

Order No.: DD+DIS018.01E



1 piece UJTJ3 MA 1

February 01

CURIX 60

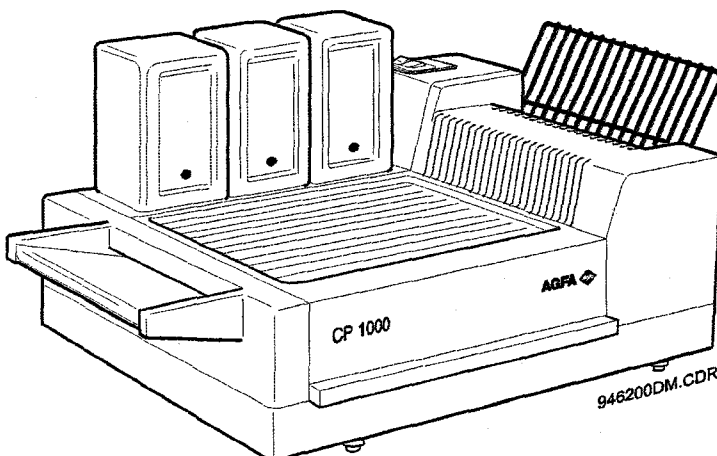
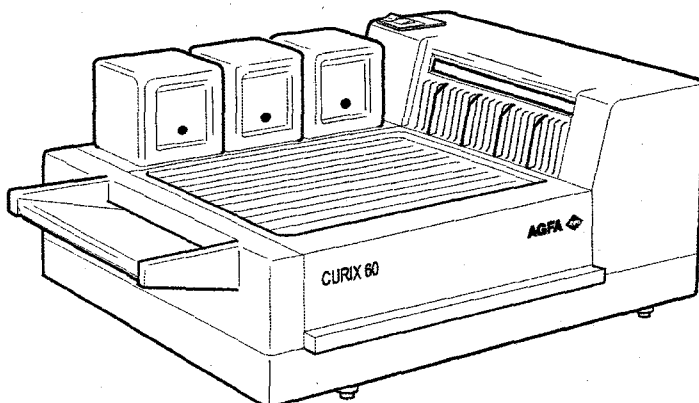
Type 9462/106/105/155/165

CP 1000

Type 9462/206/846/205/285/845

INSTALLATION PLANNING and Specifications

2nd Edition



The Installation Planning Instructions can also be ordered separately.

Order number: DD+DIS018.01E

printed in Germany

AGFA GEVAERT AG

MED-CSO / Information and Projects

Tegernseer Landstr. 161

D-81539 München

To order spare parts:

Tel.: +49 89 6207 - 3760

Fax. +49 89 6207 - 7388

To order documentation:

Tel.: +49 89 6207 - 3553

Fax.: +49 89 6207 - 7455

CURIX 60 / CP 1000**Type****9462/106/206/846/105/155/165/205/285/845**

Please file this order list in your Service Documentation in front of Section 1.

The complete Service Documentation may be ordered by specifying the respective order number or the machine name via:

Telephone: xx49 - (0)89 - 6207 - 3553

Fax.: xx49 - (0)89 - 6207 - 7271

Edition	Revision	Order Number	Contents
2	0	DD+DIS015.01E	Complete Service Documentation in a folder, replaces documentation DD+DIS013.97E.  This documentation includes all the previously published documentation

List of all Supplements:

Upon requirement all supplements can be ordered again individually by the respective order numbers. When you order a supplement, the enclosed order list may already be outdated by another supplement. In this case keep the one with the higher revision number in your Service Documentation.

Edition	Revision	Order Number	Contents
--	--	--	--

The following sections of the documentation may be ordered separately:

Edition	Revision	Order Number	Contents
2	0	DD+DIS016.01E	Section 1, 2, 3 and 14 Installation and Start-up, Edition 2, replaces documentation DD+DIS059.97E.
2	0	DD+DIS017.01E	Section 12 Maintenance Instructions, Edition 2, replaces documentation DD+DIS015.97E.
2	0	DD+DIS018.01E	Section 14 Installation Planning and Specifications, Edition 2, replaces documentation DD+DIS014.97E.
2	0	DD+DIS327.00M	Section 8 Spare Parts List, Edition 2, replaces documentation DD+DIS016.97E.
2	0	DD+DIS031.01E	Section 9 Accessories, Edition 2, replaces documentation DD+DIS187.99E.

Section 1

List of Contents

1	Safety	1
2	Installation preparations.....	3
2.1	Machine transport and arrival at the customer	3
2.2	Checking the shipment	3
2.3	Transport check.....	3
2.4	Unpacking instructions	4
2.4.1	Contents of the box.....	4
2.4.2	Transport safeguards.....	5
2.5	Type label with approval sign / assembly label.....	8
2.6	Checking the SN (F-Nr.) and the accessory box.....	8
3	Access for repair and maintenance.....	9
3.1	Minimum dimensions / optimum dimensions	9
3.2	Transport path	10
4	Specifications.....	11
4.1	Electrical data	11
4.2	Climatic data	12
4.3	Dimensions and weights.....	12
4.4	Safety.....	13
4.4.1	For the types 106/206/846	13
4.4.2	For the types 105/155/165/205/285/845	13
4.5	Interference suppression	13
4.5.1	For the types 106/206/846	13
4.5.2	For the types 105/155/165/205/285/845	13
4.6	Electromagnetic compatibility (106/206/846 only).....	14
4.7	Certificates and guidelines	14
4.7.1	For the types 106/206/846	14
4.7.2	For the types 105/155/165/205/285/845	14

Safety**Safety precautions for processors****General safety instructions**

The processor was designed for processing medical X-ray films (except for mammographic films and rollfilms), and should only be used for this purpose.

The processor may only be operated by staff, skilled on the machine.

Make sure that only authorized personnel has access to the processor.

Only trained and authorized service personnel can make repairs or changes to the processor.

If there is visible damage to the machine casing, the processor should not be started or used.

Do not override or disconnect the integrated safety features.

Disconnect the processor from the mains before performing any maintenance activities.

Like all technical devices, the processor must be operated, cared for and serviced correctly, as described in the documentation provided with the machine.

If the processor is not operated correctly or if you do not have it serviced correctly, Agfa is not liable for resulting disturbances, damages or injuries.

When installing the processor, care must be taken to ensure that there is either a mains plug or an all-cable disconnecting device in the internal installation fitted near the processor and that it is easily accessible.

If connections with other components or assemblies are made, Agfa can guarantee safety only for combinations which are approved by Agfa.

If you notice conspicuous smoke or noise, disconnect the processor immediately.

An earth leakage breaker must be built into the electrical circuit ($I_N = 30 \text{ mA}$).

Special instructions for the handling of chemicals

When handling chemicals, you must observe safety and environmental regulations as well as the operating and warning instructions accompanying the chemicals.

Wear stipulated protective clothing and safety goggles.

When disposing of chemicals and waste water, you must comply with the local regulations concerning waste water and environmental protection.

If chemicals get into your eyes, immediately rinse your eyes with cold water and consult a physician.

Do not inhale vapor from chemicals. Make sure that there is sufficient ventilation where the processor is installed, i.e. air exchange that is at least ten times the space volume per hour.

Always comply with the installation instructions.

Regularly check all connections to the processor for tightness.

If liquid gets into the inside of the processor (due to spills), disconnect the processor from the mains immediately and have the device cleaned thoroughly by service personnel.

Safety regulations

For the types 9462 / 106/206/846: This processor corresponds to the safety regulations EN 60950 1997 (IEC 950) and EN 60601-1-2 1993, UL 1950, CSA C22.2 Nr. 950.

The nonreturn water connection system corresponds to DIN 1988.

For the types 9462 / 105/155/165/205/285/845: This processor corresponds to the safety regulations EN 60950: 1992 + A1 A2: 1993, IEC 950 / VDE 805, UL 122, EN 55022 Class B, FCC part 15, Class A.

The nonreturn water connection system corresponds to DIN 1988.

2 Installation preparations

2.1 Machine transport and arrival at the customer

The freight forwarder transports the machine up to the final installation site. Check if the intended installation site has been prepared according to section 14 "Installation planning".

2.2 Checking the shipment

Compare the labels on the boxes with the customer's order list and the bill of lading.

2.3 Transport check

The machine is shipped on a pallet. The box carries a packing seal. The packing seal is attached at the outside and indicates if the box has been opened.

Check the packing material for visible transport damage:

dented edges

damaged box

torn fixing elements (metal straps, screws)



Note possible damage in the installation report!

In case of a damaged machine make sure to keep the packing material for proof (transport insurance)!

Damage claims must be sent to the insurance company.

2 Installation preparations

2.1 Machine transport and arrival at the customer

The freight forwarder transports the machine up to the final installation site. Check if the intended installation site has been prepared according to section 14 "Installation planning".

2.2 Checking the shipment

Compare the labels on the boxes with the customer's order list and the bill of lading.

2.3 Transport check

The machine is shipped on a pallet. The box carries a packing seal. The packing seal is attached at the outside and indicates if the box has been opened.

Check the packing material for visible transport damage:

dented edges

damaged box

torn fixing elements (metal straps, screws)



Note possible damage in the installation report!

In case of a damaged machine make sure to keep the packing material for proof (transport insurance)!

Damage claims must be sent to the insurance company.

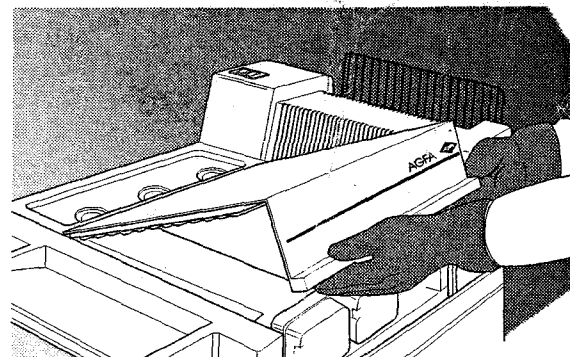
1.2 Access to the control boards in CP 1000



Always wear protective gloves, apron and goggles when handling chemicals!

Remove the machine cover

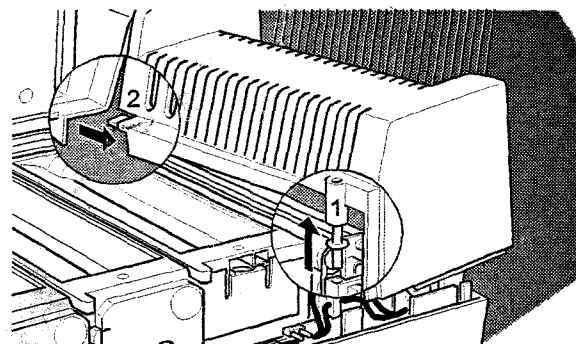
i In doing so, the interlock switch on the right of the machine cover triggers and switches off the power supply to the machine.



946203ym.cdr

Figure 6.6 - 7

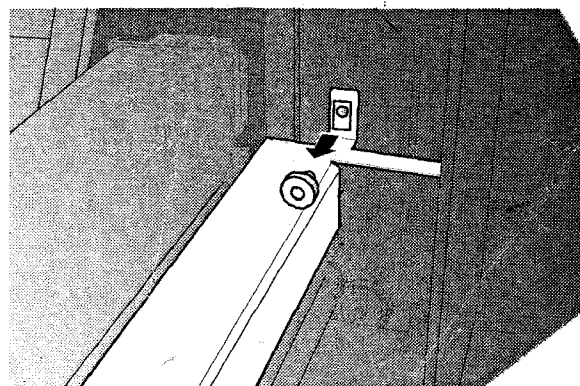
Carefully lift the dryer housing up to pull the interlock switch ① out of its guide..
Pull the dryer housing to the right ② out of its holding groove



946212cm.cdr

Figure 6.6 - 8

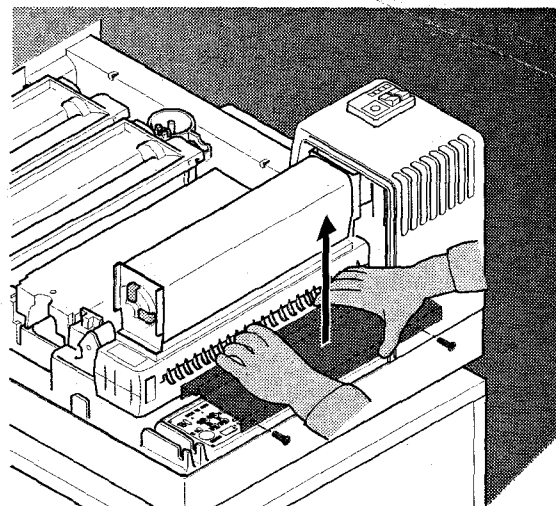
Loosen the knurled screw at the exit section and remove the exit section.



946212yym.cdr

Figure 6.6 - 9

Remove the cover after loosening two screws.



946203pa.cdr

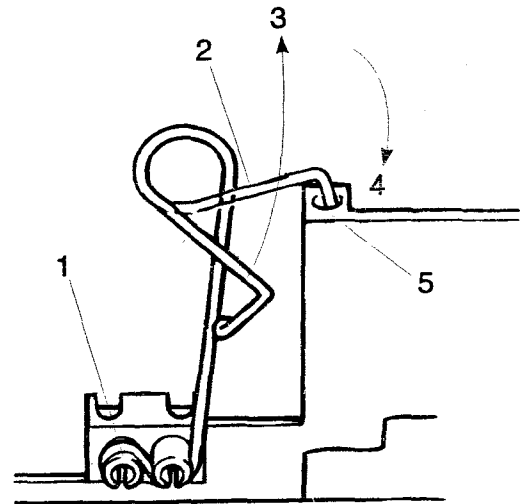
Figure 6.6 - 10

1.3 Developer: electronic adjustment

Position the service key CM+7.9820.0134.1 at cover switch ⑤.

The lower leg of the service key must engage at the cover bracket ①.

Lift the other leg in the direction of the arrow ③ and engage in interlock switch ⑤, see arrow ④.



946262AM.CDR

Figure 6.6 - 11



Caution! As soon as the service key is in position, all live parts are supplied with voltage again! The machine starts up!

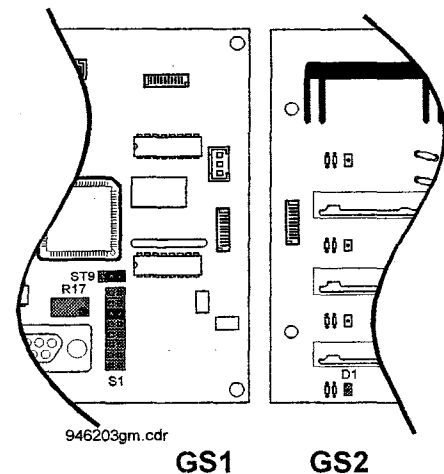
Other temperatures are adjusted using the following components:

on control board GS1

- switch S1
- switch ST9 and
- potentiometer R17

on control board GS2

- diode D1.



946203gm.cdr

GS1

GS2

Figure 6.6 - 12

In addition, you need

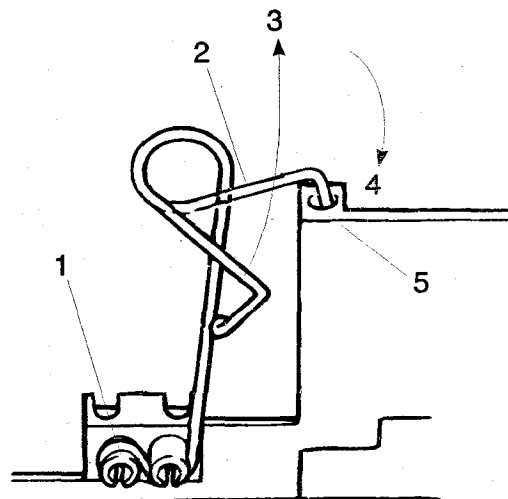
- a suitable screwdriver
- to adjust potentiometer R17.

1.3 Developer: electronic adjustment

Position the service key CM+7.9820.0134.1 at cover switch ⑤.

The lower leg of the service key must engage at the cover bracket ①.

Lift the other leg in the direction of the arrow ③ and engage in interlock switch ⑤, see arrow ④.



946262AM.CDR

Figure 6.6 - 11



Caution! As soon as the service key is in position, all live parts are supplied with voltage again! The machine starts up!

Other temperatures are adjusted using the following components:

on control board GS1

- switch S1
- switch ST9 and
- potentiometer R17

on control board GS2

- diode D1.

In addition, you need

- a suitable screwdriver
- to adjust potentiometer R17.

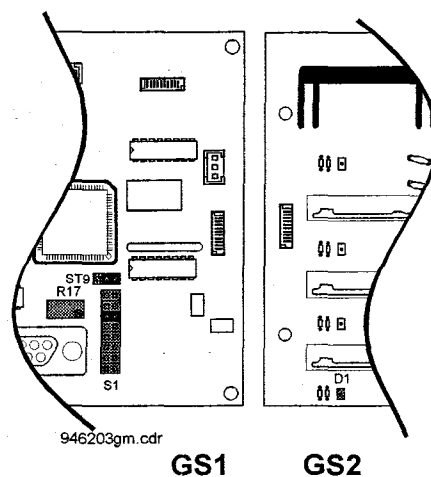


Figure 6.6 - 12

1.3.2 Adjusting a temperature (1/10 degrees)

Example: you want to adjust a temperature of 35.5°C.

Adjust the value of the full-value temperature setting as described above.

Now move the jumper in plug ST9 to the position "Var".



Figure 6.6 - 15

If LED D1 on GS2 is off:

turn potentiometer R17 clockwise until the diode lights up again...

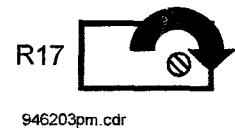


Figure 6.6 - 16

...and then turn it counter-clockwise until the diode switches off. The working point of potentiometer R17 has now been adjusted.

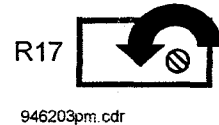


Figure 6.6 - 17

If the LED is on:

turn potentiometer R17 counter-clockwise until the diode switches off...

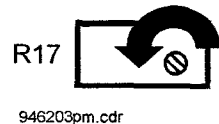


Figure 6.6 - 18

...and then turn it clockwise until the diode lights up again. The working point of potentiometer R17 has now been adjusted.



Figure 6.6 - 19

Now adjust the fraction of the value "35.5" For every full clockwise rotation, potentiometer R17 increases the temperature by one degree.

Therefore, turn potentiometer R17 in this case by half a rotation (through 180 °).

The value of "35.5" has now been adjusted.

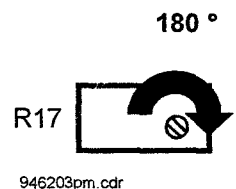


Figure 6.6 - 20

1.3.2 Adjusting a temperature (1/10 degrees)

Example: you want to adjust a temperature of 35.5°C.

Adjust the value of the full-value temperature setting as described above.

Now move the jumper in plug ST9 to the position "Var".

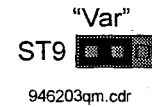


Figure 6.6 - 15

If LED D1 on GS2 is off:

turn potentiometer R17 clockwise until the diode lights up again...

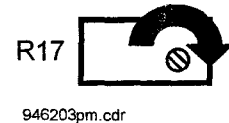


Figure 6.6 - 16

...and then turn it counter-clockwise until the diode switches off. The working point of potentiometer R17 has now been adjusted.

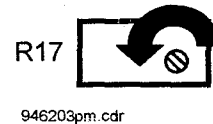


Figure 6.6 - 17

If the LED is on:

turn potentiometer R17 counter-clockwise until the diode switches off...



Figure 6.6 - 18

...and then turn it clockwise until the diode lights up again. The working point of potentiometer R17 has now been adjusted.



Figure 6.6 - 19

Now adjust the fraction of the value "35.5" For every full clockwise rotation, potentiometer R17 increases the temperature by one degree.

Therefore, turn potentiometer R17 in this case by half a rotation (through 180 °).

The value of "35.5" has now been adjusted.

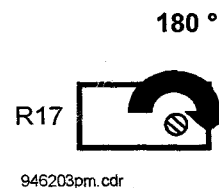


Figure 6.6 - 20

Insert a thermometer ② in the valve opening of the fixer tank and secure it with adhesive tape ①.



The thermometer (accuracy at least 0.5 K) should not be immersed in the liquid by more than 10 mm so that the circulation flow is not affected.

Wait for 7 minutes until there are no more temperature changes.

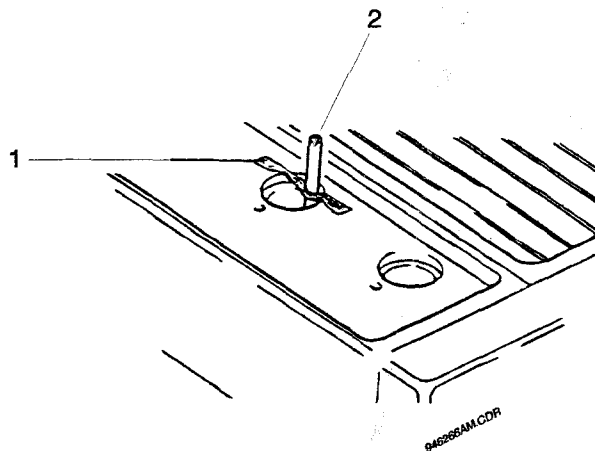


Figure 6.6 - 23

Remove adhesive foil ① at the fixer heater. Use a screwdriver to turn the cap ② through 90° and pull it together with the sealing ring ③ out of the heater case ④ in the respective heater for developer or fixer.

Turn the shaft ⑤ slightly with flat nose pliers or tweezers

clockwise = increases the temperature
counter-clockwise = decreases the temperature.

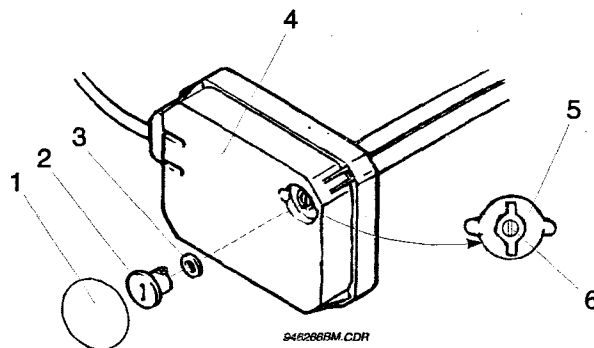


Figure 6.6 - 24



The shaft ⑤ has an integrated adjusting screw ⑥. This screw must not be turned, since this would change the control characteristics. If this screw is turned, it is no longer possible to make any adjustments on the spot.

Check the temperature reading on the thermometer and repeat the procedure if necessary.

Mount sealing ring ③ and cap ② again and cover the opening with the adhesive foil.

Close the machine!

Insert a thermometer ② in the valve opening of the fixer tank and secure it with adhesive tape ①.



The thermometer (accuracy at least 0.5 K) should not be immersed in the liquid by more than 10 mm so that the circulation flow is not affected.

Wait for 7 minutes until there are no more temperature changes.

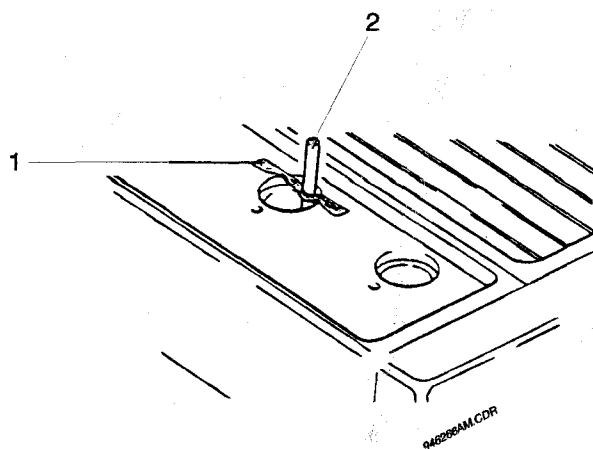


Figure 6.6 - 23

Remove adhesive foil ① at the fixer heater. Use a screwdriver to turn the cap ② through 90° and pull it together with the sealing ring ③ out of the heater case ④ in the respective heater for developer or fixer.

Turn the shaft ⑤ slightly with flat nose pliers or tweezers

clockwise = increases the temperature
counter-clockwise = decreases the temperature.

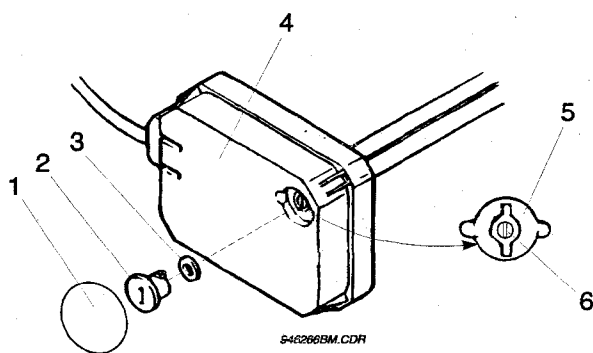


Figure 6.6 - 24



The shaft ⑤ has an integrated adjusting screw ⑥. This screw must not be turned, since this would change the control characteristics. If this screw is turned, it is no longer possible to make any adjustments on the spot.

Check the temperature reading on the thermometer and repeat the procedure if necessary.

Mount sealing ring ③ and cap ② again and cover the opening with the adhesive foil.

Close the machine!

Compare the noted value for developer, fixer and wash water with the table below. Choose the column which corresponds to the format of film mainly being used.

Level change in the replenisher bottle

	Standard sizes 24 x 30 cm	Sizes > 24 x 30 cm	Sizes < 24 x 30 cm	Small sizes < 10 x 10 cm
Developer	8.5 mm $\pm$ 1 0.33 inches $\pm$ 0.04	10 mm $\pm$ 1.5 0.39 inches $\pm$ 0.06	6.5 mm $\pm$ 1 0.15 inches $\pm$ 0.04	3.5 mm $\pm$ 0.5 0.14 inches $\pm$ 0.02
Fixer	10.5 mm $\pm$ 1.5 0.41 inches $\pm$ 0.06	13 mm $\pm$ 2 0.51 inches $\pm$ 0.08	8,5 mm $\pm$ 1 0.33 inches $\pm$ 0.04	4.5 mm $\pm$ 0.5 0.18 inches $\pm$ 0.02
Water	13 mm $\pm$ 2 0.21 inches $\pm$ 0.08	15 mm $\pm$ 2.5 0.59 inches $\pm$ 0.1	9.5 mm $\pm$ 1.5 0.37 inches $\pm$ 0.06	5.5 mm $\pm$ 1 0.22 inches $\pm$ 0.04

If the noted values do not correspond to the values in the table, the replenishment pump has to be adjusted.

Compare the noted value for developer, fixer and wash water with the table below. Choose the column which corresponds to the format of film mainly being used.

Level change in the replenisher bottle

	Standard sizes 24 x 30 cm	Sizes > 24 x 30 cm	Sizes < 24 x 30 cm	Small sizes < 10 x 10 cm
Developer	8.5 mm $\pm$ 1 0.33 inches $\pm$ 0.04	10 mm $\pm$ 1.5 0.39 inches $\pm$ 0.06	6.5 mm $\pm$ 1 0.15 inches $\pm$ 0.04	3.5 mm $\pm$ 0.5 0.14 inches $\pm$ 0.02
Fixer	10.5 mm $\pm$ 1.5 0.41 inches $\pm$ 0.06	13 mm $\pm$ 2 0.51 inches $\pm$ 0.08	8.5 mm $\pm$ 1 0.33 inches $\pm$ 0.04	4.5 mm $\pm$ 0.5 0.18 inches $\pm$ 0.02
Water	13 mm $\pm$ 2 0.21 inches $\pm$ 0.08	15 mm $\pm$ 2.5 0.59 inches $\pm$ 0.1	9.5 mm $\pm$ 1.5 0.37 inches $\pm$ 0.06	5.5 mm $\pm$ 1 0.22 inches $\pm$ 0.04

If the noted values do not correspond to the values in the table, the replenishment pump has to be adjusted.

CP 1000 only:

Remove the film wire chute ⑤.

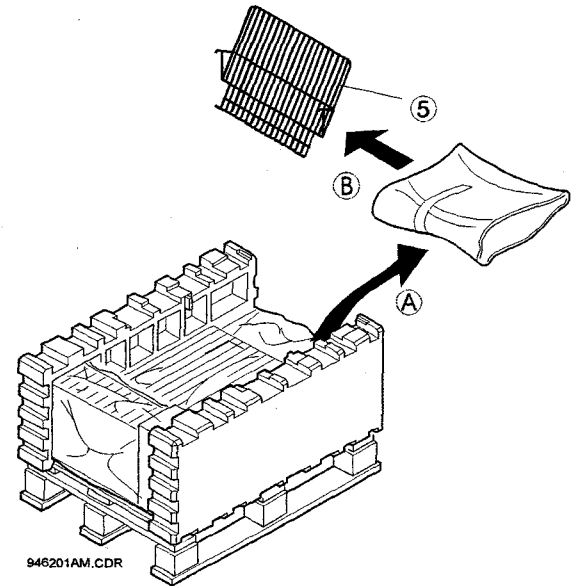


Figure 1 - 4

Remove the fitted foam cushions ⑥ and the cover sheet ⑦.

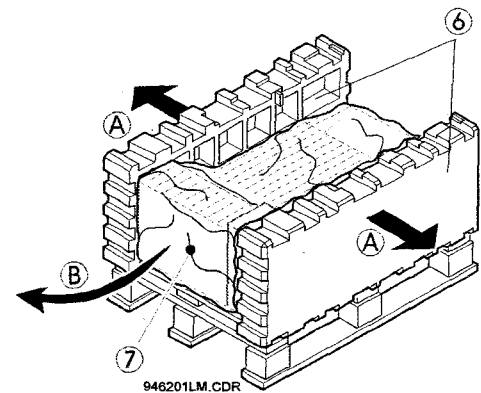


Figure 1 - 5

2.4.2 Transport safeguards

To remove the transport safeguards, first remove the machine cover ⑧ and dryer housing ⑩. Fold the fleece ⑨ back.

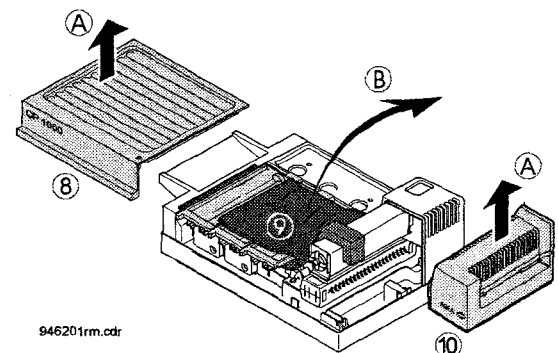


Figure 1 - 6

Pull the film ⑭ from the space between the dryer and the exit section ⑮.

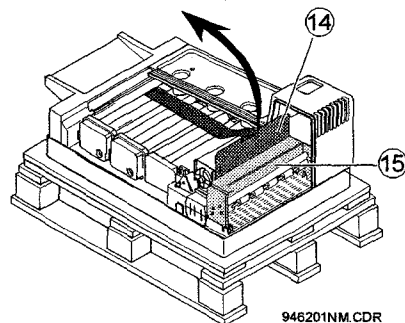


Figure 1 - 11



The exit section must not be dismounted for film removal. In the drawing it is shown dismounted for better view of the film position!

Mount the roller brackets again, mount the dryer housing and machine cover. Lift the machine off the pallet and onto the provided table and check it for damage visible from the outside.

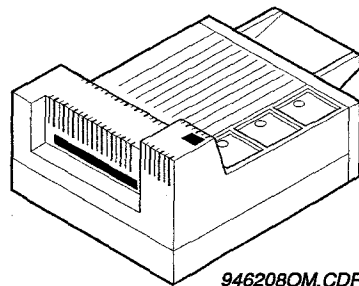


Figure 1 - 12

CP 1000 only:

Remove the film wire chute ⑤.

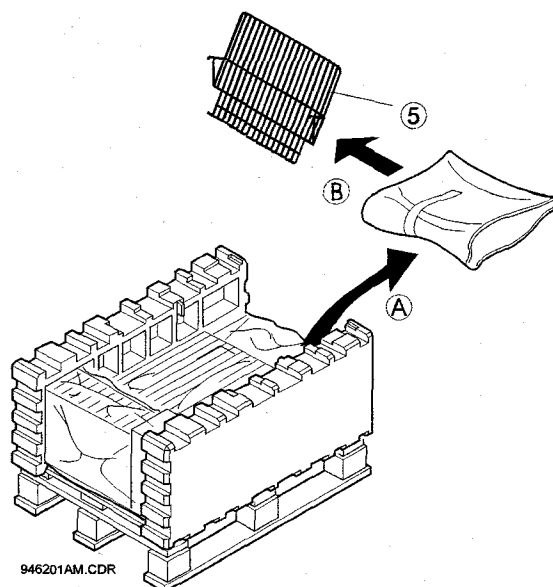


Figure 1 - 4

Remove the fitted foam cushions ⑥ and the cover sheet ⑦.

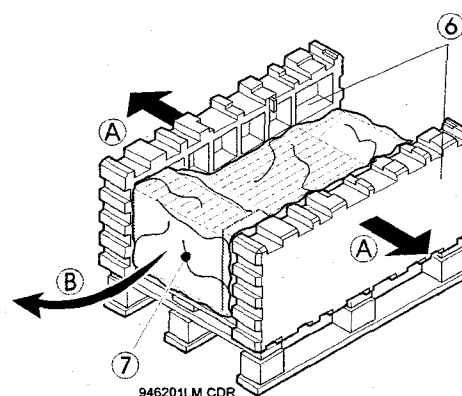


Figure 1 - 5

2.4.2 Transport safeguards

To remove the transport safeguards, first remove the machine cover ⑧ and dryer housing ⑩. Fold the fleece ⑨ back.

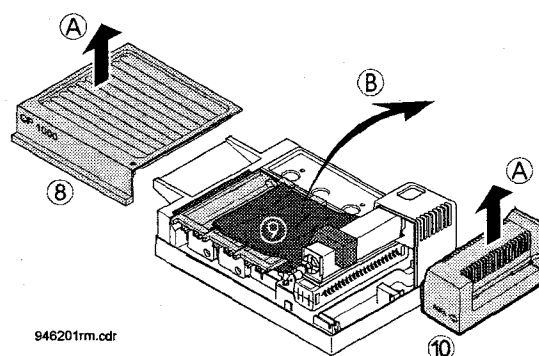


Figure 1 - 6

3 Access for repair and maintenance

3.1 Minimum dimensions / optimum dimensions

The free space as shown in the illustration must be reserved for repair and maintenance.

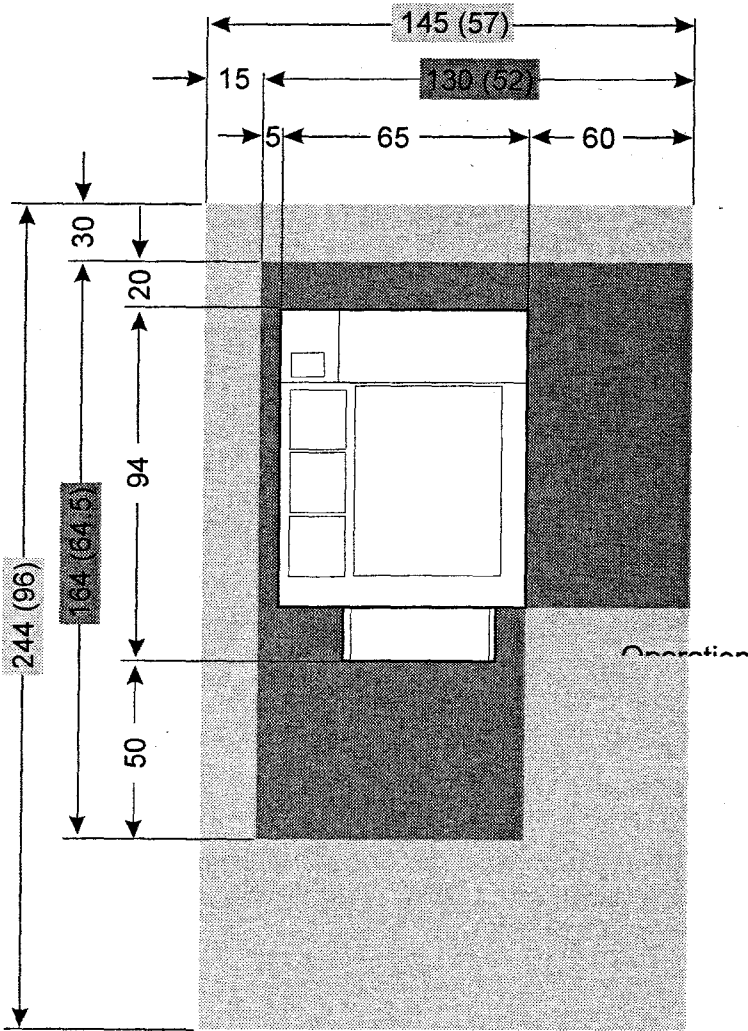


Optimum space:
We recommend to plan on the free space.



Minimum space:
This space should be considered an absolute minimum.

CURIX 60 - type 9462 / 106/105/155/165



946214im.cdr

Figure 1 - 15
Dimensions in cm (inches)

Pull the film ⑭ from the space between the dryer and the exit section ⑮.

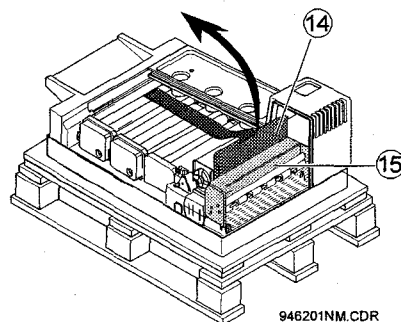


Figure 1 - 11



The exit section must not be dismantled for film removal. In the drawing it is shown dismantled for better view of the film position!

Mount the roller brackets again, mount the dryer housing and machine cover. Lift the machine off the pallet and onto the provided table and check it for damage visible from the outside.

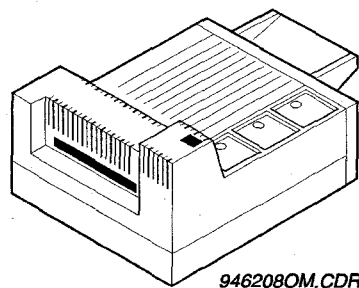


Figure 1 - 12

4 Specifications

4.1 Electrical data

	106	206	846
Mains connection			
Phase	1 N~	1 N~	1 N~
Voltage (in V)	200/208/ 230-240	200/208/ 230-240	100/120
Frequency (in Hz)	50/60	50/60	60
Current consumption:			
Standby room temp. ~ 20°C (in W)	180	180	180
During film processing (in W)	500	500	500
Fuse protection (in A)	16	16	15
Leakage current towards PE (in mA)	< 3.5	< 3.5	< 3.5
Safety conditions	Electrical installations in the installation room must be in compliance with IEC 364 (VDE 0100 / 0107).		

	105	155	165	205	285	845
Mains connection						
Phase	1 N~	1 N~	1 N~	1 N~	1 N~	1 N~
Voltage (in V)	230-240	200-240	100-120	230-240	230-240	120
Frequency (in Hz)	50	50	60	50	60	60
Current consumption:						
Standby room temp. ~ 20°C (in W)	180	180	180	180	180	180
During film processing (in W)	500	500	500	500	500	500
Fuse protection (in A)	15	16	15	16	16	15
Leakage current towards PE (in mA)	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
Safety conditions	Electrical installations in the installation room must be in compliance with IEC 364 (VDE 0100 / 0107).					

3 Access for repair and maintenance

3.1 Minimum dimensions / optimum dimensions

The free space as shown in the illustration must be reserved for repair and maintenance.



Optimum space:

We recommend to plan on the free space.



Minimum space:

This space should be considered an absolute minimum.

CURIX 60 - type 9462 / 106/105/155/165

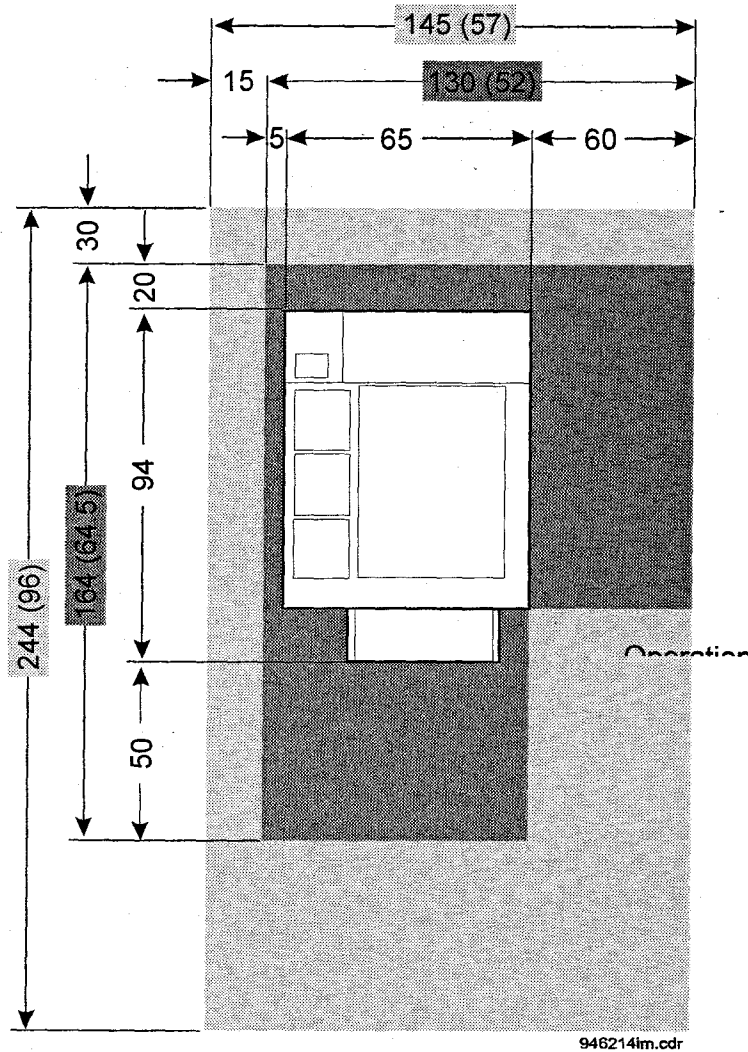


Figure 1 - 15

Dimensions in cm (inches)

4.4 Safety

4.4.1 For the types 106/206/846

According to IEC 601-1 / VDE 0750 Part 1, this film processor is not considered a "Medical Electrical Device".

Europe

EN 60950 / A11 "Safety of Information Technology Equipment".
(identical with IEC 950 and with VDE 0805)

USA

UL 1950 "Safety for Information Technology Equipment, including Electrical Business Equipment" and complementary UL 122 "Photographic Equipment".

Canada

CSA 22.2 No. 950 - 95 "Safety of Information Technology Equipment, including Electrical Business Equipment".

4.4.2 For the types 105/155/165/205/285/845

According to IEC 601-1 / VDE 0750 Part 1, this film processor is not considered a "Medical Electrical Device".

This processor corresponds to the safety regulations

- EN 60 950 1992 + A + A2: 1993
- IEC 950 / VDE 805
- UL 122

4.5 Interference suppression

4.5.1 For the types 106/206/846

Europe

According to EN 50081-1: "Basic Standard Interference",
(identical with VDE 0839, Part 81-1)

EN 55022 1994, Class B "Interference Suppression of Information Technology Equipment (ITE)" (corresponds to VDE 0878, Part 22).

For equipment in residential areas, business and commercial areas, and in doctors' offices.

North-America (USA, Canada)

US-Standard FCC 47 Part 15, Subchapter B, Class A / Edition 8.

Non-household equipment.

4.5.2 For the types 105/155/165/205/285/845

According EN 55022, Class B: and FCC Part 15, Class A.

4 Specifications

4.1 Electrical data

	106	206	846
Mains connection			
Phase	1 N~	1 N~	1 N~
Voltage (in V)	200/208/ 230-240	200/208/ 230-240	100/120
Frequency (in Hz)	50/60	50/60	60
Current consumption:			
Standby room temp. ~ 20°C (in W)	180	180	180
During film processing (in W)	500	500	500
Fuse protection (in A)	16	16	15
Leakage current towards PE (in mA)	< 3.5	< 3.5	< 3.5
Safety conditions	Electrical installations in the installation room must be in compliance with IEC 364 (VDE 0100 / 0107).		

	105	155	165	205	285	845
Mains connection						
Phase	1 N~	1 N~	1 N~	1 N~	1 N~	1 N~
Voltage (in V)	230-240	200-240	100-120	230-240	230-240	120
Frequency (in Hz)	50	50	60	50	60	60
Current consumption:						
Standby room temp. ~ 20°C (in W)	180	180	180	180	180	180
During film processing (in W)	500	500	500	500	500	500
Fuse protection (in A)	15	16	15	16	16	15
Leakage current towards PE (in mA)	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
Safety conditions	Electrical installations in the installation room must be in compliance with IEC 364 (VDE 0100 / 0107).					

Remove the roller bracket.

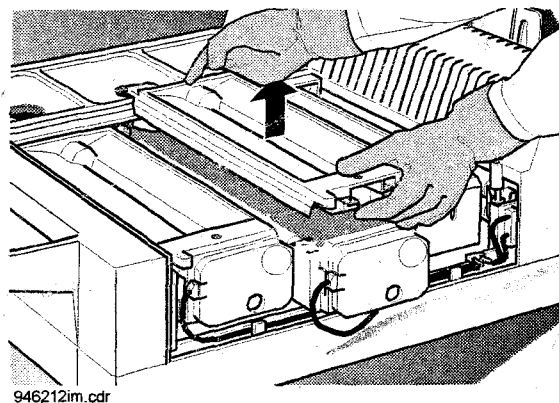


Figure 6.6 - 31

Loosen the lock nut of the pump by turning counterclockwise.

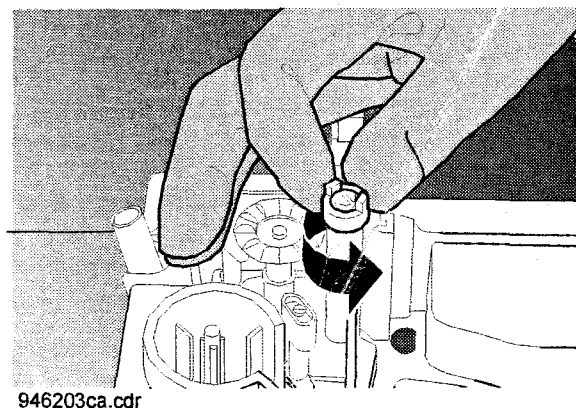


Figure 6.6 - 32

Adjust the adjusting screw with a screwdriver.

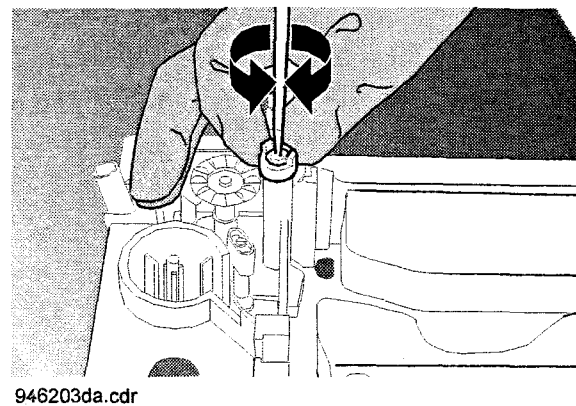


Figure 6.6 - 33

4.4 Safety

4.4.1 For the types 106/206/846

According to IEC 601-1 / VDE 0750 Part 1, this film processor is not considered a "Medical Electrical Device".

Europe

EN 60950 / A11 "Safety of Information Technology Equipment".
(identical with IEC 950 and with VDE 0805)

USA

UL 1950 "Safety for Information Technology Equipment, including Electrical Business Equipment" and complementary UL 122 "Photographic Equipment".

Canada

CSA 22.2 No. 950 - 95 "Safety of Information Technology Equipment, including Electrical Business Equipment".

4.4.2 For the types 105/155/165/205/285/845

According to IEC 601-1 / VDE 0750 Part 1, this film processor is not considered a "Medical Electrical Device".

This processor corresponds to the safety regulations

- EN 60 950 1992 + A + A2: 1993
- IEC 950 / VDE 805
- UL 122

4.5 Interference suppression

4.5.1 For the types 106/206/846

Europe

According to EN 50081-1: "Basic Standard Interference",
(identical with VDE 0839, Part 81-1)

EN 55022 1994, Class B "Interference Suppression of Information Technology Equipment (ITE)" (corresponds to VDE 0878, Part 22).

For equipment in residential areas, business and commercial areas, and in doctors' offices.

North-America (USA, Canada)

US-Standard FCC 47 Part 15, Subchapter B, Class A / Edition 8.

Non-household equipment.

4.5.2 For the types 105/155/165/205/285/845

According EN 55022, Class B: and FCC Part 15, Class A.

Remove the roller bracket.

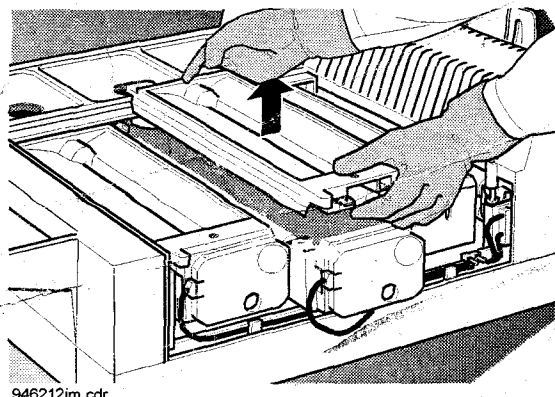


Figure 6.6 - 31

Loosen the lock nut of the pump by turning counterclockwise.

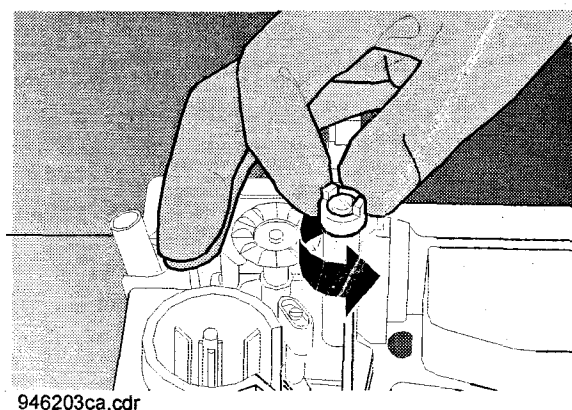


Figure 6.6 - 32

Adjust the adjusting screw with a screwdriver.

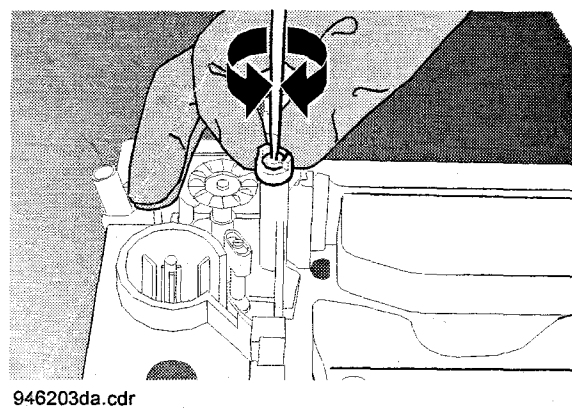


Figure 6.6 - 33

Turn clockwise to decrease the supply rate, turn counter-clockwise to increase the supply rate.

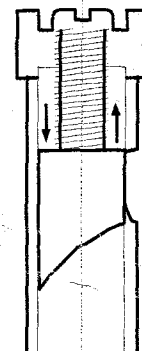
Then tighten the lock nut again turning it clockwise; the adjusting screw must be held in position with a screwdriver.

Insert the guide plate and the roller bracket again, and push the tank back into the machine. Make sure that the tanks are correctly positioned and tightly connected.

Mount the replenisher bottles again.

Then check the adjusted supply rate. To do so, start another replenishment cycle and check if the supplied rate now corresponds to the respective value in the table.

If necessary, repeat the pump adjustment procedure until the supply rates are correct.



946203ea.cdr

Figure 6.6 - 34

2 Adjusting the developer / fixer temperatures (Type 105/155/165/205/285/845)

Also see description in section 3.

Do not attempt to use a temperature other than that set ex-works ($34^{\circ}\text{C} \pm 0.5\text{ K}$).

Adjustment is required if the temperature varies from the setpoint by $> 1\text{ K}$.

Adjustment

Remove the housing cover

Insert a thermometer (2) into the valve aperture for the developer or fixer bath and secure with a piece of adhesive tape (1).

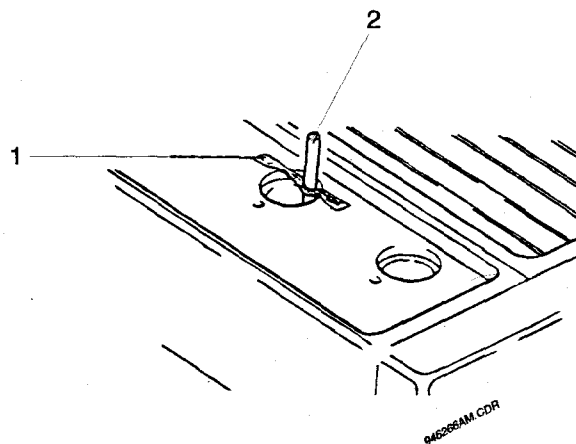


Figure 6.6 - 35



The thermometer (minimum accuracy 0.5 K) should not be immersed by more than 5 to 10 mm in the solution, because otherwise the disruptive effect on circulation would produce an incorrect measurement. Measure the temperature for at least 7 minutes (2 control cycles).

Section 2

describes the controls and the connectors of the machine:

- Position and function of the controls
- Layout of the connectors and their modalities

Section 2

List of Contents

1 Controls and Connections1

1.1 Control panel and mains plug.....1

1.2 Machine switches2

1 Controls and Connections

1.1 Control panel and mains plug

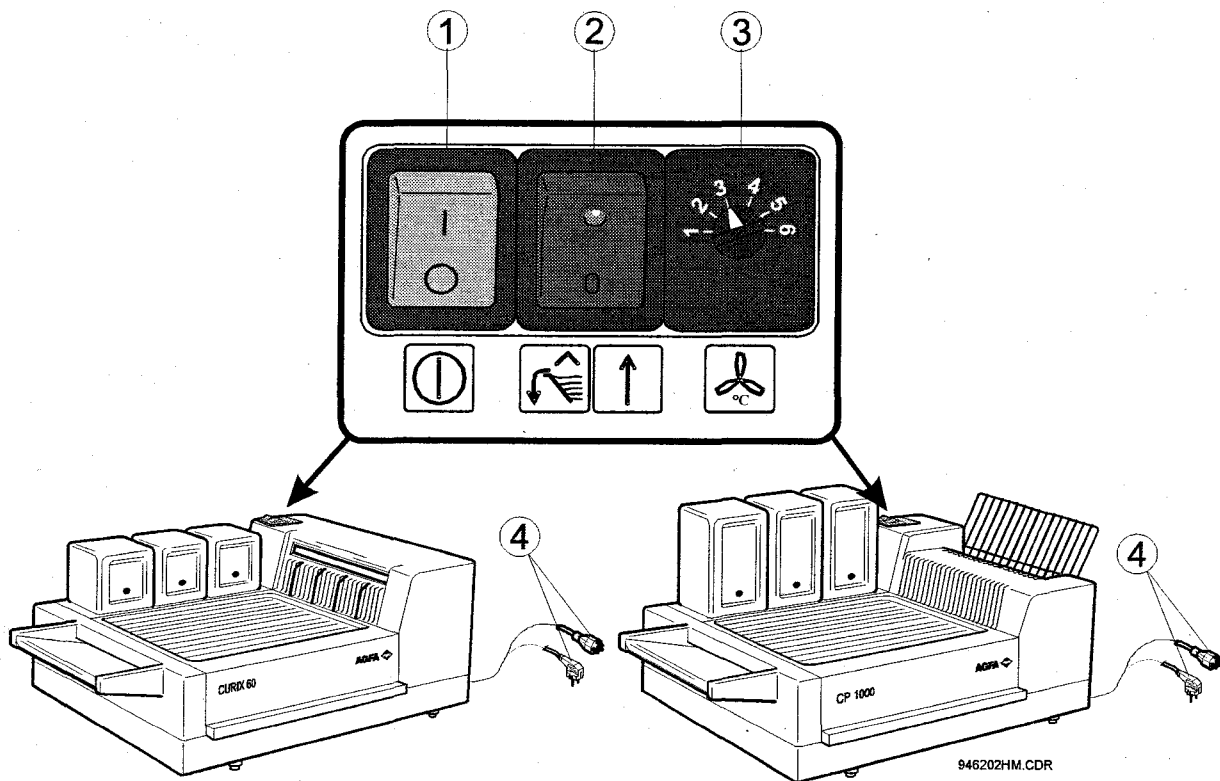
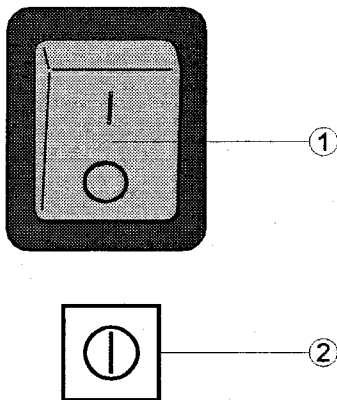


Figure 2 - 1

- ① Main switch (ON/OFF)
- ② Replenishment button (replenishment cycle with film stop lamp LA)
- ③ Heater selector switch for the dryer setting (heater step)
- ④ Mains plug

1.2 Machine switches

Main switch



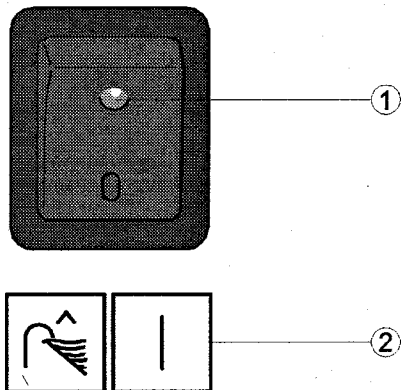
946202IM.CDR

Figure 2 - 2

- ① Lamp in the main switch
- ② Pictogram

Lamp ① in the main switch lights as long as the machine is switched on.

Replenishment button



946202JM.CDR

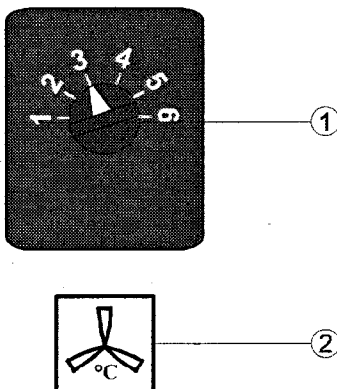
Figure 2 - 3

- ① Film stop lamp LA
- ② Pictogram

When the replenishment button is pressed the replenisher pump runs for 180 s at double speed. The pump amount of liquid is refilled via the replenishment bottles.

The film stop lamp ① lights as long as film is being processed. During this time it is not possible to feed another film. The lamp switches off 15 s after the film left the scanning rollers (delay time).

Selector switch for dryer setting



946202KM.CDR

Figure 2 - 4

- ① Selector switch
- ② Pictogram

Via selector switch ① 6 dryer levels (steps) can be adjusted by means of a screwdriver.

Section 3

describes the exact routines necessary to start the machine operation. Before putting the machine in operation you should be familiar with the information of section 2 (controls and connectors).

Section 3

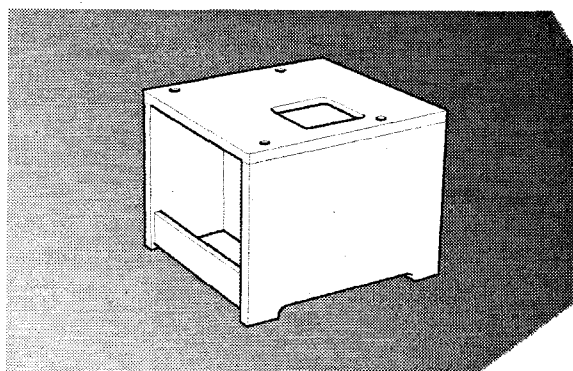
List of Contents

1	Installation	1
1.1	Adaptation of the machine to the mains voltage (Type 106/206/846).....	2
1.2	Connecting the mains cable	3
1.3	Positioning of the drain hoses.....	4
1.4	Alignment.....	6
1.5	Adjustment of the solution temperatures (Type 106/206/846).....	9
1.5.1	Access to the Control Board in the CURIX 60.....	9
1.5.2	Access to the Control Board in the CP 1000.....	11
1.5.3	Developer: electronic adjustment.....	13
1.5.4	Fixer: electro-mechanic adjustment	16
1.6	Switches on the controller board GS1 (Type105/155/165/205/285/845)	18
1.6.1	CURIX 60 (Type105/155/165)	18
1.6.2	CP 1000 (Type205/285/845).....	19
1.7	Adjustment of the solution temperatures (developer and fixer type 105/155/165/205/285/845).....	20
1.7.1	Electromechanical adjustment (developer and fixer).....	20
1.7.2	Electronic adjustment of the developer temperature	20
1.8	Adjustment of the replenishment rate.....	22
1.8.1	Checking the replenishment rates.....	22
1.8.2	Adjusting the pumps	24
2	Machine operation and hand-over to the customer	26

1 Installation

Accessories

The machine must be placed on a table with minimum dimensions of 660 x 660 mm. If possible use the table type no. 9462/600 provided by Agfa. This table meets all the requirements for smooth installation of the machine.

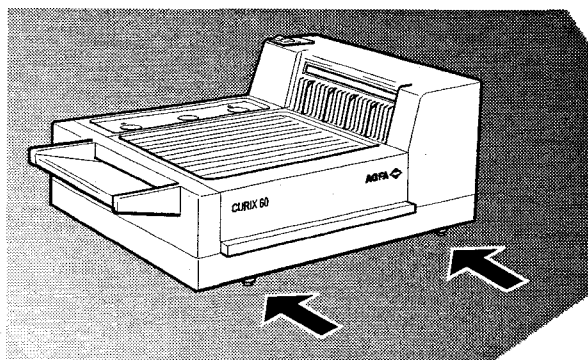


946212yvm.cdr

Figure 3 - 1

With the assistance of another person lift the machine onto the provided table.

Do not push or turn the machine. Make sure that the machine is lifted for precise positioning.



946203hm.cdr

Figure 3 - 2

1.1 Adaptation of the machine to the mains voltage (Type 106/206/846)



The machine will be shipped with the voltage correctly adjusted for the installation site.

However, check if the setting is corresponding to the actual mains supply at the installation site.

Provide access to the control boards as described in Section 6.6.

Check if the fuse on the Distributor Board GS3 is correctly inserted, and check also if the connections are plugged onto the correct lugs of terminal strip XS1. The following values have been preset:

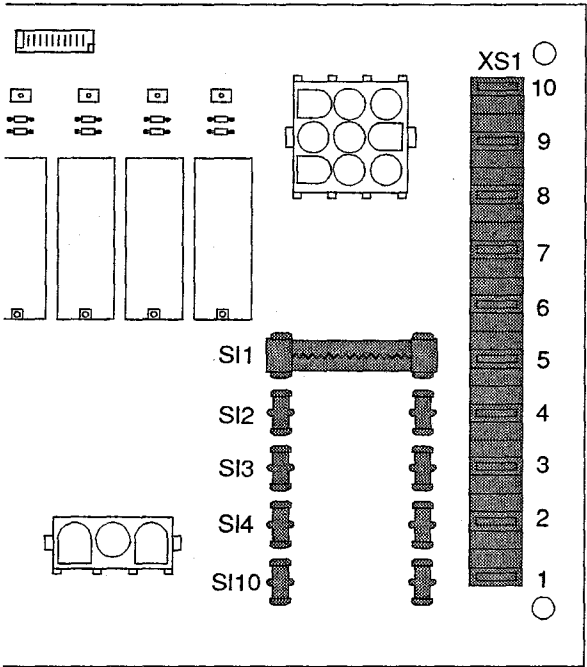


Figure 3 - 3

Type	Voltage	Inserted Fuse	Terminal at XS1
106/206	230 V	SI1	1/7
846	120 V	SI4	1/4

If you want to change the presetting of the mains voltage, you have the following alternatives:

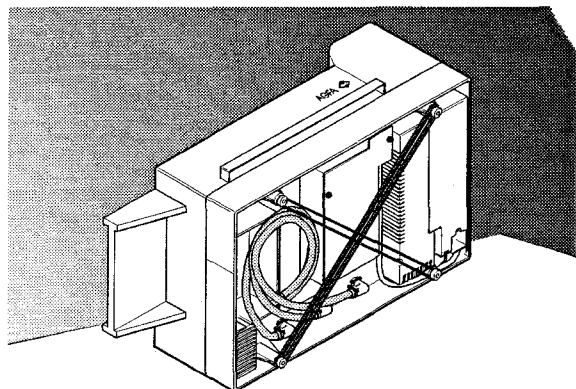
Type	Possible Voltage	Inserted Fuse	Terminal at XS1
106/206	208 V	SI2	1/6
	200 V	SI3	1/5
846	100 V	SI10	1/3

1.2 Connecting the mains cable



The cable included with the scope of delivery should only be fitted to the machine if the standard mounted mains cable does not fit.

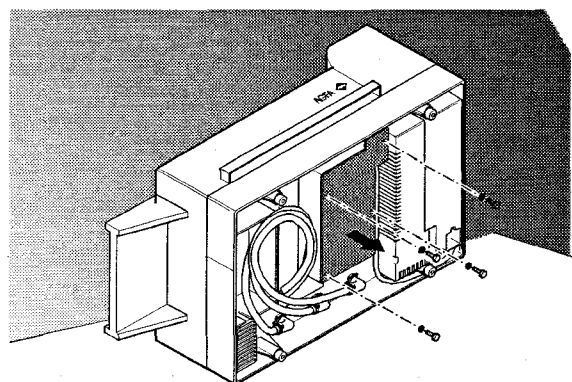
Remove the rubber bands at the bottom of the machine.



946203km.cdr

Figure 3 - 4

Open the transformer housing.



946203wm.cdr

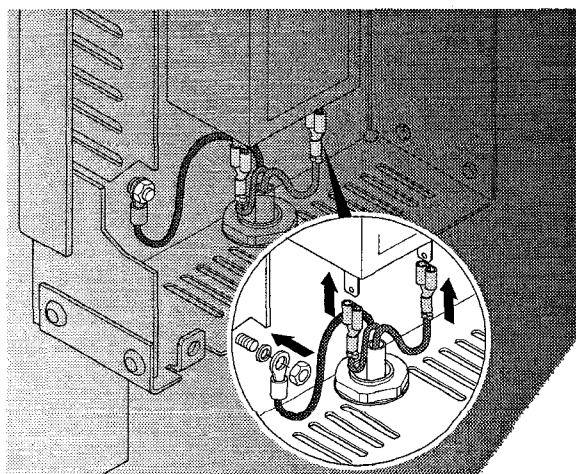
Figure 3 - 5

Undo the nut on the cable strain relief.

Disconnect the cable receptacles and unscrew the protective conductor. Pull the cable out.

Put the required cable through the opening in the transformer housing. Connect the receptacles to the connectors. Screw the eyelet of the protective conductor tight. Do not forget to fit the Siemens washer underneath the eyelet to preserve the transition resistance.

Tighten the nut on the cable strain relief.



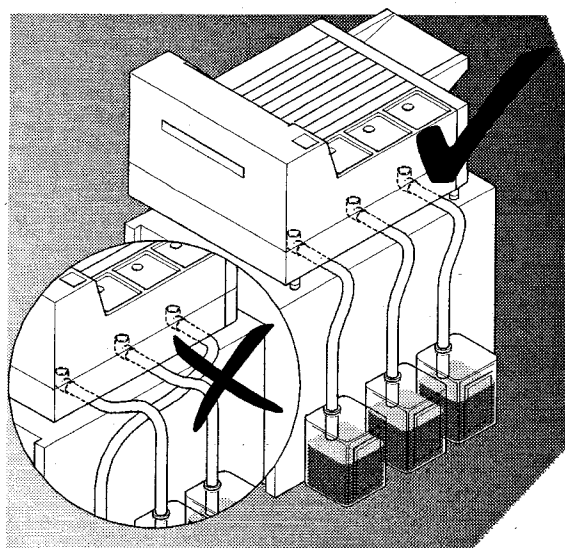
946203zm.cdr

Figure 3 - 6

Position the hoses between machine and table always side by side, do not cross them and do not put them on top of each other. Avoid squeezing of the hoses.

Collect the exhausted chemicals in separate containers.

Position the hoses always with a continuous inclination and without sharp bends.



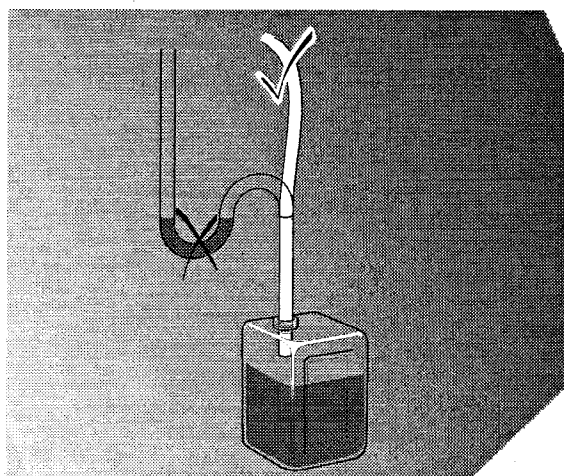
946203mm.cdr

Figure 3 - 9

To prevent that the hose slips out of the chemical disposal container:

Make sure that the hose is pushed down far into the opening of the container. However, the hose end must not be immersed in the liquid.

Connect the machine to the power supply.

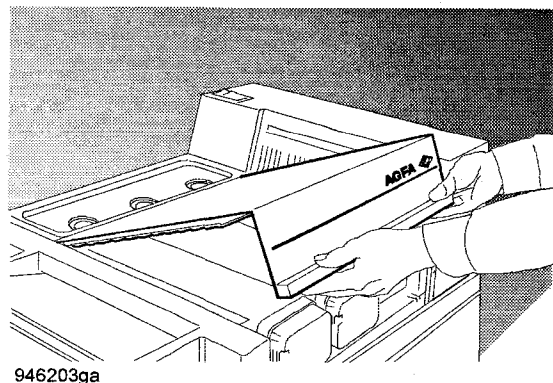


946212ca.cdr

Figure 3 - 10

1.4 Alignment

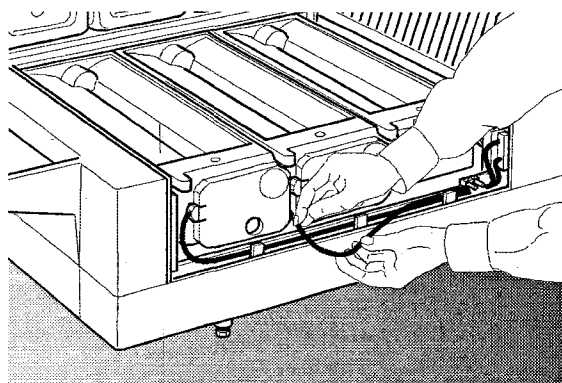
Remove the machine cover.



946203ga

Figure 3 - 11

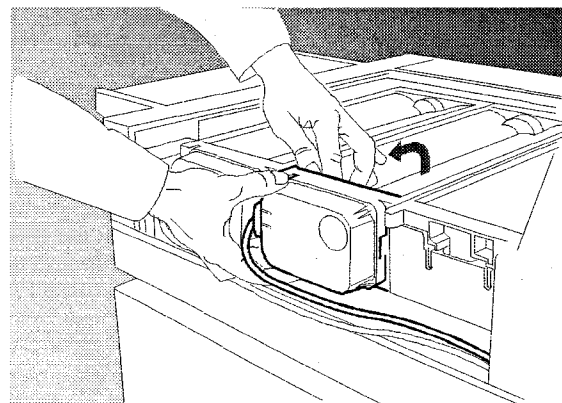
Carefully take the cables of the first tank out of the cable guides. The water tank is the only one without a heater and therefore has no cables.



946203ha.cdr

Figure 3 - 12

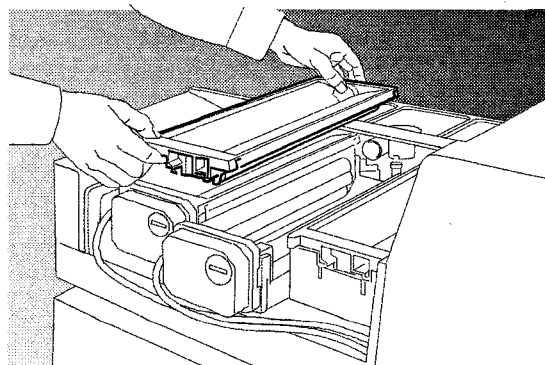
Pull the respective tank approximately 8 to 10 cm out of the machine, i.e. in the direction of the arrow.



946203ia.cdr

Figure 3 - 13

Remove the roller bracket.



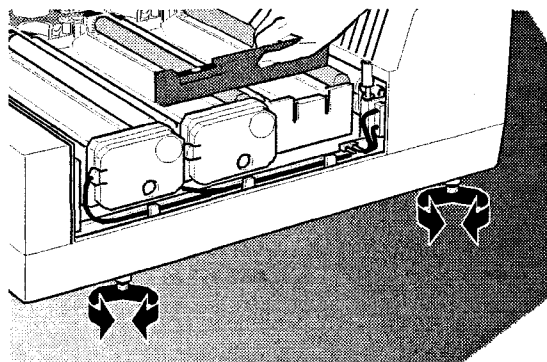
946203ja.cdr

Figure 3 - 14

Proceed accordingly with the other two tanks.

Horizontal alignment of the machine by means of a spirit level

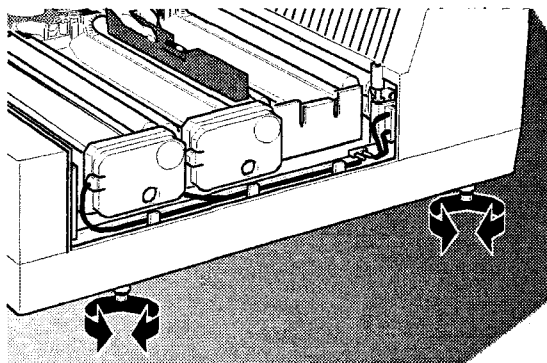
Place a spirit level across the first roller pair of the developer tank and the first roller pair of the fixer tank, and then adjust the machine feet.



946212ywm.cdr

Figure 3 - 15

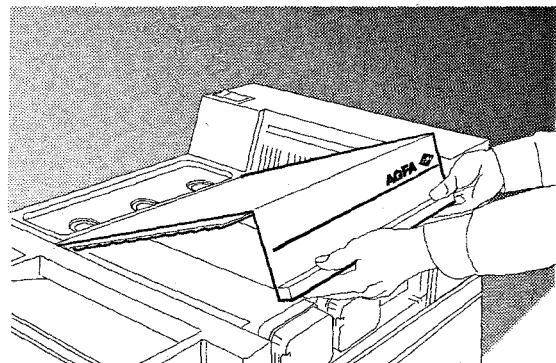
Proceed with the alignment in film transport direction.



946212yxm.cdr

Figure 3 - 16

Put the roller brackets back in according to the color codes and close the machine cover.



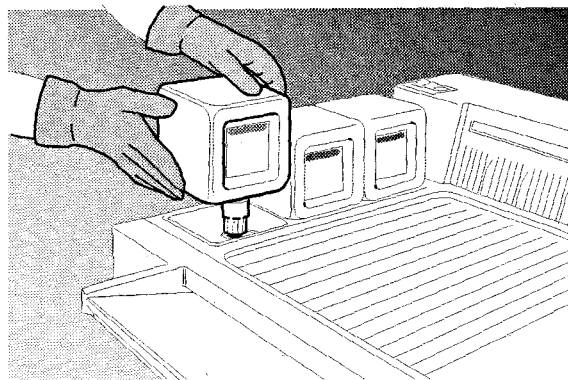
946203ga

Figure 3 - 17

Fill the replenisher bottles and mount them according to their color code.

Connect the machine to the power supply.

Switch the machine on.



946212dm

Figure 3- 18

1.5 Adjustment of the solution temperatures (Type 106/206/846)

1.5.1 Access to the Control Board in the CURIX 60

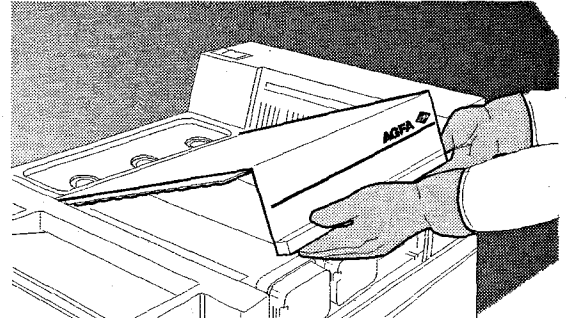


Always wear protection gloves, work coat and goggles when working on equipment with chemicals!

Remove the machine cover.



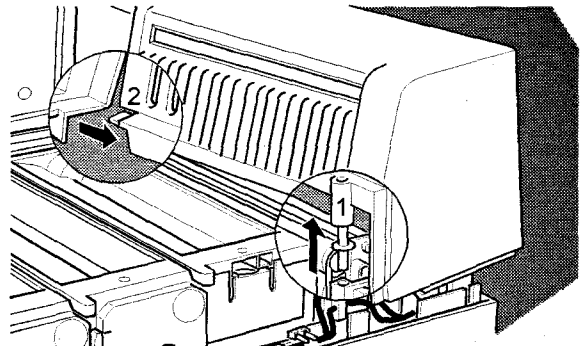
Thereby the interlock switch on the right hand side of the machine cover reacts and switches off the power supply to the machine.



946212em.cdr

Figure 3 - 19

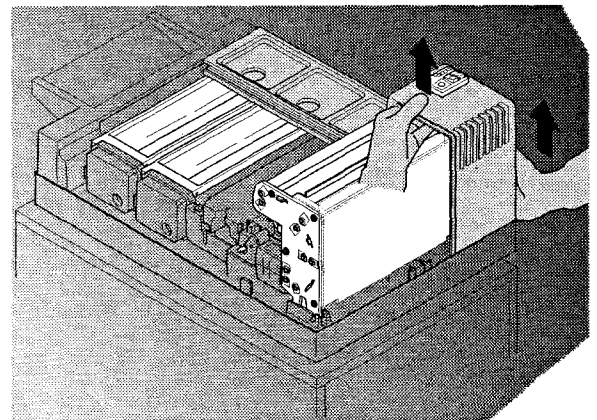
Carefully lift the dryer housing up to pull the interlock switch ① out of its guide. Pull the dryer housing to the right ② and out of its holding groove.



946203bb.cdr

Figure 3 - 20

Remove the cover of the gear box after opening the respective two screws.



946203sm.cdr

Figure 3 - 21

Lift the panel at the rear tie rod and remove it. Now it is possible to remove the crossover section.

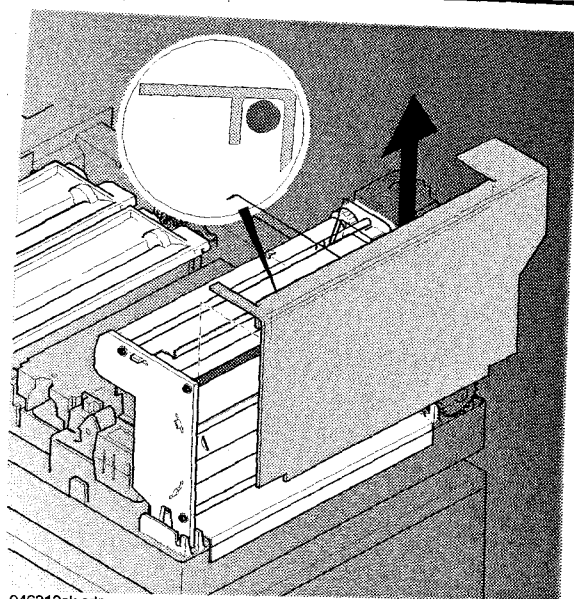


Figure 3 - 22

Remove the cover after opening the two screws.

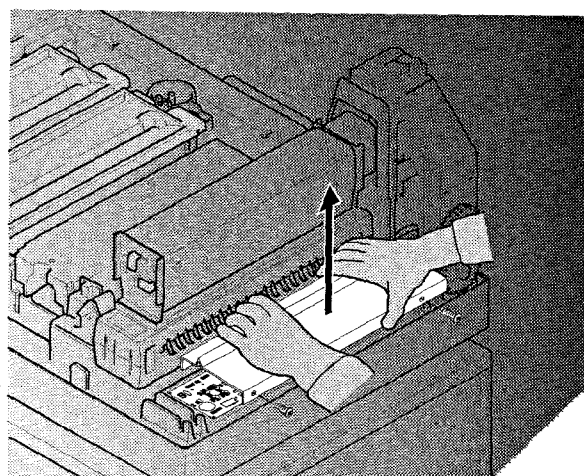


Figure 3 - 23

Mount the gear box cover.

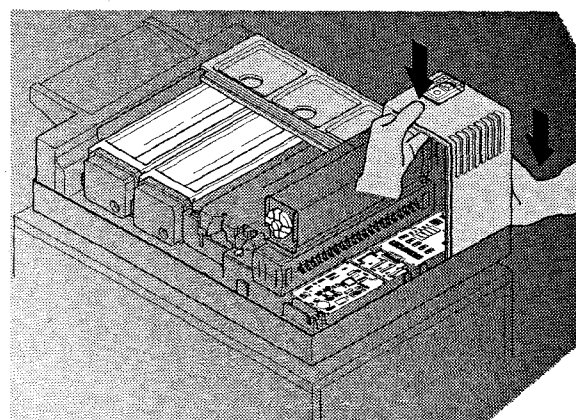


Figure 3 - 24

1.5.2 Access to the Control Board in the CP 1000



Always wear protection gloves, work coat and goggles when working on equipment with chemicals!

Remove the machine cover.

i Thereby the interlock switch on the right hand side of the machine cover reacts and switches off the power supply to the machine.

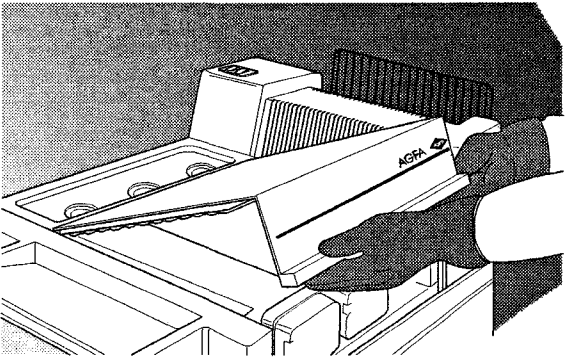


Figure 3 - 25

Carefully lift the dryer housing up to pull the interlock switch ① out of its guide. Pull the dryer housing to the right ② and out of its holding groove.

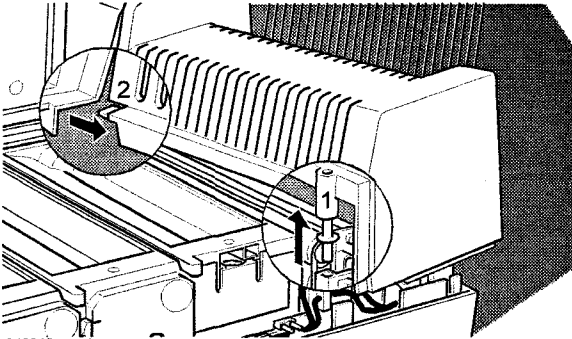


Figure 3 - 26

Undo the knurled screw at the exit section and remove the exit section.

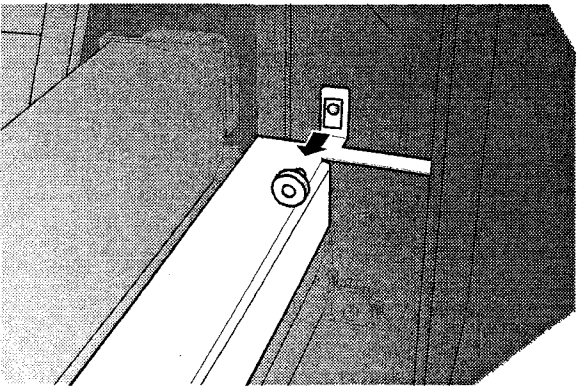
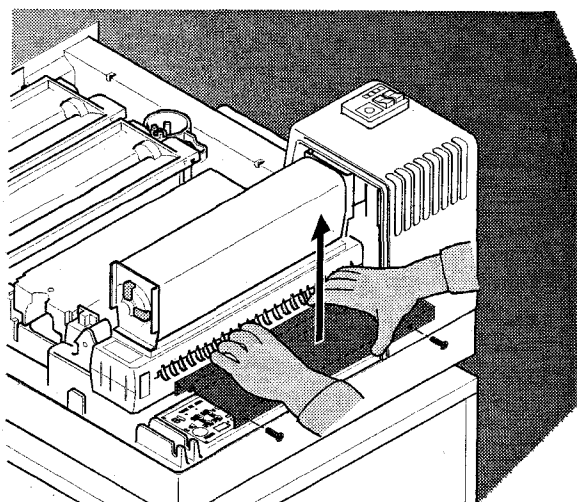


Figure 3 - 27

Remove the cover after opening the respective two screws.



946203pa.cdr

Figure 3 - 28

1.5.3 Developer: electronic adjustment

Insert the service key CM+7.9820.0134.1 in the interlock switch ⑤.

Thereby the lower leg of the service key must engage in the cover holder ①.

Push the other leg in the direction of the arrow ③ and insert it in the interlock switch ⑤, see arrow ④.

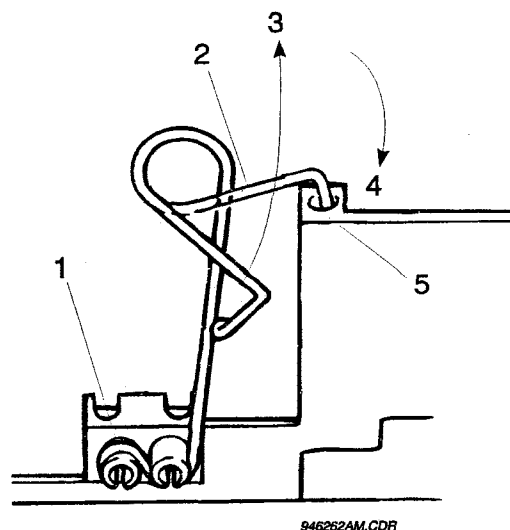


Figure 3 - 29



Caution! As soon as the service key is inserted, all the active parts will be supplied again! The machine starts!

For setup of another temperature use the following components:

on Control Board GS1

- switch S1
- plug ST9 and
- potentiometer R17

on Control Board GS2

- diode D1.

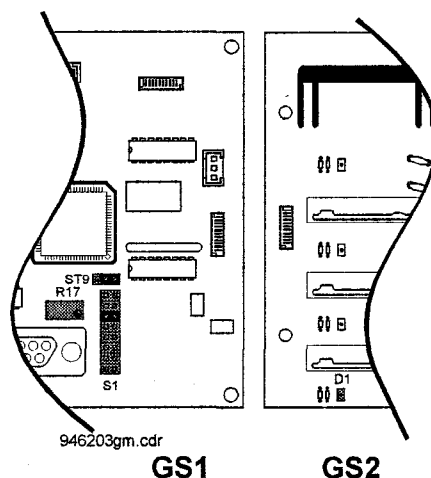


Figure 3 - 30

Furthermore you need

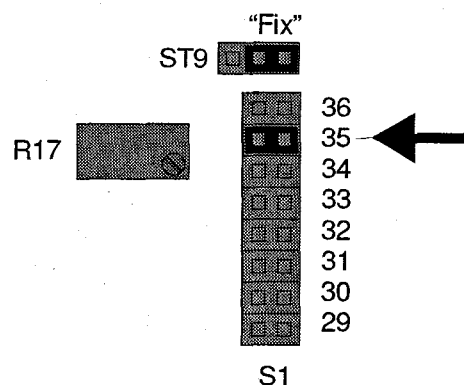
- a screwdriver of the correct size

to adjust the potentiometer R17.

Adjustment of a temperature (full degrees)

Example: You want to adjust a temperature of 35 °C.

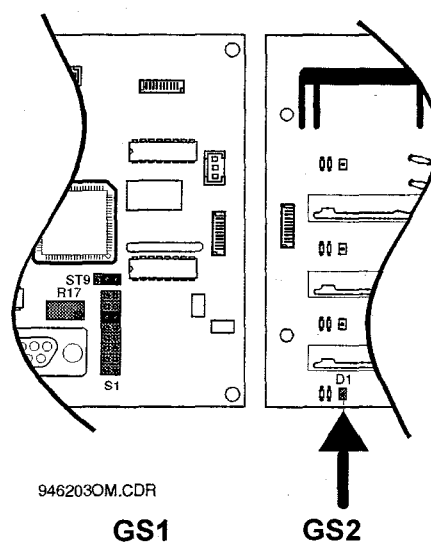
Make sure that plug ST9 is set on "Fix". Move the jumper of switch S1 to a full-value temperature setting, i.e. "35".



946203NM.CDR

Figure 3 - 31

Diode D1 lights as long as the solution is heated. Once diode D1 switches off, the solution has reached the temperature of 35 °C.



946203OM.CDR

Figure 3 - 32

Adjustment of a temperature (1/10 degrees)

Example: You want to adjust a temperature of 35.5 °C. Adjust the value of the full-value temperature setting as described above.

Now move the jumper in plug ST9 to the position "Var".



Figure 3 - 33

If the LED on GS2 is off:

Turn potentiometer R17 clockwise until the diode lights up again...



Figure 3 - 34

...and then turn it counter-clockwise until the diode switches off. Now the working point of potentiometer R17 has been adjusted.

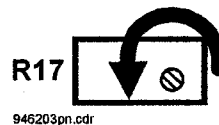


Figure 3 - 35

If the LED is on:

Turn potentiometer R17 counter-clockwise until the diode switches off...



Figure 3 - 36

...and then turn it clockwise until the diode lights up again. Now the working point of potentiometer R17 has been adjusted.

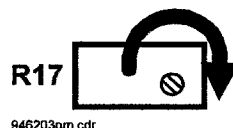


Figure 3 - 37

Now the fraction number of the value "35.5" must be adjusted. Per full clockwise rotation, potentiometer R17 increases the temperature value by one degree.

Therefore turn potentiometer R17 in this case only half a rotation (180 °).

Now a value of "35.5" has been adjusted.

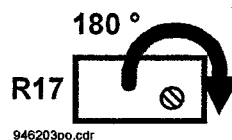


Figure 3 - 38

1.5.4 Fixer: electro-mechanic adjustment



The fixer process is used to stop the chemical reaction of the film to the developer solution. This process is hardly influenced by the temperature of the fixer, it works throughout a wide range of temperatures. The fixer temperature has been preset to approximately 34 °C.

Therefore the fixer temperature must rarely be changed. For reasons of completeness, however, the adjustment of the fixer temperature is explained below.

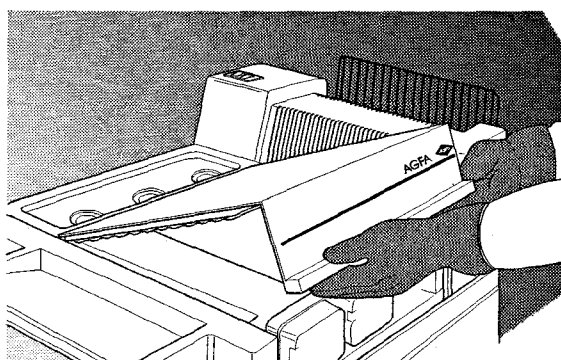


Always wear protection gloves, work coat and goggles when working on equipment with chemicals!

Remove the machine cover.



Thereby the interlock switch on the right hand side of the machine cover reacts and switches off the power supply to the machine.



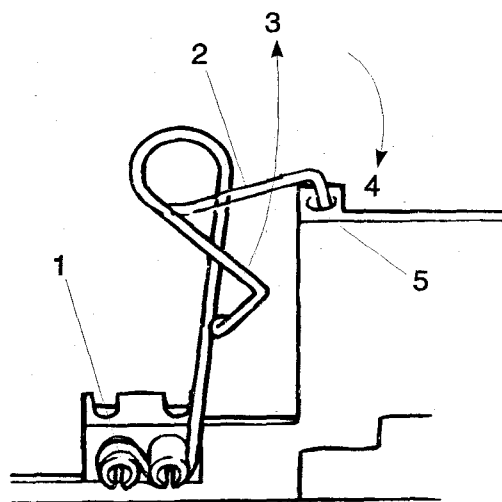
946203ym.cdr

Figure 3 - 39

Insert the service key CM+7.9820.0134.1 in the interlock switch ⑤.

Thereby the lower leg of the service key must engage in the cover holder ①.

Push the other leg in the direction of the arrow ③ and insert it in the interlock switch ⑤, see arrow ④.



946262AM.CDR

Figure 3 - 40



Caution! As soon as the service key is inserted, all the active parts will be supplied again! The machine starts!

Insert a thermometer ② in the valve opening of the fixer tank and secure it with adhesive tape ①.



The thermometer (accuracy at least 0.5 K) should not be inserted in the liquid by more than 10 mm to avoid that the flow of the circulation is affected.

Wait for 7 minutes until there are no more temperature changes.

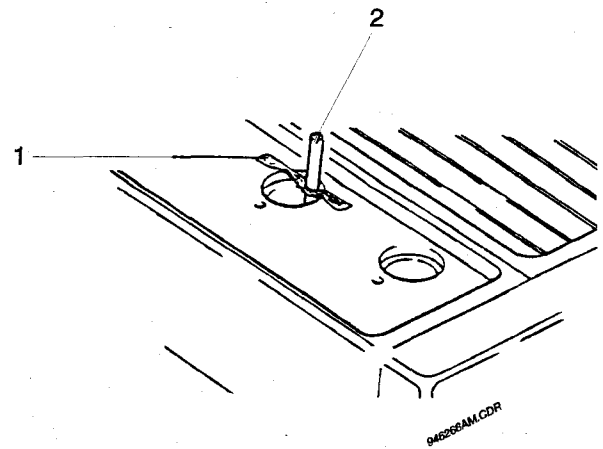


Figure 3 - 41

Remove the adhesive foil ① at the fixer heater. Use a screwdriver to turn the cap ② by 90° and pull it together with the sealing ring ③ out of the heater case ④ in the respective heater for developer or fixer.

Turn the shaft ⑤ slightly with flat nose pliers or tweezers

clockwise = to increase, or
counterclockwise = to decrease
the temperature.

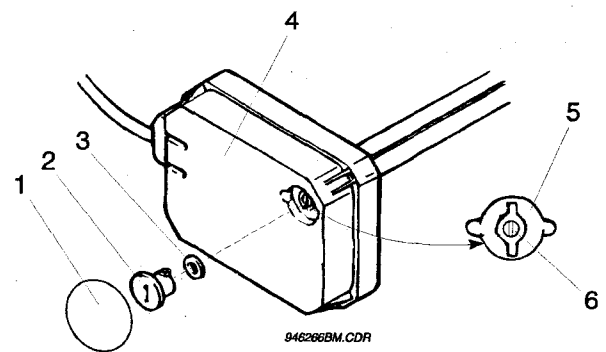


Figure 3 - 42



The shaft ⑤ has an integrated adjusting screw ⑥. This screw must not be turned, since this would change the control characteristics. If this screw is turned an adjustment in the field is no longer possible.

Check the temperature reading on the thermometer and if necessary repeat the procedure.

Mount sealing ring ③ and cap ② again and cover the opening with the adhesive foil.

Close the machine!

1.6 Switches on the controller board GS1 (Type 105/155/165/205/285/845)

1.6.1 CURIX 60 (Type 105/155/165)

Item Number	Switch	Position	Type 9462/			Remarks
			105	155	165	
F8.9463.2500.x (all components)	S1	115 V			X	Adapt the voltage selector switch S1 according to the power rating of the respective machine type
		230 V	X	X		
F8.9463.2500.x	S4	29 - 36 °C	X	X	X	Developer tank temperature can be coded, if the coding S6 Temp. FIX = ON
F8.9463.2500.x	S5	controlled	X	X	X	Electronic developer tank heater (S5)
F8.9463.2500.x	S6	Temp VAR	OFF	X	X	Developer tank temperature according to code switch S4 (steps of full degrees)
		Temp FIX	ON			
		Temp VAR	ON	X	X	Electronic developer tank heater (S5)
		Temp FIX	OFF			



All other switch settings of S6 result in malfunction!

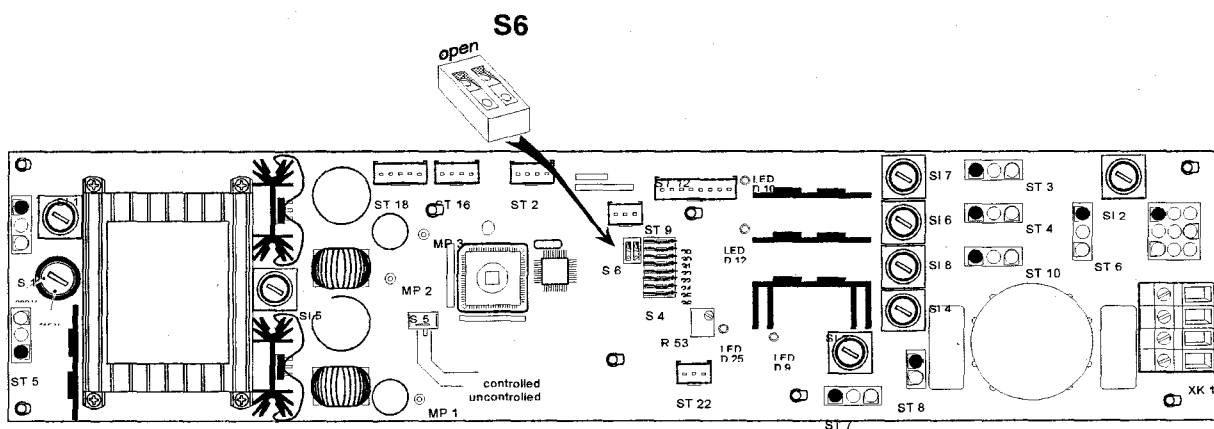
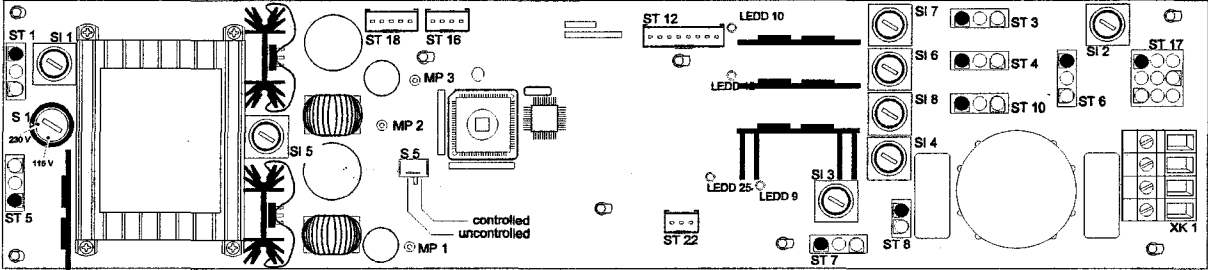


Figure 3 - 43

1.6.2 CP 1000 (Type205/285/845)

Item Number	Switch	Position	Type 9462/			Remarks
			105	155	165	
F8.9463.2500.x (min. components)	S1	115 V			X	Adapt the voltage selector switch S1 according to the power rating of the respective machine type
		230 V	X	X		
F8.9463.2500.x	S5	uncontrolled	X	X	X	Developer tank heater electromechanical (S5)



946207FM.CDR

Figure 3 - 44

1.7 Adjustment of the solution temperatures (developer and fixer type 105/155/165/205/285/845)

1.7.1 Electromechanical adjustment (developer and fixer)

Proceed according to the description in section 6.6.



This applies to all types of the CURIX 60 and CP 1000, however, in the CURIX 60 only to the temperature setting of the fixer solution!

1.7.2 Electronic adjustment of the developer temperature



This applies to all types of the CURIX 60 (9462/105/155/165)!

The CURIX 60 processor incorporates an electronic controller for the tank temperatures of the developer. The developer tank heater uses a capillary-tube regulator and an overheat cut-out (trip setting 70 °C). The bath temperature is factory-set to 34 °C via S 4.

For adjustment of the developer tank temperature use a temperature meter with an accuracy of < 0.5 K.

Adjustment of fixed temperature values (S 6 = FIX)

1. Set the code for the required developer temperature (29°C - 36°C) by means of switch S 4 on the controller board 1.GS. Only one switch must be closed --> nominal temperature
2. Use a thermometer to ensure that the temperature of the developer tank corresponds to the selected nominal temperature.

Adjustment of variable temperature values

Example: required nominal temperature 34.6 °C

1. Set a fixed temperate on the next lower full temperature value, as described under "Adjustment of fixed temperature values (S 6 = FIX)". Make sure that S 6 = "FIX" is adjusted prior to this procedure.
According to the example --> adjust a fixed temperature of 34 °C.
2. Use a thermometer to determine the solution temperature and wait for a stable condition (duration approx. 7 min). Then set S6 from "FIX" to "VAR".



Check the solution temperature directly in the developer tank.

A Temperature sensor

B Adhesive tape

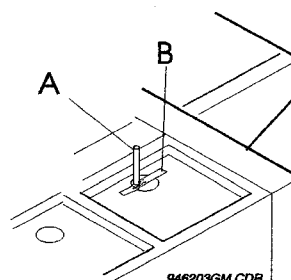


Figure 3 - 45

3. Turn potentiometer R 53 until the LED D25 on the GS 1 changes from dark to light.
4. Turn the potentiometer further in the same direction by the percentage of a full rotation which corresponds to the temperature value after the decimal point, according to the example:
 - required temperature 34.6 °C ,
 - pitch of the pot = 1K/rotation
 - => 0.6 rotations further (= 60 %)
5. Check the solution temperature again with a meter, wait for a stable condition. -> (duration approx. 7 min.), if necessary make a fine adjustment.



Check the solution temperature directly in the developer tank.

1.8 Adjustment of the replenishment rate

1.8.1 Checking the replenishment rates

Switch the machine on and wait for a few minutes until all tanks are filled.

Mark the level on all three replenisher bottles.

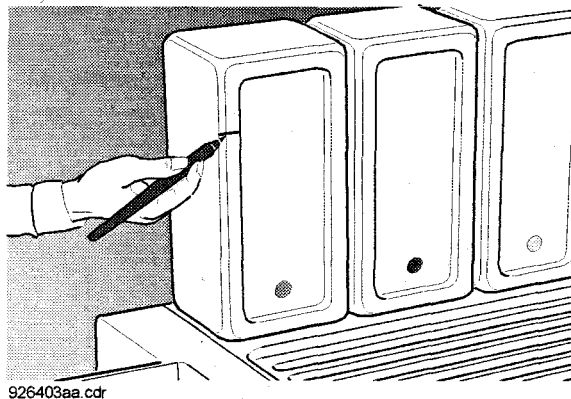


Figure 3 - 46

Press the replenishment button. A replenishment cycle of three minutes is started.

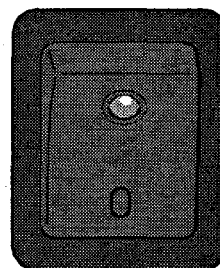


Figure 3 - 47

After three minutes mark the level again and note the current value.

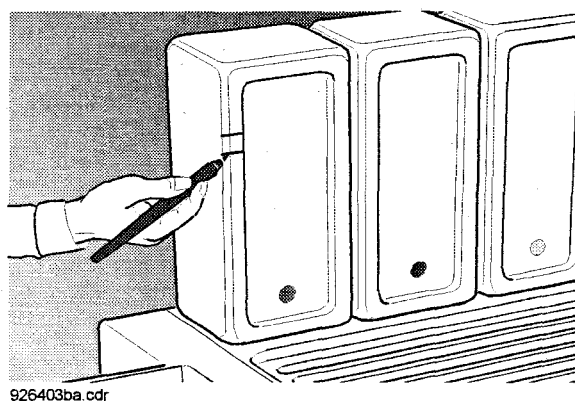


Figure 3 - 48

Compare the noted value for developer, fixer and water with the table below. Select the column that corresponds to the majority of processed film formats.

Level change in the replenisher bottle

	Standard sizes 24 x 30 cm	Sizes > 24 x 30 cm	Sizes < 24 x 30 cm	Small sizes < 10 x 10 cm
Developer	8.5 mm ± 1 0.33 inches ± 0.04	10 mm ± 1.5 0.39 inches ± 0.06	6.5 mm ± 1 0.15 inches ± 0.04	3.5 mm ± 0.5 0.14 inches ± 0.02
Fixer	10.5 mm ± 1.5 0.41 inches ± 0.06	13 mm ± 2 0.51 inches ± 0.08	8.5 mm ± 1 0.33 inches ± 0.04	4.5 mm ± 0.5 0.18 inches ± 0.02
Water	13 mm ± 2 0.21 inches ± 0.08	15 mm ± 2.5 0.59 inches ± 0.1	9.5 mm ± 1.5 0.37 inches ± 0.06	5.5 mm ± 1 0.22 inches ± 0.04

If the noted values do not correspond to the values in the table, the replenishment pump must be adjusted.

1.8.2 Adjusting the pumps

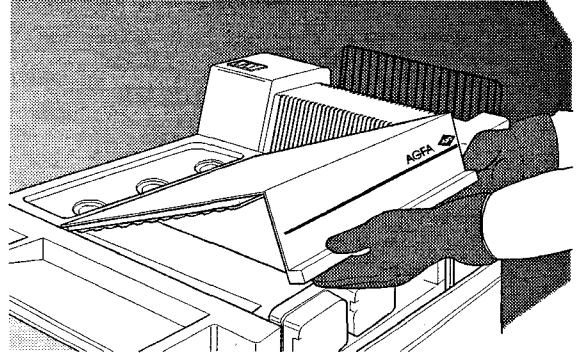


Always wear protection gloves, work coat and goggles when working on equipment with chemicals!

Remove the machine cover.



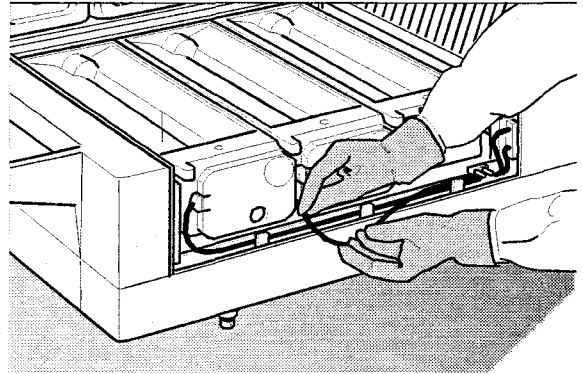
Thereby the interlock switch on the right hand side of the machine cover reacts and switches off the power supply to the machine.



946203ym.cdr

Figure 3 - 49

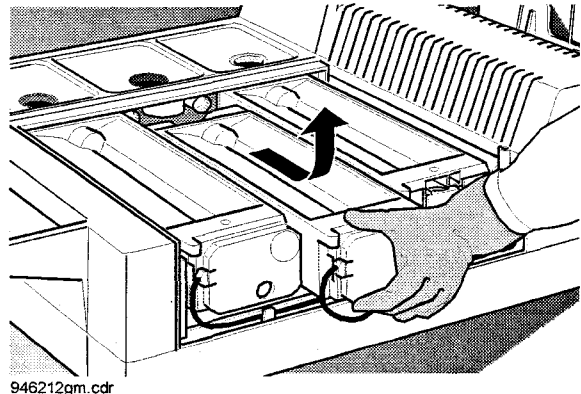
Carefully take the cables of the first tank out of the cable guides. The water tank is the only one without a heater and therefore has no cables.



946212fm.cdr

Figure 3 - 50

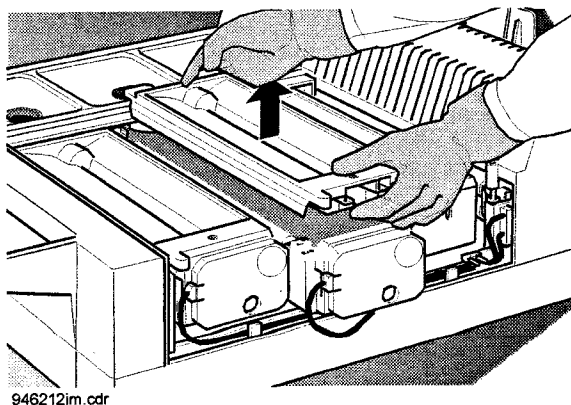
Pull the respective tank approximately 8 to 10 cm in the direction of the arrow.



946212gm.cdr

Figure 12 - 51

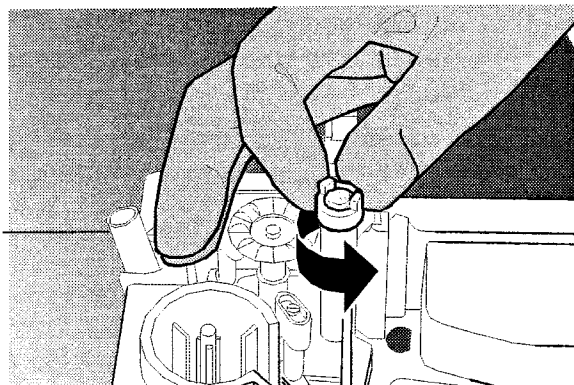
Remove the roller bracket.



946212im.cdr

Figure 12 - 52

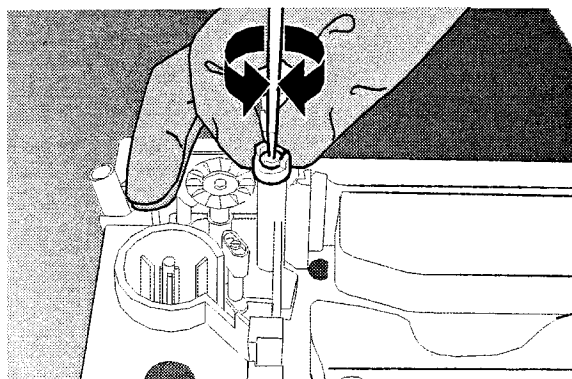
Undo the lock nut of the pump counter-clockwise.



946203ca.cdr

Figure 12 - 53

Adjust the adjusting screw with a screwdriver.



946203da.cdr

Figure 12 - 54

Turning clockwise decreases the supply rate, and turning counter-clockwise increases the supply rate.

Afterwards tighten the lock nut again by turning it clockwise whereby the adjusting screw must be held in its position with a screwdriver.

Insert the guide plate and the roller bracket again and push the tank back into the machine. Make sure that the tanks are correctly positioned and tightly connected.

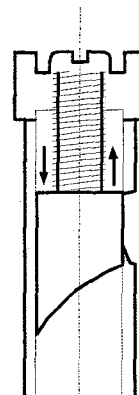
Mount the replenisher bottles again.

Afterwards the respective supply rate must be checked. To do so start another replenishment cycle and check if the supplied amount now corresponds to the respective value in the table.

946203ea.cdr

Figure 12 - 55

If necessary repeat the pump adjustment procedure until the supply rates are correct.



2 Machine operation and hand-over to the customer

After all adjustments have been completed, select the dryer step setting corresponding to the film type in use and check the results with some test films.

Then hand the machine over to the user.

Turning clockwise decreases the supply rate, and turning counter-clockwise increases the supply rate.

Afterwards tighten the lock nut again by turning it clockwise whereby the adjusting screw must be held in its position with a screwdriver.

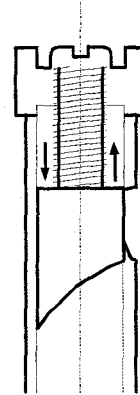
Insert the guide plate and the roller bracket again and push the tank back into the machine. Make sure that the tanks are correctly positioned and tightly connected.

Mount the replenisher bottles again.

Afterwards the respective supply rate must be checked. To do so start another replenishment cycle and check if the supplied amount now corresponds to the respective value in the table.

946203ea.cdr

Figure 12 - 55



If necessary repeat the pump adjustment procedure until the supply rates are correct.

2 Machine operation and hand-over to the customer

After all adjustments have been completed, select the dryer step setting corresponding to the film type in use and check the results with some test films.

Then hand the machine over to the user.

Operating Instructions

4

Section 4

File the operating instructions of the machine in this section.

Section 5

explains the machine principle and describes its function in normal conditions.

Furthermore it describes the structure and function of individual assemblies.

Section 5

Contents

1	Assemblies in CURIX 60	1
2	Assemblies in CP 1000.....	2
3	Functional procedure.....	3
3.1	Switch-on phase	3
3.2	Replenishment button	3
3.3	Selection switch for dryer output.....	4
3.4	Film feed.....	4
3.5	Film run	5
3.6	Switching off.....	5

1 Assemblies in CURIX 60

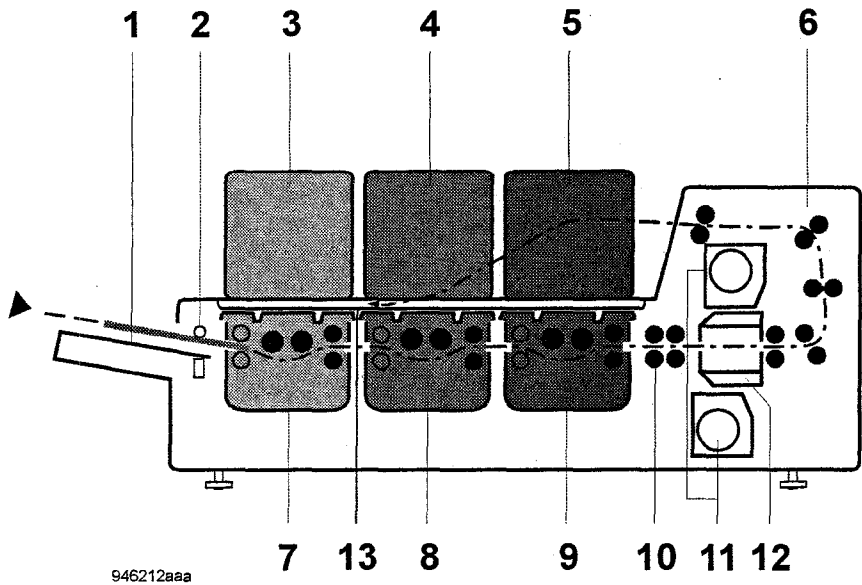
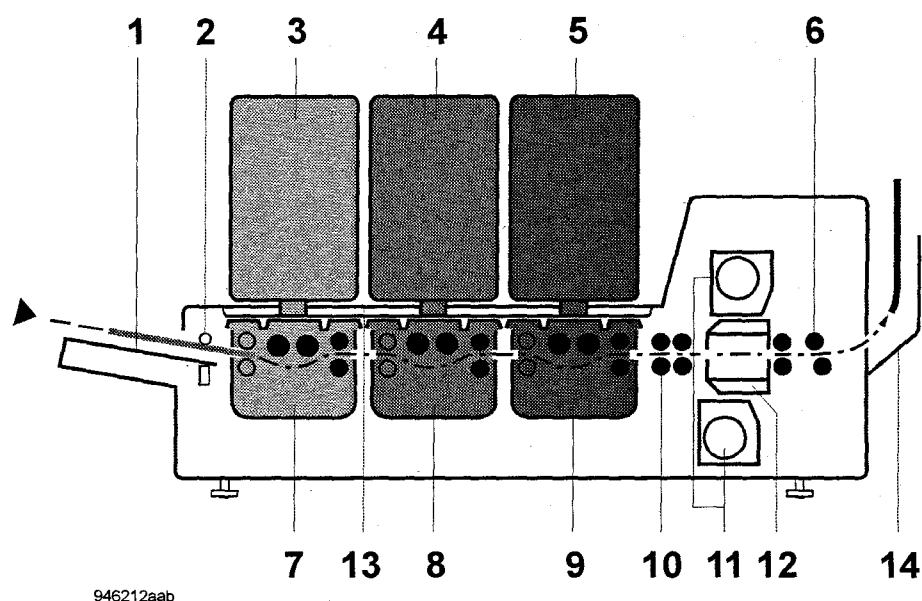


Fig. 5 - 1

1	Film feed table	8	Fixer tank (0.9 l)
2	Film feed detection for replenishment and dryer	9	Water tank (0.9 l)
3	Developer replenisher bottle (2.5 l)	10	Distributor unit
4	Fixer replenisher bottle (2.5 l)	11	Radial flow fan
5	Water replenisher bottle (2.5 l)	12	Infrared dryer
6	Crossover section	13	Machine cover
7	Developer tank (0.9 l)		

2 Assemblies in CP 1000



946212aab

Fig. 5 - 2

1	Film feed table	8	Fixer tank (0.9 l)
2	Film feed detection for replenishment and dryer	9	Water tank (0.9 l)
3	Developer replenisher bottle (5 l)	10	Distributor unit
4	Fixer replenisher bottle (5 l)	11	Radial flow fan
5	Water replenisher bottle (5 l)	12	Infrared dryer
6	Exit section	13	Machine cover
7	Developer tank (0.9 l)	14	Film chute

3 Functional procedure

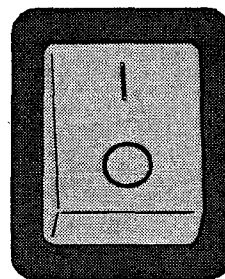
3.1 Switch-on phase

Switch machine on at mains switch S2 (the lamp in the mains switch lights up).

The drive motor M1 (transport speed 28 cm/min.), replenishment pump and tank heater HZ1, HZ2 (developer and fixer) start. The upper dryer fan is running.

The switch-on cycle starts independent of the developer temperature, the dryer heating is activated for 280 s; the lower dryer fan for 320 s, the upper dryer fan runs continuously, the heaters are operating. Developer and fixer tanks are heated up to NOM.temperature in approx. 7 seconds. *Minutes ?*

Once the NOM.temperatures have been reached, the processor is ready for film feed (standby mode).



946205GM.CDR

Fig. 5 - 3

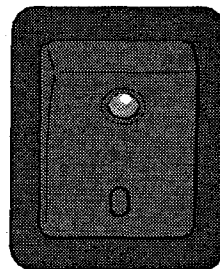


As long as the machine is switched on, the upper dryer fan runs continuously to avoid condensation on the feed table.

3.2 Replenishment button

Press replenishment button S3.

The replenishment cycle is started for 3 minutes. The quantity pumped by the replenishment pump must be adjusted according to the film format being processed (see chapter 2 "Adjusting the replenishment devices").

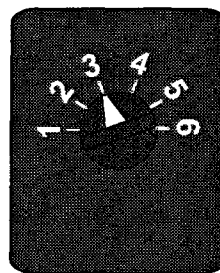


946205HM.CDR

Fig. 5 - 4

3.3 Selection switch for dryer output

Adjust the dryer temperature at the selection switch for dryer output GS IR using a screwdriver or coin.



946202KM.CDR

Fig. 5 - 5

Dryer steps CURIX 60, Type 9462/106 and CP 1000 Type 9462/206/846

The IR-heaters are triggered with the following voltages:

1	2	3	4	5	6
50 V	70 V	85 V	100 V	125 V	145 V

Dryer steps CURIX 60, Type 9462/105/155/165 and CP 1000 Type 9462/205/285/845

Due to phase-control the IR-heaters reach the following percentage of their possible maximum capacity:

1	2	3	4	5	6
10 %	20 %	30 %	40 %	50 %	60 %



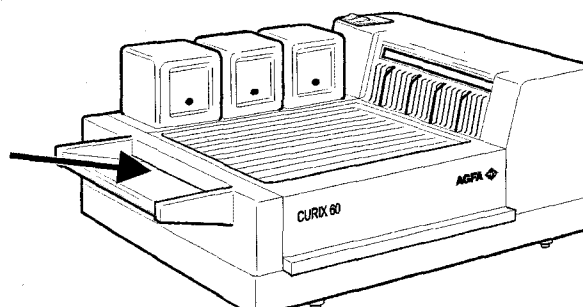
The dryer step is to be adjusted according to the film. When dried properly, the film is neither moist nor sticky when it leaves the machine.

3.4 Film feed

Feed the film into the machine.

The reed contacts detect the film.

Start the process time: the IR heaters and the lower dryer fan are activated immediately. The replenishment pump accelerates to double speed (approx. 720 rpm) some of the pumped quantity of fresh replenished liquid rises through the tubes into the tank. The same quantity of liquid flows out of the tank into the overflow and drains away.

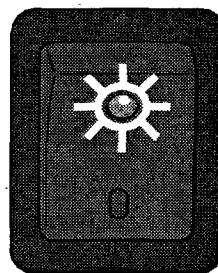


946205JM.CDR

Fig. 5 - 6

The film stop lamp LA in the replenishment button lights up.

15 s after the film has run through the film feed detection, the LA lamp goes off and shows that the processor is ready for the next film to be fed in. The process time starts from the beginning again when a new film is fed into the machine.



946205KM.CDR

Fig. 5 - 7

3.5 Film run

Film transport: The film has passed over the magnetic rollers of the film feed detection. The film is pulled through the developer tank, fixer tank and wash water tank in succession. The replenishment pump switches back to half speed (360 rpm) again after the run-on time has expired. The film is then transported through the dryer and dried by IR radiation and by the fans. The film then leaves the machine.

Replenishment run-on time, after the film stop lamp has gone off: 15 s

Run-on time once the film has left the film feed detection:

IR heater: 280 s (225 s for type 9462/105/155/165/205/285/845)

Lower dryer fan: 320 s (265 s for type 9462/105/155/165/205/285/845)

Process time for the processor procedure:

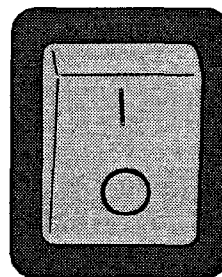
188 s with crossover unit (CURIX 60)

137 s with film chute (CP 1000)

3.6 Switching off

Switch off the processor with mains switch S2.

All consumers are switched off.



946205LM.CDR

Fig. 5 - 8



IMPORTANT: While the film transport is running, the processor should not be switched off apart from in an emergency.

Section 6

contains detailed information for repair and service.

Exact information of the machine functions (section 5) is the prerequisite for doing repairs and adjustments.

Section 6 is divided into the following chapters:

- 6.1 Safety regulations / general hints for repair work**
- 6.2 Tools and auxiliary means (also software tools)**
- 6.3 Troubleshooting**
- 6.4 Electrical and mechanical codes, fuse tables**
- 6.5 Replacement of parts, including adjustment instructions when applicable**
- 6.6 Adjustments (software and hardware)**

Section 6.1

Contents

1	Safety checks	1
1.1	Visual check.....	1
1.2	Leak check	1
1.3	Electrical check.....	1
1.4	Checking the mains cable.....	1
1.5	Cover switch	2

1 Safety checks

Carry out the following safety checks as a matter of routine after completing any kind of repair work.

Please comply with the national safety regulations.

1.1 Visual check



Ensure that there are no stumbling blocks, protruding parts, defect housing parts or sharp edges in the immediate vicinity of the machine.

1.2 Leak test

Check the tank hoses for leaks inside and outside the machine at feed pipes and drain pipes.

Remove all water and chemical remnants. Please comply with the disposal regulations for chemicals.

1.3 Electrical checks

- The mains cable and the cable within the machine show no signs of damage.
- The mains fuses have the required values.
- No scorching or incorrect wiring visible.
- Test the grounding at metallic paneling/parts of the housing.
- When carrying out repairs in the mains voltage area, the protective conductor has to be checked (VDE standard). The protective conductor resistance for earthed contact plugs is $\pm 0.3 \text{ ohm}$, for fixed connections $\pm 0.2 \text{ ohm}$ (according to VDE 0702, VBG4 issue 1997)

- ① = Inner circuit of the device being tested
- ② = Protective resistance meter
- ③ = Connection between meter and protective conductor
- ④ = Connection between meter and touchable, conductible parts of the device being tested

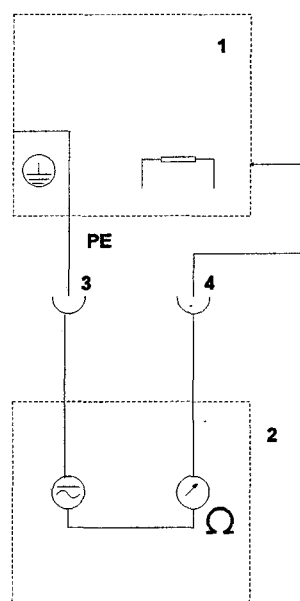


Fig. 6.1 - 1

1.4 Checking the mains cable

- Check the condition of the insulation on the mains plug and mains cable
- Check that the strain relief on the mains cable is effective
- Check that the protective conductors are effective at mechanical paneling sections (protective conductor or spring-finger plugs intact)

1.5 Interlock switch

The interlock switch has to be bridged for some work carried out on the open machine.

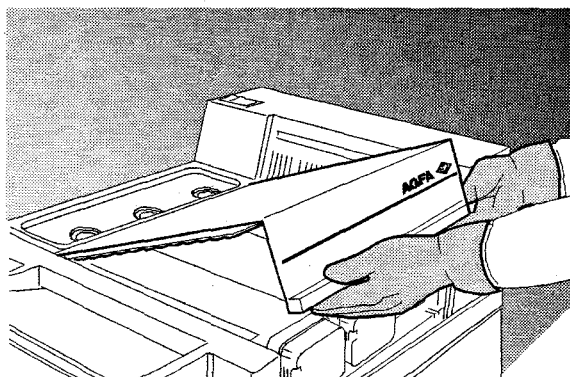


Always wear protective gloves, apron and goggles when handling chemicals!

Take the machine cover off.



In doing so, the interlock switch on the right of the machine cover triggers and switches off the power supply to the machine.



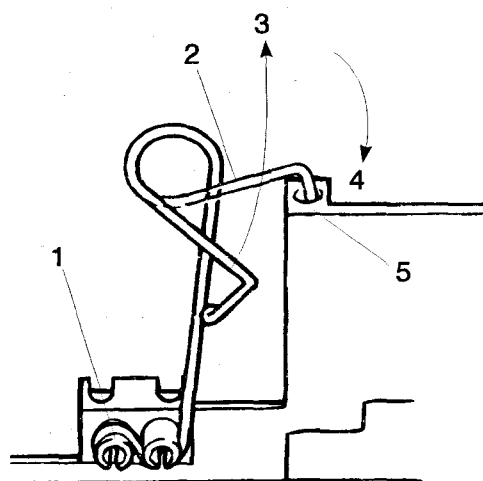
946212em.cdr

Fig. 6.1 - 1

Position the service key CM+7.9820.0134.1 at interlock switch ⑤.

The lower leg of the service key must engage in the cover bracket ①.

Lift the other leg in the direction of the arrow ③ and engage in interlock switch ⑤, see arrow ④.



946262AM.CDR

Fig. 6.1 - 2



Caution! As soon as the service key is in position, all live parts are supplied with voltage again! The machine starts up!

Section 6.2

Contents

1	Recommended tools and testing equipment.....	1
2	Test button and test program	2
2.1	Using the test button (type 9462/106/206/846).....	2
2.2	Using the test button (type 9462/105/155/165/205/285/845)	3
2.3	Handling the test button.....	4

1 Recommended tools and testing equipment

In addition to the general tools which every service engineer has in his tool box, the following additional aids are required to service the machine:

Aid	Spare parts no.	Use
Extractor for ICs in PLCC housing	CM+9.9999.1005.0	Replacing EPROMs
Earthing tape	CM+9.9999.0830.0	Replacing EPROMs
Measuring beaker (measure), contents 500 ml	-	Adjusting replenishment quantity for developer / fixer
Service key	CM+9.9999.0907.0	Bridging cover switch
Withdrawal tool	CM+9.9999.0793.0	Removing AMP contacts
Test button	CM+8.8966.0067.1	Test program

2 Test button and test program

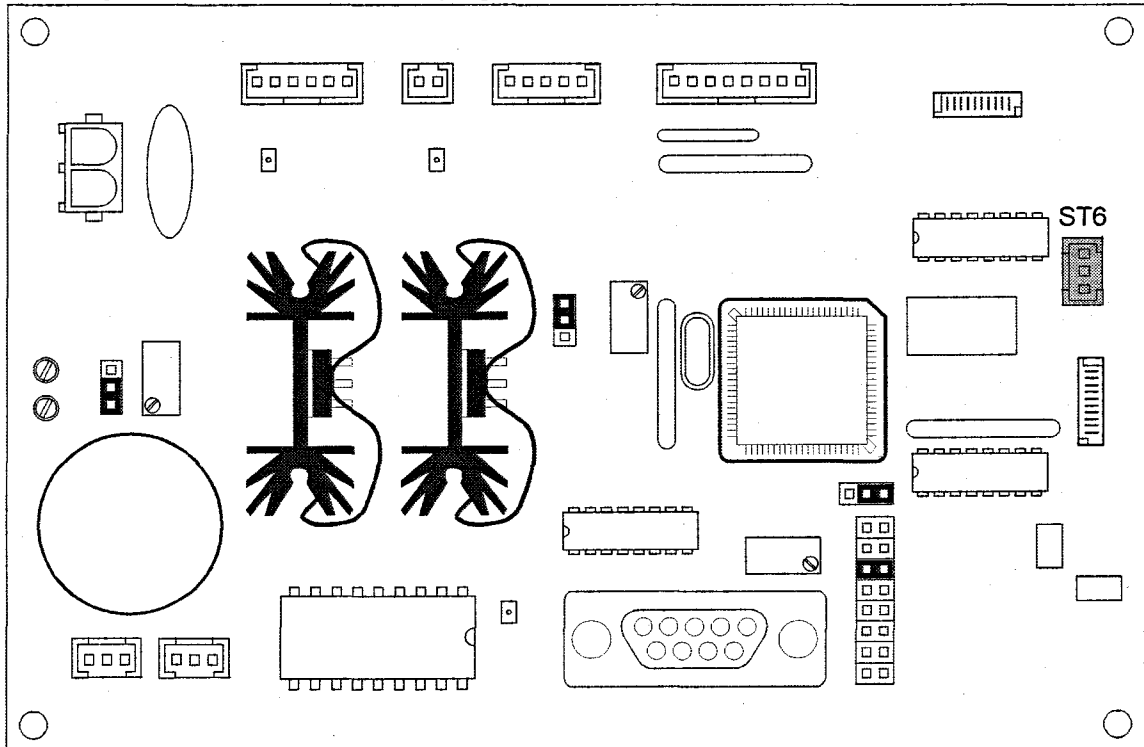
2.1 Using the test button (type 9462/106/206/846)



Disconnect the machine plug from the socket

Expose control board GS1. This is described in section 3. Then use the service key to bridge interlock switch S1.

Put the jack of the test button on plug ST6 of control board.



946262am.cdr

Fig. 6.2 - 1



Put the mains plug into the socket and switch the machine on. All live parts are now supplied with voltage again.

2.2 Using the test button (type 9462/105/155/165/205/285/845)



Disconnect the machine plug from the socket

Expose control board GS1. This is described in section 3. Then use the service key to bridge interlock switch S1.

Put the jack of the test button on ST22 of control board GS1.

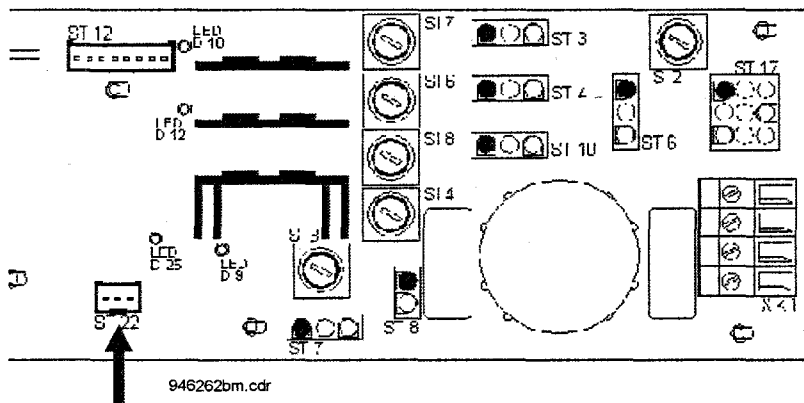


Fig. 6.2 - 2



Put the mains plug into the socket and switch the machine on. All live parts are now supplied with voltage again.

2.3 Handling the test button



When the machine is switched on, the switch-on cycle runs. Wait until the machine finishes the switch-on cycle itself and changes into standby, before activating the test button.

The test program consists of six stages.

Stage	Outcome, triggered consumer	Time limit
1. Press the test button once.	Lower dryer fan starts (5M2)	25 s
2. Press the test button again within the time limit of stage 1 (25).	IR heaters (5HZ1, 5HZ2) light up and lower fan dryer (5M2) starts	5 s
3. Press the test button again within the time limit of stage 2 (5).	Replenishment pump (M2) starts	30 s
4. Wait until the time limit of stage 3 (30 s) has expired, and turn the left-hand film feed detection roller by hand	Replenishment pump (M2) and lower dryer fan (5M2) start	3 s
5. Wait until the time limit of stage 4 (3 s) has expired and turn the right-hand film feed detection roller by hand.	Replenishment pump (M2) and lower dryer fan (5M2) start	3 s
6. Wait until the time limit of stage 5 (3 s) has expired and press the replenishment button (S3)	Replenishment pump (M2) and lower dryer fan (5M2) start	180 s

After 180 s the test program is finished and the machine changes to standby mode. If the button is not pressed for a longer period of time in between the individual stages, then the machine also changes into the standby mode.

Section 6.3

Contents

1 Machine-relevant faults (type 9462/106/206/846)..... 1

1.1 Film is not taken into the machine 1

1.2 Film congestion in the machine 1

1.3 Film is moist when it leaves the machine..... 2

1.4 Upper dryer fan runs continuously 3

1.5 Level in the replenisher bottles falls faster than expected..... 3

1.6 Noise development in the machine louder than normal..... 3

2 Film-related faults (type 9462/106/206/846)..... 4

2.1 Inadequate density of the film 4

2.2 Irregular density..... 4

2.3 Contrast too weak..... 5

2.4 Grey film stronger than expected..... 5

2.5 Contrast too strong 5

2.6 Electrostatic discharges 6

2.7 Film not properly fixed 6

2.8 Smears..... 6

2.9 Film surface dirty..... 6

2.10 Scratches on the film 7

2.11 Film surface (visible side) stained or wavy film 7

2.12 Film is moist when it leaves the machine..... 7

3 General error catalogue (Type 105/155/165/205/285/845)..... 8

3.1 Device 8

3.1.1 Film transport halted 8

3.1.2 Film transport disrupted 8

3.1.3 Device is switched on but not operational..... 8

3.1.4 Film jam in dryer..... 8

3.1.5 No replenishment and/or dryer without function..... 8

3.1.6 Machine is noisy..... 8

3.1.7 Consumption of chemicals excessive 9

3.1.8 Dryer malfunctioning 9

3.1.9 Upper dryer fan runs permanently 9

3.2 Film..... 10

3.2.1 Poor film quality..... 10

3.2.2 Light stripes along film 10

3.2.3 Light and dark strips along film 10

3.2.4 Irregular development 10

3.2.5 Density is irregular 10

3.2.6 Maximum density cannot be achieved 10

3.2.7 Density fluctuations..... 10

3.2.8 Film not correctly fixed 11

3.2.9 Inadequate blackening..... 11

3.2.10 Contrast too low..... 11

3.2.11 Contrast too high..... 11

3.2.12 Static discharge..... 11

3.2.13 Smearing..... 11

3.2.14 Stains on surface of film or film wavy..... 12

3.2.15 Film wet..... 12

3.2.16 Scratches on film 12

3.2.17 Surface of film contaminated 12

3.2.18 Film creased or crumpled..... 12

**4 Operation errors / handling problems on the machine
 (Type 105/155/165/205/285/845) 13**

4.1 Films are fogged..... 13

4.2 Short circuit on the Control Board 15

4.3 Broken valves of the replenisher bottles 16

4.4 Pump mounting with latches, introduced as production standard 17

1 Machine-relevant faults (type 9462/106/206/846)

1.1 Film is not taken into the machine

Cause / condition	Remedy
Drive motor M1 is not running / LED D2 on control board GS1 lights up	Check plug ST3 on control board GS1, check outlet ST3 on GS 1 (11.4V), where appl. replace GS1, check inner resistance M1, replace motor M1
Motor M1 is not triggered / LED D2 on control board GS1 does not light up	Replace control board GS1
Gear wheel on drive motor M1 defect	Replace gear wheel
Interlock switch S1 has triggered or is defect	Put machine cover on properly or replace interlock switch

1.2 Film congestion in the machine

Cause / condition	Remedy
Spring pin (driver) of a pair of rollers is defect	Replace spring pin D2348
Upper dryer fan 5M1 is not running / film is too moist and sticks to the rollers	Check contact ST3 on distributor board GS3, check fuse SI7 on GS3, check inner resistance of upper dryer fan, replace upper dryer fan or distributor board GS3
Lower dryer fan 5M2 does not start up after film feed / film too moist and sticks to the rollers, LED D2 on power circuit board GS2 does not light up during film feed	Check contact ST13 on control board GS1 and contact ST1 on power circuit board GS2, replace control board GS1 or power circuit board GS2
Lower dryer fan 5M2 does not start up after film feed / film too moist and sticks to the rollers, LED D2 on power circuit board GS2 lights up during film feed	Check contact ST4 on GS3, SI6 on GS3, BU6 on GS3, check inner resistance of lower dryer fan, replace lower dryer fan or power circuit board GS2



The developer or fixer liquids can also cause the film to be too moist (see chapter 2).

Cause / condition	Remedy
IR heaters 5HZ1 and 5HZ2 do not radiate after film feed / film too moist and sticks to the rollers LED D4 on power circuit board GS2 does not light up during film feed	Check contact ST1 on GS2 and ST13 on GS1, replace control board GS1 or power circuit board GS2
IR heaters 5HZ1 and 5HZ2 do not radiate after film feed /film too moist and sticks to the rollers, LED D4 on power circuit board GS2 lights up during film feed	Check contact ST2 on GS2 and BU6 on GS3, check fuse SI5 on GS3, check contact ST9 on distributor board GS3, check overheating protection at the IR heaters, check inner resistance of IR heaters, replace IR heaters, power circuit board GS2 or distributor board GS3



The developer or fixer liquids can also cause the film to be too moist (see chapter 2).

1.3 Film is moist when it leaves the machine

Cause / condition	Remedy
Upper dryer fan 5M1 is not running / film not dry enough	Check contact ST3 on distributor board GS3, check fuse SI7 on GS3, check inner resistance of upper dryer fan, replace upper dryer fan or distributor board GS3
Lower dryer fan 5Ms does not start up after film feed / film therefore moist, LED D2 on power circuit board GS2 does not light up during film feed	Check contact ST13 on control board GS1 and contact ST1 on power circuit board GS2, replace control board GS1 or power circuit board GS2
Lower dryer fan 5Ms does not start up after film feed / film therefore moist, LED D2 on power circuit board GS2 lights up during film feed	Check plug ST4 on GS3, check SI6 on GS3, check inner resistance of lower dryer fan, replace lower dryer fan, check BU6 on GS3 and ST2 on GS2, replace power circuit board GS2
IR heaters 5HZ1 and 5HZ2 do not radiate after film feed / film too moist and sticks to the rollers LED D4 on power circuit board GS2 does not light up during film feed	Check contact ST1 on GS2 and ST13 on GS1, replace control board GS1 or power circuit board GS2
IR heaters 5HZ1 and 5HZ2 do not radiate after film feed /film too moist and sticks to the rollers, LED D4 on power circuit board GS2 lights up during film feed	Check contact ST2 on GS2 and BU6 on GS3, check fuse SI5 on GS3, check contact ST9 on distributor board GS3, check overheating protection at the IR heaters, check inner resistance of IR heaters, replace IR heaters, power circuit board GS2 or distributor board GS3

Cause / condition	Remedy						
Relays RS1 to RS5 on distributor board GS3 do not switch correctly	Check contact ST14 on S1 and ST2 on GS3, check voltage at ST9 on GS3, the voltage must correspond to the values in the table, where necessary replace GS3						
	Dryer stage						
		1	2	3	4	5	6
	ST9	50 V	70 V	85 V	100 V	125 V	145 V



The developer or fixer liquids can also cause the film to be too moist (see chapter 2).

1.4 Upper dryer fan runs continuously

Cause /condition	Remedy
No fault! As long as the machine is switched on, the upper dryer fan runs permanently to prevent condensation.	

1.5 Level in the replenisher bottles falls faster than expected

Cause / condition	Remedy
Leak in the bottle valve around the screwed connection	Replace bottle valve or replenisher bottle
Replenishment cycle runs continuously	Replace GS1

1.6 Noise development in the machine louder than normal

Cause / condition	Remedy
Drive of the replenishment pump not working correctly	Check allocation pinion / crown wheel and reduce too much play with a washer; replace crown wheel when worn, grease pinion / crown wheel with Isoflex Topas NB52

2 Film-related faults (type 9462/106/206/846)

2.1 Inadequate density of the film

Cause / condition	Remedy
Inadequate replenishment of the developer	Check and where applicable adjust replenishment of developer depending on format of film mainly being used
Temperature of developer solution too low / LED D1 on power circuit board GS2 does not light up	Check plug ST1 on GS2 and ST13 on GS1, replace GS1 or power circuit board GS2
Temperature of developer solution too low / LED D1 on power circuit board GS2 lights up	Check ST2 on GS2 and BU6 on GS3, check SI9 on GS3, BU5 on GS3, check inner resistance developer heater, replace developer heater or replace power circuit board GS2, or adjust temperature of developer solution as described in section 6.6
Developer not mixed properly or too old	Replace developer in tank and replenisher bottle
Film not suitable for process	Use corresponding film
Faulty exposure	Take picture with correct exposure

2.2 Irregular density

Cause / condition	Remedy
Inadequate replenishment developer / fixer	Check and adjust developer / fixer replenishment depending on format of film mainly being used (see section 6.6)
Extreme temperature fluctuations in developer solution / LED D1 on GS1 does not light up	Replace GS1
Extreme temperature fluctuations in developer solution / LED D1 on GS1 lights up	Check ST11 on GS1, check inner resistance of the motor of the replenishment pump, replace motor
Machine not aligned in a plane position	Align machine horizontally with a spirit level, see section 3

2.3 Contrast too weak

Cause / condition	Remedy
Developer not mixed properly or too old	Replace developer in tank and replenisher bottle
Inadequate replenishment of developer	Adjust replenishment rate as stated in section 6.6
Temperature of the developer solution too low for the type of film being used	Adjust temperature of developer solution as described in section 6.6
Temperature of the developer solution too low / LED D1 on power circuit board GS2 does not light up	Check ST1 on GS2 and ST13 on GS1, replace GS1
Temperature of the developer solution too low / LED D1 on power circuit board GS2 lights up	Check inner resistance developer heater, replace power circuit board GS2 or developer heater, respectively adjust temperature of developer solution as described in section 6.6

2.4 Grey film stronger than expected

Cause / condition	Remedy
Film shelf-life expired	Check best-before date
Film incorrectly stored	Check storage conditions of film as stated on the packing
Cover (CM+99463.1224.0) on crossover unit of CURIX 60 not in position	Put cover back on again
Darkroom not light-proof, incorrect darkroom lighting	Seal darkroom properly, use filter recommended by system consultant for darkroom lighting

2.5 Contrast too strong

Cause / condition	Remedy
Developer not mixed properly	Replace developer in tank and replenisher bottle
Temperature of developer solution too high for film type being used / The temperature coded on GS1 is set higher than the recommended temperature for this type of film	Adjust temperature of developer as described in section 6.6
Temperature of developer solution too high for film type being used / The ACT.temperature of the developer does not correspond to the temperature coded on GS1	Check contact ST4 on control board GS1, replace power circuit board GS2 or control board GS1

2.6 Electrostatic discharges

Cause / condition	Remedy
Static charges of the magnet rolls (scanning) caused by climatic conditions (rel. hum. < 40%)	Correct the climatic conditions, increase the humidity.

2.7 Film not properly fixed

Cause / condition	Remedy
Inadequate replenishment of the fixer	Check and adjust replenishment of the fixer depending on the format of film mainly being used
Fixer incorrectly mixed	Replace fixer in tank and replenishment bottle
Fixer tank heater does not work	Check contact ST7 on distributor board GS3, check inner resistance of fixer tank heater, replace fixer tank heater or distributor board GS3

2.8 Smears

Cause / condition	Remedy
Developer not correctly mixed or contaminated by fixer	Replace developer in tank and replenisher bottle

2.9 Film surface dirty

Cause / condition	Remedy
Developer / fixer exhausted or oxidized	Replace developer / fixer in tank and replenisher bottle
Algae growth in the wash water tank	Clean wash water tank and pairs of rollers
Dirt on the rollers	Clean the rollers, devoting special attention to the distributor rollers!

2.10 Scratches on the film

Cause / condition	Remedy
Film feed table dirty	Clean and dry film feed table
Guide plates in the tank not correctly positioned or deformed	Check position of guide plates, replace if deformed. Ensure that the angled part of the guide plate protrudes into the provided receptacle of the tank without lying on it
Scratches on one of the guide plates	Replace guide plate



To localize the fault, use unexposed films which you then develop. First open the machine cover. Then take the distributor unit out. Bridge the interlock switch with the service key. Take the film out after the wash water tank and work through each tank towards the film feed point in order to find the cause of the scratches.

Before examining the film, fix and wash by hand, depending on which tank you took the film out of.

2.11 Film surface (visible side) stained or wavy film

Cause / condition	Remedy
Dryer temperature too high	Put the selection switch for dryer output back one or two stages
Trigger control for the IR heaters defect	Check voltage progression in time at ST9, replace control board GS1

2.12 Film is moist when it leaves the machine

Cause / condition	Remedy
Dryer temperature too low	Increase setting of dryer output selection switch
Inadequate replenishment developer fixer	Check/adjust fixer replenishment depending on the format of film mainly being used
Fixer incorrectly mixed or fixer exhausted	Replace fixer in tank and replenishment bottle



A moist film can also be caused by component failure, see previous chapter.

3 General error catalogue (Type 105/155/165/205/285/845)

3.1 Device

3.1.1 Film transport halted

Cause	Remedy
Drive motor or gear defective	Replace drive motor
Developer residues causing feed table to malfunction	Clean feed table

3.1.2 Film transport disrupted

Cause	Remedy
Rack drive interrupted	Check rack drive, connect racks if necessary
Rack units not installed correctly	Remove rack units and install right way round
Spring pin (driver) of roller pair or pairs broken (because of oxidation)	Replace spring pin (No. 6.9236.753.00), clean
Drive not moving freely	Lubricate bearings and worm drive
Distributor roller package not installed	Install distributor roller package

3.1.3 Device is switched on but not operational

Cause	Remedy
Upper housing or cover not closed	Close device correctly. Check power supply

3.1.4 Film jam in dryer

Cause	Remedy
Various causes	Remove distributor roller package and IR emitter unit, remove film

3.1.5 No replenishment and/or dryer without function

Cause	Remedy
Magnetic rollers (Reed contacts) fail to detect film	Replace magnetic rollers (Reed contacts)
Magnetic rollers dirty/cemented	Clean magnetic rollers

3.1.6 Machine is noisy

Cause	Remedy
Main drive shaft, transmission, distributor roller package not moving freely; too much play at driver pins	Lubricate bearings Install spiral pin 6.0243.853.00

3.1.7 Consumption of chemicals excessive

Cause	Remedy
Controller board defective (continuous replenishment)	Replace controller board
Valves or seals of replenisher bottles defective	Replace replenisher bottle(s)

3.1.8 Dryer malfunctioning

Cause	Remedy
Dryer temperature setting incorrect	Turn selector switch to correct setting
Infrared emitter unit not connected	Connect infrared emitter unit
Dryer not fully assembled	Fully assemble dryer
Dryer defective	Call Technical Service

3.1.9 Upper dryer fan runs permanently

Cause	Remedy
As long as the machine is switched on, the upper dryer fan runs permanently in order to avoid condensation on the film feed table.	



no machine problem!

(Also refer to section 5, theory of function)

3.2 Film

3.2.1 Poor film quality

Cause	Remedy
Foreign deposits on rack units	Clean rack units

3.2.2 Light stripes along film

Cause	Remedy
Film transport malfunctioning	Check rack drive

3.2.3 Light and dark strips along film

Cause	Remedy
Rack units incorrectly assembled or installed	Remove and disassemble rack units; reassemble correctly and install right way round

3.2.4 Irregular development

Cause	Remedy
Device not levelled	Adjust machine until exactly level

3.2.5 Density is irregular

Cause	Remedy
Foreign deposits on feed table	Clean feed table
Replenishment rate (developer, fixer) not adjusted to suit film format	Adjust replenishment to suit film format in use

3.2.6 Maximum density cannot be achieved

Cause	Remedy
Exposure not adjusted	Have exposure adjusted by service technician
Bath temperature (developer) too low	Bath heating defective - replace heater
Inadequate replenishment	Adjust replenishment flow rate (replace replenishment pump if necessary)

3.2.7 Density fluctuations

Cause	Remedy
Bath temperature fluctuations (developer) excessive	Replace bath heater (developer)

3.2.8 Film not correctly fixed

Cause	Remedy
Fixer incorrectly mixed or exhausted	Change fixer
No replenishment	Check replenisher tank
Replenishment rate too low	Increase replenishment rate

3.2.9 Inadequate blackening

Cause	Remedy
Film not suitable for process	Use suitable film
Developer incorrectly mixed or too old (excessive ageing)	Change developer
Replenishment malfunction	Check replenisher tank
Bath temperature (developer) too low	Call Technical Service

3.2.10 Contrast too low

Cause	Remedy
Developer preparation incorrect	Change developer
Replenishment malfunctioning	Check replenisher tank
Bath temperature (developer) too low	Call Technical Service

3.2.11 Contrast too high

Cause	Remedy
Developer preparation incorrect	Change developer
Bath temperature (developer) too high	Call Technical Service

3.2.12 Static discharge

Cause	Remedy
Static charge of magnetic rollers (scanning unit) because of climatic conditions (relative humidity < 40 %)	Ground steel axle of magnetic rollers, correct climatic conditions (relative humidity > 40 %)

3.2.13 Smearing

Cause	Remedy
Developer preparation incorrect or contaminated by fixing fluid	Change developer
Bath temperature (developer) too high	Call Technical Service
Light penetrating device	Close cover

3.2.14 Stains on surface of film or film wavy

Cause	Remedy
Dryer temperature too high	Reduce heating by 1 or 2 steps at the heating selector switch
Dryer defective	Call Technical Service
Chemicals incorrectly prepared	Change baths

3.2.15 Film wet

Cause	Remedy
Dryer temperature too low	Increase heating by 1 or 2 steps at the heating selector switch
IR emitter unit not connected	Connect IR emitter unit
Distributor roller package missing	Install distributor roller package
Fixing fluid preparation incorrect or fixing fluid used up	Change fixing-fluid bath
Dryer defective	Call Technical Service

3.2.16 Scratches on film

Cause	Remedy
Foreign deposits on feed table	Clean and dry feed table
Rack units installed incorrectly	Remove rack units and install right way around
Distributor roller package missing	Install distributor roller package

3.2.17 Surface of film contaminated

Cause	Remedy
Chemicals used up or too old	Change chemicals
Algae formation	Meter anti-algae agent
Device (distributor roller package) not cleaned	Clean device (distributor roller package)

3.2.18 Film creased or crumpled

Cause	Remedy
Film handled incorrectly before development	Repeat development procedure with new film

4 Operation errors / handling problems on the machine (Type 105/155/165/205/285/845)

4.1 Films are fogged

Problem: In some cases the rear ventilation slots of the dryer hood are exposed on the film.

Cause: While the processor is developing films, undeveloped films which are placed on the dryer hood are fogged via the IR heaters.

Remedy for CURIX 60: Attaching of new rear covers.

1.

Attach the new rear cover 3 (CM+9.9463.1214.0) on the upper rear tie rod of the dryer crossover:

- Remove the cover of the machine tanks,
- remove the dryer hood,
- and for connection of the cover 3, (refer to figure1).

Introduction as production standard:
Cover 3 CM+9.9463.1214.0

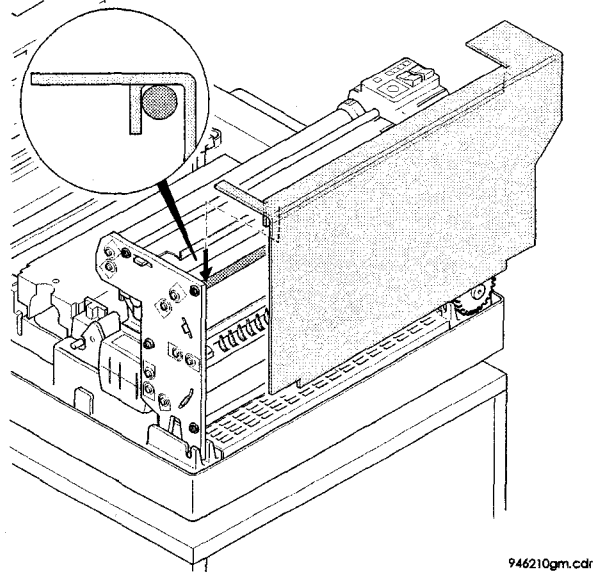


Figure 6.3 - 1

2.

Replace the top cover for the ventilation slots which is installed in the dryer hood (1) by the modified top cover (2) (CM+9.9462.1185.2) (see figure 2).

Introduction as production standard:
Top cover CM+9.9462.1185.2

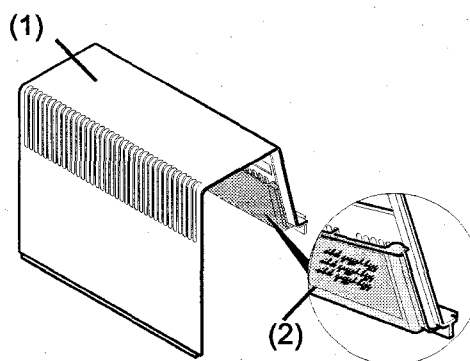
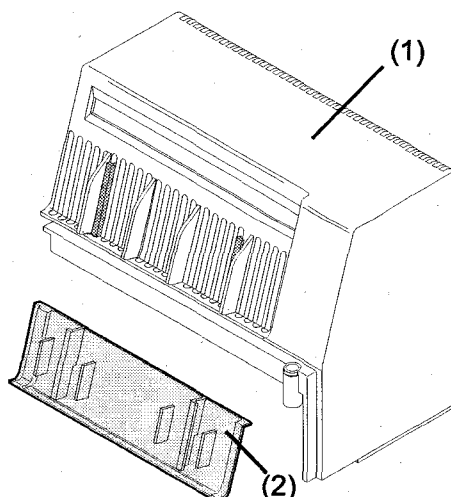


Figure 6.3 - 2

Remedy for
CP 1000 /
CAWO2000IR:

In contrast to the CURIX 60 the exposed films are not stacked on the machine cover, but in a separate film chute. Therefore the machine cover can be used for the deposit of undeveloped films.

The customer must be informed about this.

A modification of the machines is not necessary.

4.2 Short circuit on the Control Board

Problem: possible short circuit

Cause 1 Curix 60 / CP1000: Due to spilling from the machine tanks, and also in case of careless handling in the area of the tank heater/machine tank, the chemicals may run along the cables and reach the Control Board where they can probably cause a short circuit.

Remedy: With the modification kit "strain relief" (CM+9.9463.1130.0) the cables of the tank heaters are installed upwards to the Control Board. Therefore the chemicals can no longer reach the Control Board and thus the short circuit will be prevented.

Assembly:

Remove the screws of the strain relief (1).

Place both cables in the strain relief (1).

Place the modification kit for the strain relief, consisting of the strain relief itself (3), ring (2), and screw (4), on the two cables and screw them to the chassis together with the strain relief (1).

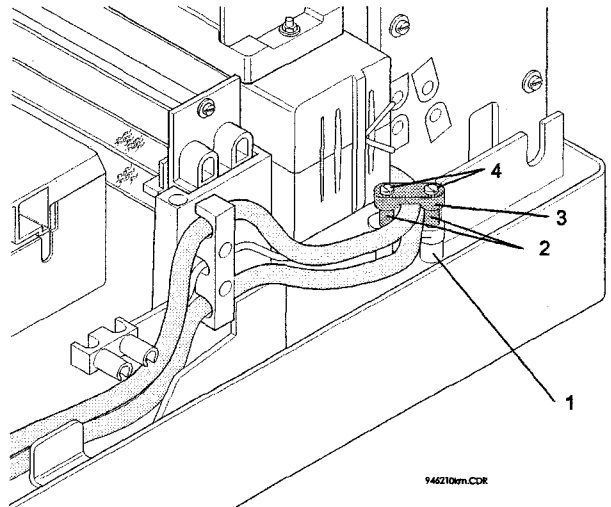


Figure 6.3 - 3

Cause 2 for CP1000: When handling full machine tanks above the dryer, the chemicals may spill on the Control Board.

Remedy: Replacement of the installed open cage cover by the closed cage cover (CM+9.9463.1471.0).

Replacement of the cage cover:

Remove the panels,
remove the exit unit (1)
(fixed by one screw),
and replace the open cage cover (2) by
the closed cage cover (3).

Introduction as production standard:
Closed cage cover CM+9.9463.1471.0

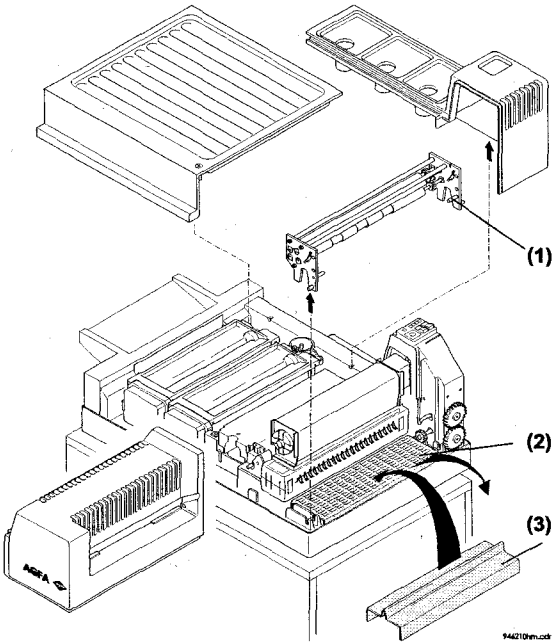


Figure 6.3 - 4

4.3 Broken valves of the replenisher bottles

Cause: The material of the valves has been affected by photochemicals.

Remedy: Introduction of a modified material.

Introduction as production standard:

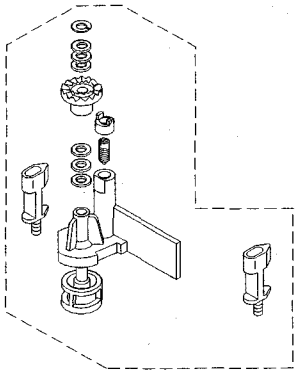
Valve, complete (developer)	CM+9.9432.1070.5
Valve, complete (fixer)	CM+9.9432.1110.5
Valve, complete (water)	CM+9.9432.1090.5

4.4 Pump mounting with latches, introduced as production standard

- Problem:** Problems in the development process due to pumps which have not been cleaned.
- Cause:** The customers do not really accept that they have to open screws in order to clean the pumps.
- Remedy:** Due to the pump connection by means of latches (previously an option) the pumps can now be removed without tools.

Retrofitting:

For the retrofitting in machines installed in the field, the following 3 assemblies must be ordered:



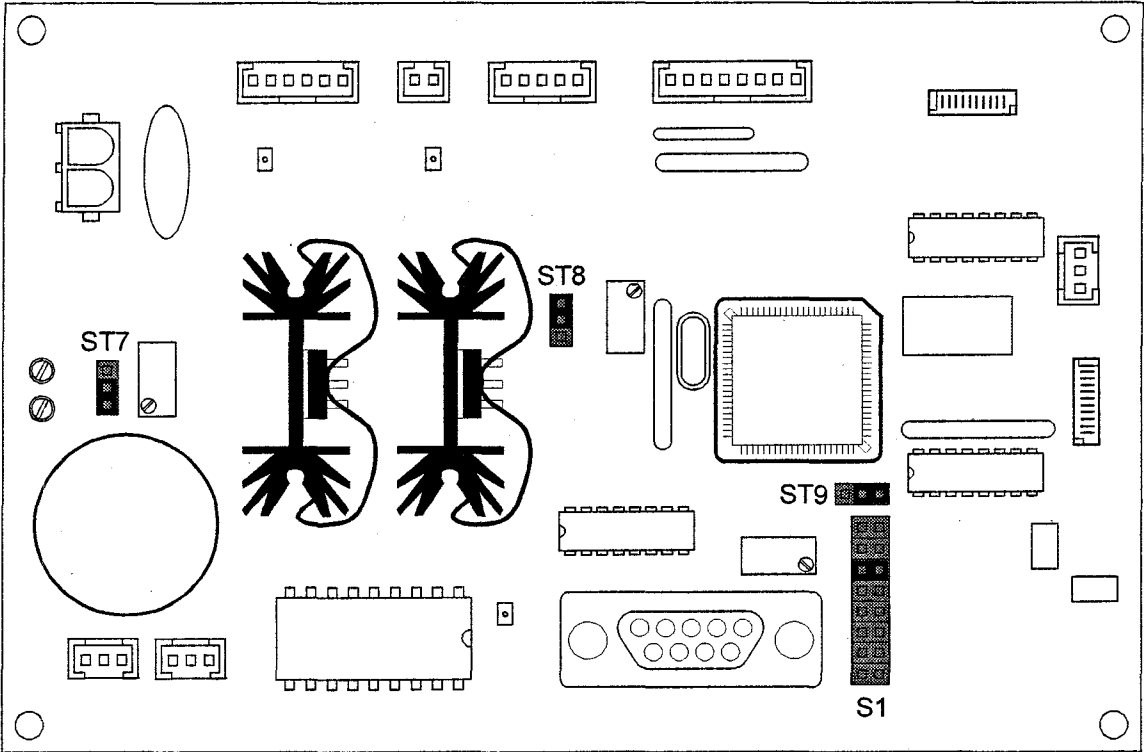
- | | |
|----------------|------------------|
| Developer pump | CM+9.9462.9110.0 |
| Fixer pump | CM+9.9462.9120.0 |
| Water pump | CM+9.9462.9130.0 |

Section 6.4

Contents

1	Switches and codes (only on control board GS1, type 106/206/846).....	1
2	Fuses (only on distributor board GS3, type 106/206/846).....	2
3	Fuses (type 105/155/165/205/285/845).....	3
4	Voltages (type 105/155/165/205/285/845).....	3

1 Switches and codes (only on control board GS1, type 106/206/846)



946264cm.cdr

Firgure 6.4 - 1

Switch	Description	Possible choices
S1	Adjusting full-degree temperatures for the developer solution	29 ... 36 °C, see section 6.6
ST 7	Adjusting circulation pump speed	var / fix, do not change
ST 8	Adjusting main drive speed	var / fix, do not change
ST 9	Adjusting developer temperature	var / fix, see section 6.6

2 Fuses (only on distributor board GS3, type 106/206/846)

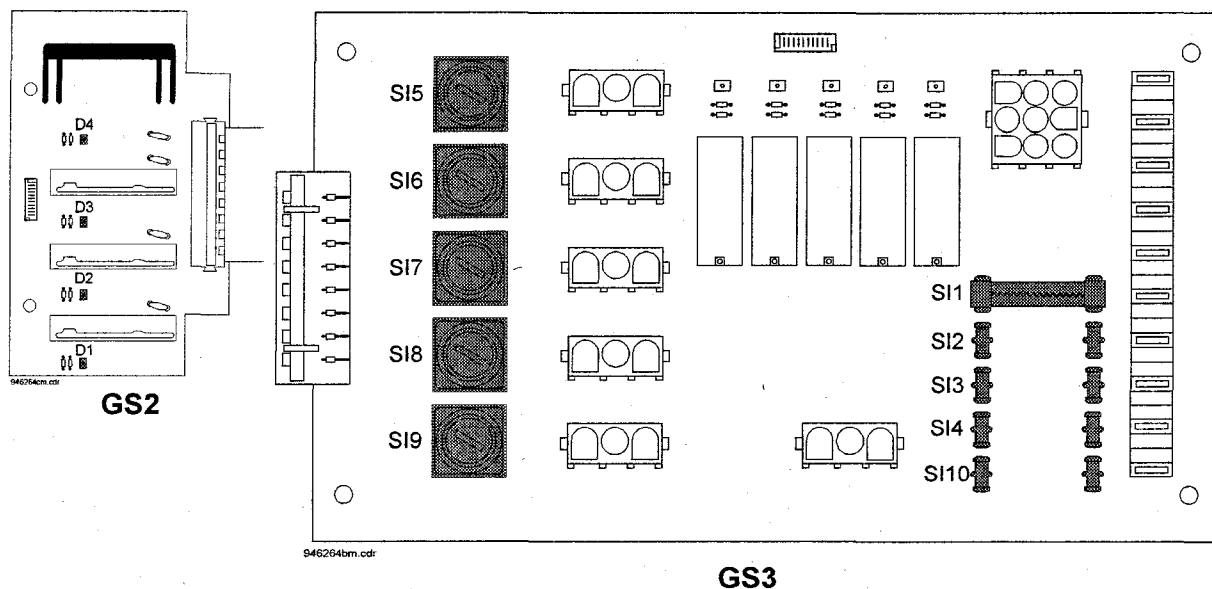


Figure 6.4 - 2

Fuse	Value	Description	Control diode
SI1	6.25 A slow	Mains connection 230*	
SI2	6.25 A slow	Mains connection 208 V*	
SI3	6.25 A slow	Mains connection 200 V*	
SI4	6.25 A slow	Mains connection 120 V*	
SI10	6.25 A slow	Mains connection 100 V*	
SI5	6.25 A slow	IR heater	D4 on GS2
SI6	400 mA slow	Lower dryer fan	D2 on GS2
SI7	400 mA slow	Upper dryer fan	
SI8	700 mA slow	External replenishment	D3 on GS2
SI9	2.5 A slow	Developer heater	D1 on GS2

*Only one position for fuses SI1 to SI4 and SI10 is occupied.

3 Fuses (type 105/155/165/205/285/845)

Fuse	Type 165/845 at 120 V	Type 105/155/205/285 at 230 V	Component	Plug	LED
Si 1	T 2,5 A (slowbl.)	T 1,6 A	Heater DEV	St 5	D 8
Si 2	T 0,5 A (slowbl.)	T 0,4 A	Drive	St 6	
Si 3	T 2,5 A (slowbl.)	T 1,6 A	Heater Fix	St 7	
Si 4	T 6,25 A (slowbl.)	T 4 A	Dryer heater	St 17/8/5	D 9
Si 5	T 1 A (slowbl.)	T 1 A	Transformer		
Si 6	T 0,5 A (slowbl.)	T 0,4 A	Lower fan	St 4	D 10
Si 7	T 0,5 A (slowbl.)	T 0,4 A	Upper fan	St 3	
Si 8	T 1,25 A (slowbl.)	T 0,7 A	Opt. ext. replenishm.	St 10	D 12

4 Voltages (type 105/155/165/205/285/845)

Voltage	Measuring point	Consumers
~120 V	GS1.XK1/1, 1.XK1/2	Drive motor Infrared dryer Overheat cut-out Bath heater Blower
~230 V	GS1.XK1/1, 1.XK1/2	Drive motor Infrared dryer Overheat cut-out Bath heater Blower
+12 V / +22 V*	GS1 MP3 +12 V / +22 V DC MP2 GND	Replenishment pump
+5 V, stabilized	GS1 MP1 +5 V MP2 GND	Electronics Surface scanning unit

* at a speed of 360 rpm ----> 12 V
 at a speed of 720 rpm ----> 22 V

Section 6.5

Section 6.5 is not applicable to this documentation.

Section 6.6

Contents

- 1 Adjusting the solution temperatures.....1**
 - 1.1 Access to the control boards in CURIX 60.....1**
 - 1.2 Access to the control boards in CP 1000.....3**
 - 1.3 Developer: electronic adjustment5**
 - 1.3.1 Adjusting a temperature (full degrees)6
 - 1.3.2 Adjusting a temperature (1/10 degrees).....7
 - 1.4 Fixer: electromechanical adjustment.....8**
 - 1.5 Adjusting the replenishment rate10**
 - 1.5.1 Check the replenishment rates10
 - 1.5.2 Adjusting the replenishment pump.....12
- 2 Adjusting the developer/fixer temperatures (Type 105/155/165/205/285/845) ..14**

1 Adjusting the solution temperatures

1.1 Access to the control boards in CURIX 60

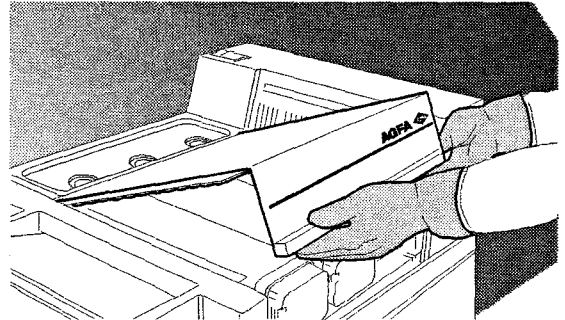


Always wear protective gloves, apron and goggles when handling chemicals!

Remove the machine cover.



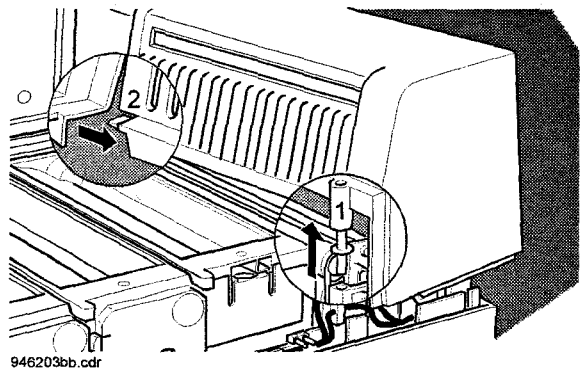
In doing so, the interlock switch on the right of the machine cover triggers and switches off the power supply to the machine.



946212em.cdr

Figure 6.6 - 1

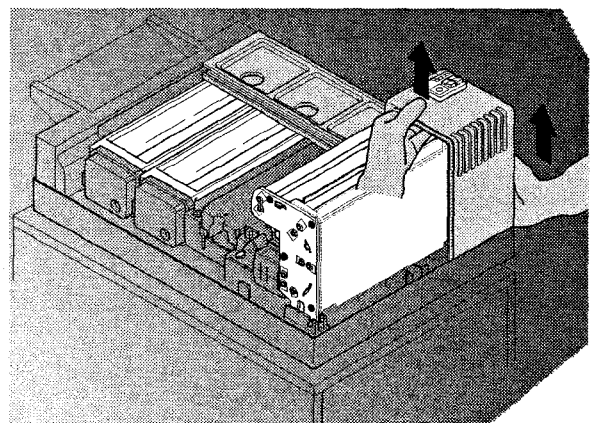
Carefully lift the dryer housing up to pull the interlock switch ① out of its guide..
Pull the dryer housing to the right ② out of its holding groove



946203bb.cdr

Figure 6.6 - 2

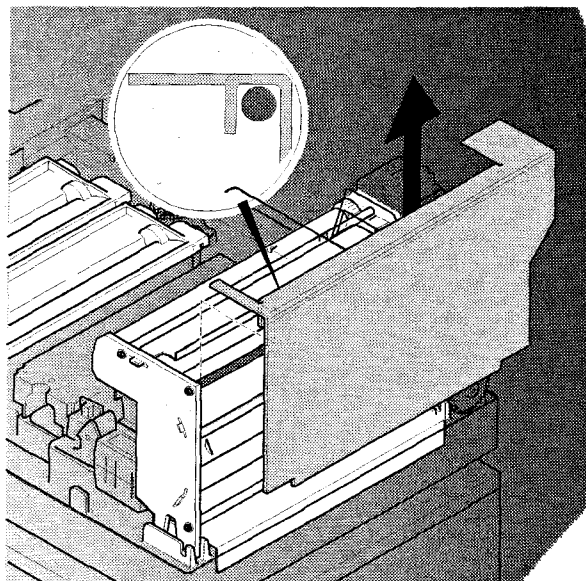
Remove the cover of the gear box after loosening two screws.



946203sm.cdr

Figure 6.6 - 3

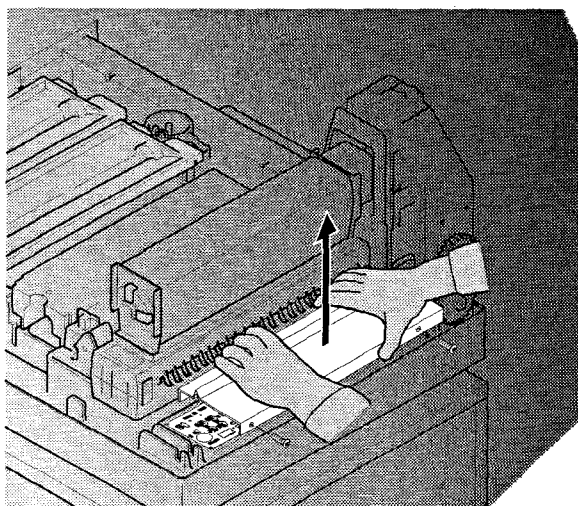
Lift the panel at the rear tie rod and remove.
Now the crossover section can be removed.



946212ak.cdr

Figure 6.6 - 4

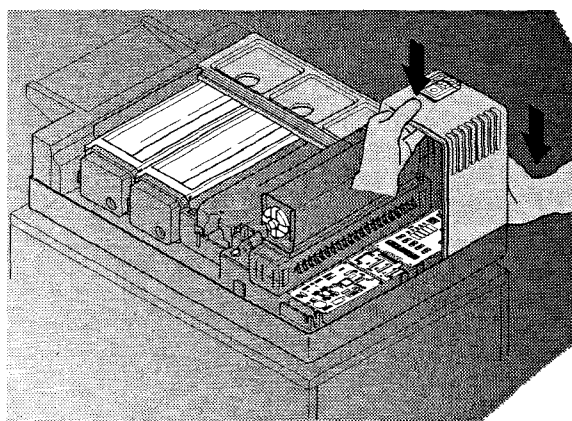
Remove the cover after loosening two screws.



946203vm.cdr

Figure 6.6 - 5

Replace gear box cover.



946203tm.cdr

Figure 6.6 - 6

Section 7

contains:

- An alphanumeric reference list
- Reference diagrams for the identification and location of assemblies in the machine
- Block diagrams

Section 7

Contents

1	Codes (Type 106/206/846).....	1
1.1	List of Component Codes (Type 106/206/846)	1
1.2	Control board GS1 (Type 106/206/846).....	2
1.2.1	Components on control board GS1 (potentiometers, switches and LEDs).....	2
1.2.2	Components on control board (plugs).....	3
1.3	Power circuit board GS2 (Type 106/206/846).....	4
1.3.1	Components on power circuit board GS2 (LED, plugs).....	4
1.4	Distributor board GS3 (Type 106/206/846)	5
1.4.1	Components on distributor board GS3 (fuses, LEDs)	5
1.4.2	Components on distributor board GS3 (plugs, jacks).....	6
1.5	Code drawings (Type 106/206/846).....	7
1.5.1	Top view CX 60 and CP 1000.....	7
1.5.2	Bottom view CX 60 and CP 1000.....	8
2	Codes (Type 105/165/165/205/285/845).....	9
2.1	List of component codes (Type 105/155/165)	9
2.2	Block diagram for CURIX 60 (Type 105/155/165)	10
2.3	List of component codes CP 1000 (Type 9462/205/285/845).....	11
2.4	Block diagram for CP 1000 (Type 9462/205/285/845)	12
2.5	Controller boards GS1 (Type 105/155/165/205/285/845).....	13
3	Circuit diagrams.....	14

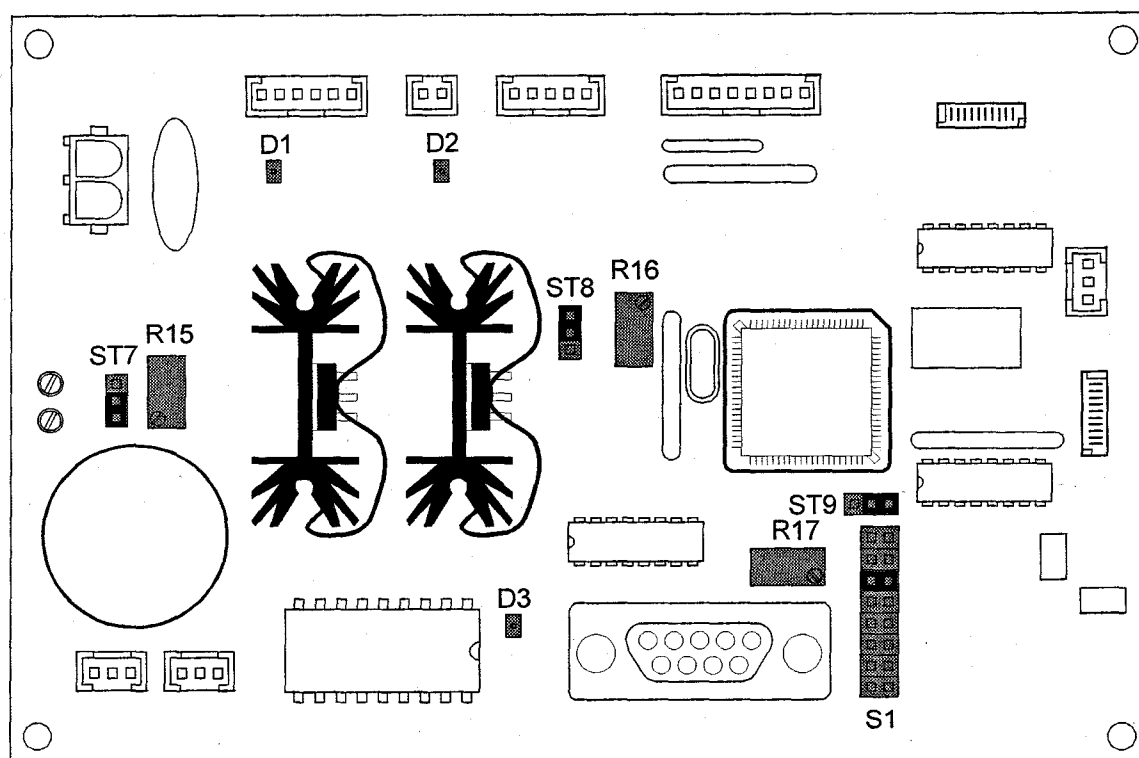
1 Codes (Type 106/206/846)

1.1 List of Component Codes (Type 106/206/846)

Code	Designation
M1	Drive motor
M2	Replenishment pump
HZ1	Heater (developer)
HZ2	Heater (fixer)
S1	Interlock switch
5HZ1	Infrared dryer (upper part)
5HZ2	Infrared dryer (lower part)
5M1	Dryer fan (top)
5M2	Dryer fan (bottom)
GS IR	Selection switch for dryer output
S2	Main switch (ON/OFF switch)
S3	Replenishment button (replenishment cycle with film stop lamp LA)
1S1, 1S2	Roller scanning with film feed detection (reed contacts)
GS1	Control board
GS2	Power circuit board
GS3	Distributor board
TR1	Transformer
MC1	Interference suppression filter
XK1	Power supply terminal strip
NTC EL5	Current limiter
PE1 ... PE4	Protective conductor connections

1.2 Control board GS1 (Type 106/206/846)

1.2.1 Components on control board GS1 (potentiometers, switches and LEDs)



94620fm.cdr

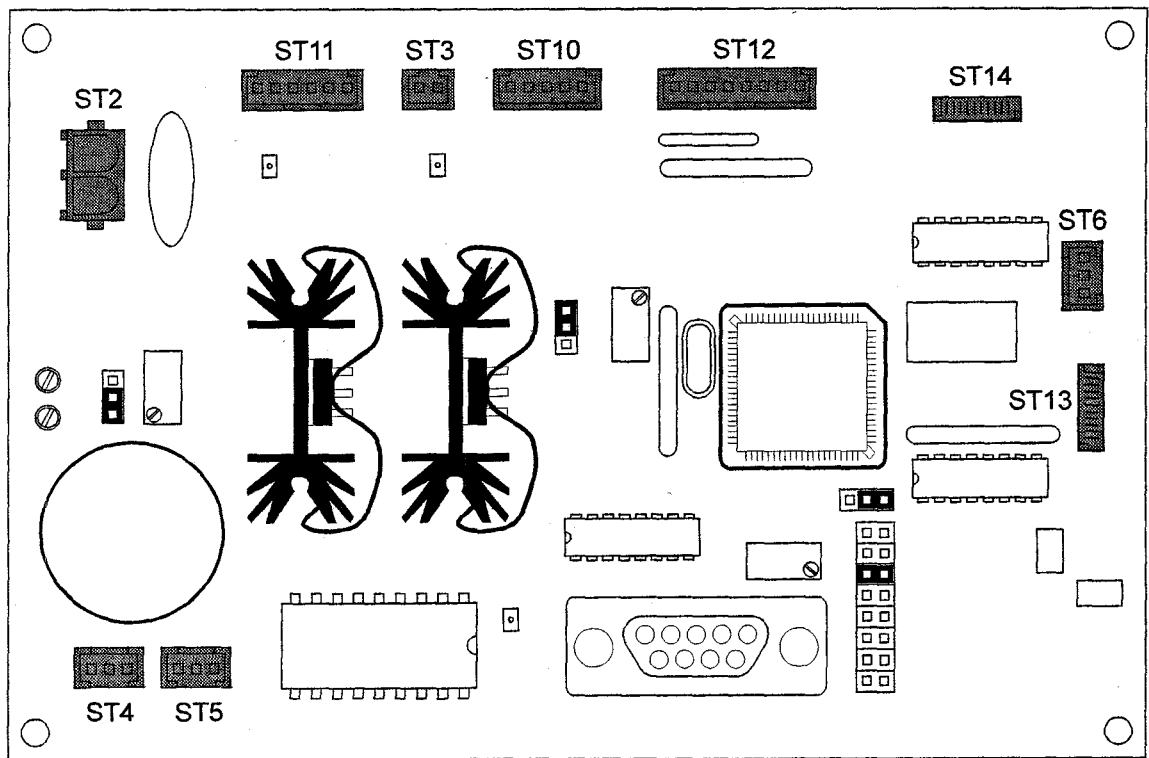
Figure 7 - 1

Switch	Description
S1	Adjustment of full-degree temperatures for the developer solution
ST7	Adjustment of circulation pump speed
ST8	Adjustment of main drive speed
ST9	Adjustment of developer temperature

Potentiometer	Description
R15	Circulation pump speed
R16	Main drive speed
R17	Adjustment of fractions for temperature of developer solution

LED	Description
D1	Circulation pump
D2	Main drive
D3	+5V DC power supply

1.2.2 Components on control board (plugs)



946207hm.cdr

Figure 7 - 2

Plug	Description
ST2	+24 V, 1.,5 A
ST3	Main drive
ST4	Temperature sensor, developer
ST5	Temperature sensor, fixer
ST6	Service button
ST10	Film feed detection
ST11	Circulation pump
ST12	Selection switch for dryer output and replenishment button
ST13	Connection to solid state relay board GS2
ST14	Connection to distributor board GS3

1.3 Power circuit board GS2 (Type 106/206/846)

1.3.1 Components on power circuit board GS2 (LED, plugs)

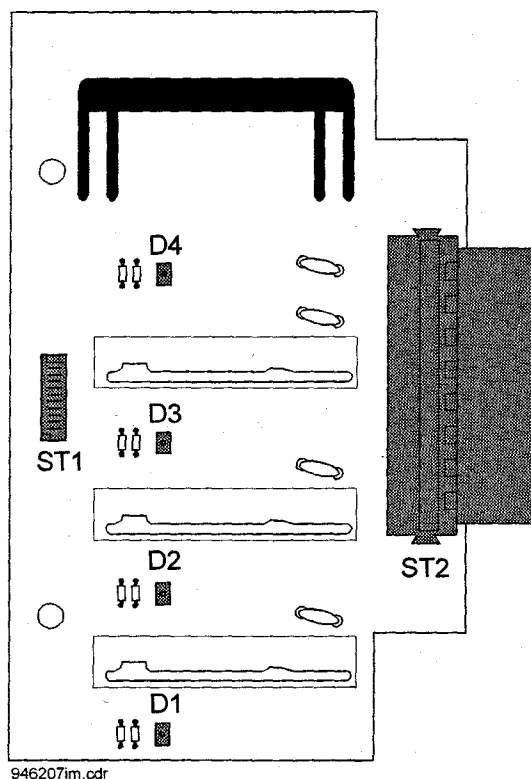


Figure 7 - 3

LED	Description
D1	Solid state relay, developer heater
D2	Solid state relay, dryer fan, bottom
D3	Solid state relay, external replenishment pump
D4	Solid state relay IR unit

Plug	Description
ST1	Connection to control board GS1
ST2	Connection to distributor board GS3

1.4 Distributor board GS3 (Type 106/206/846)

1.4.1 Components on distributor board GS3 (fuses, LEDs)

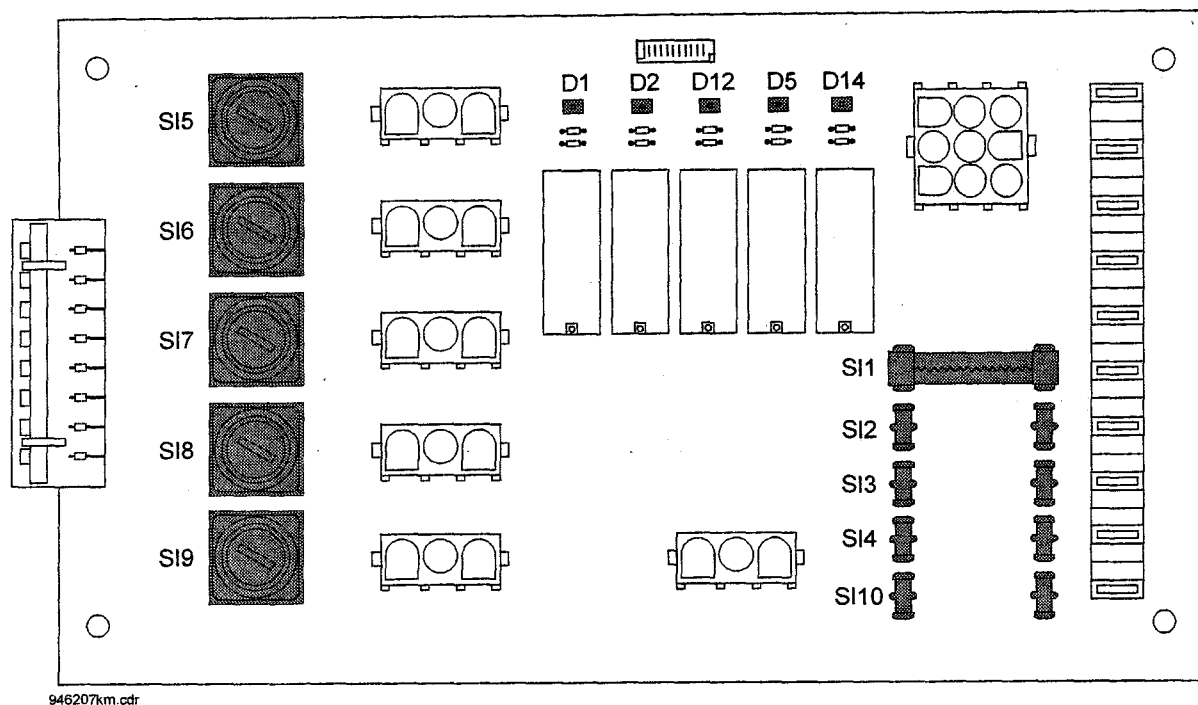


Figure 7 - 4

Fuse	Value	Description
SI1	6.25 A slow	Mains connection 230 V
SI2	6.25 A slow	Mains connection 208 V
SI3	6.25 A slow	Mains connection 200 V
SI4	6.25 A slow	Mains connection 120 V
SI5	6.25 A slow	IR heater
SI6	400 mA slow	Dryer fan, bottom
SI7	400 mA slow	Dryer fan, top
SI8	700 mA slow	External replenishment
SI9	2.5 A slow	Developer heater
SI10	6.25 A slow	Mains connection 100 V

LED	Description
D1	Relay RS1, dryer stages
D2	Relay RS2, dryer stages
D5	Relay RS4, dryer stages
D12	Relay RS3, dryer stages
D14	Relay RS5, dryer stages

1.4.2 Components on distributor board GS3 (plugs, jacks)

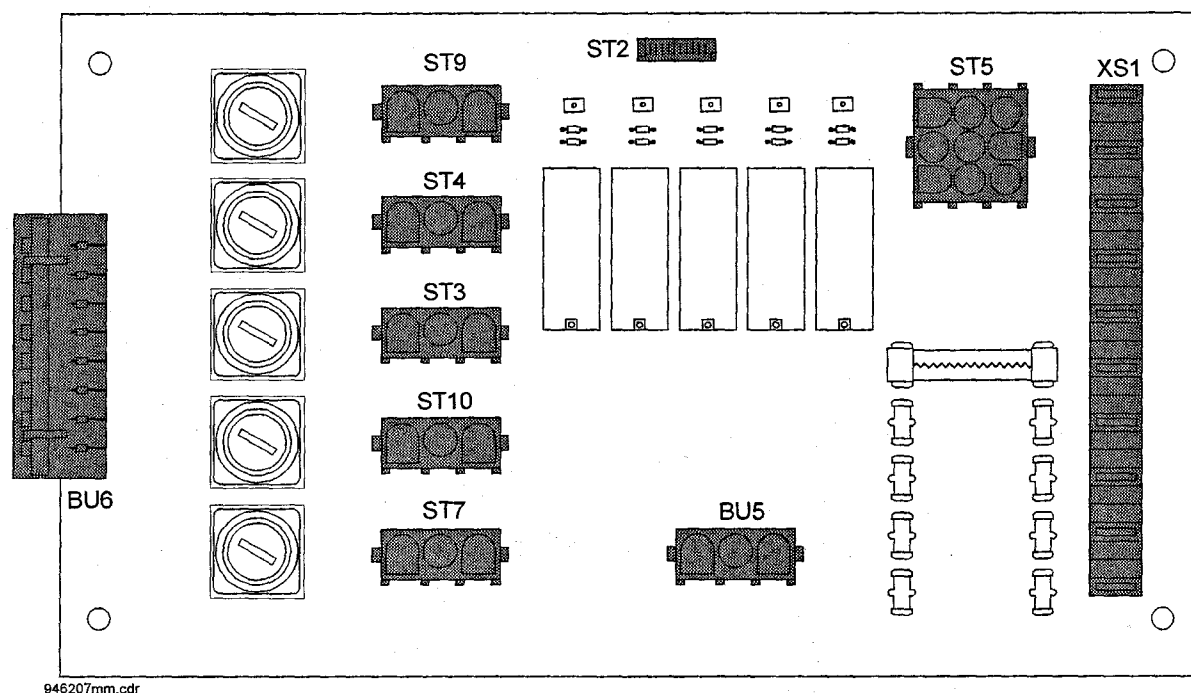


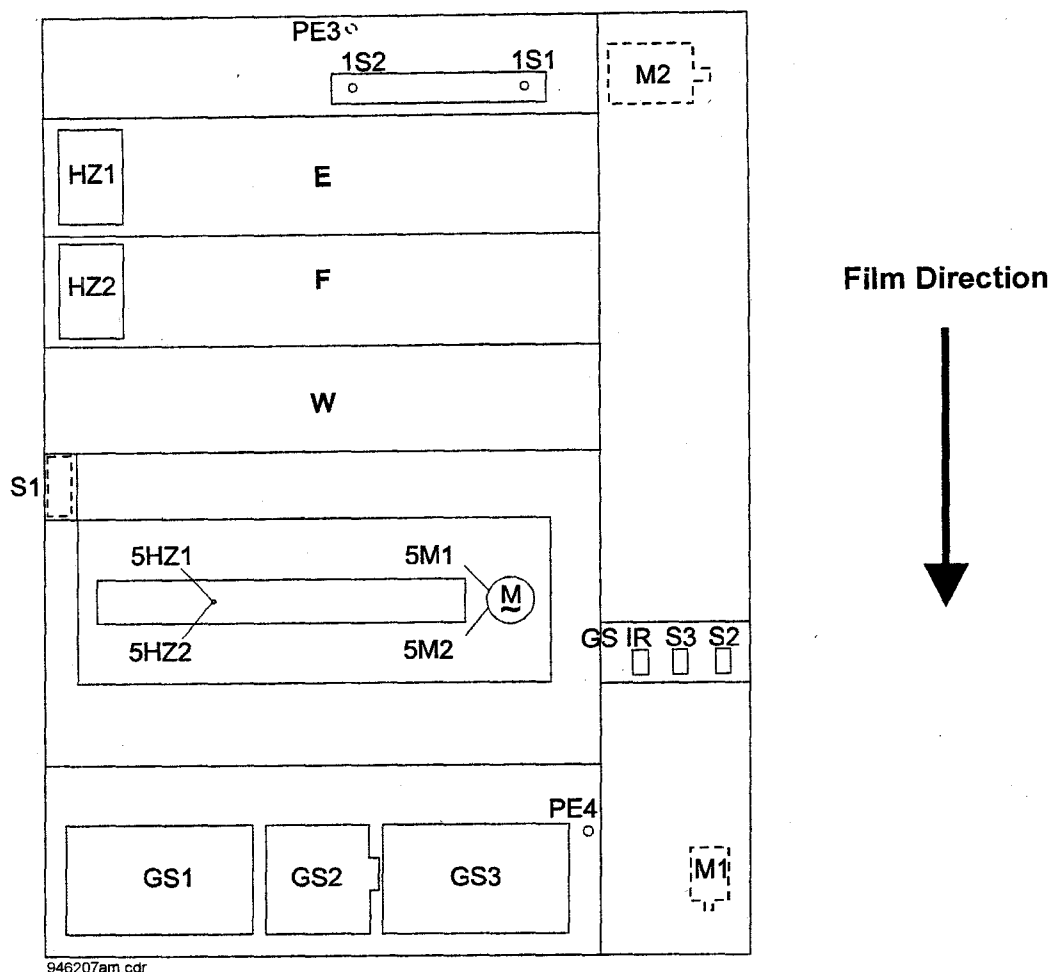
Figure 7 - 5

Plug	Description
ST2	Connection to control board GS1
ST3	Dryer fan, top
ST4	Dryer fan, bottom
ST5	Transformer
ST7	Fixer heater
ST9	IR heater
ST10	External replenishment (option)
XS1	Power supply

Jack	Description
BU5	Developer heater
BU6	Connection to power circuit board GS2

1.5 Code drawings (Type 106/206/846)

1.5.1 Top view CX 60 and CP 1000

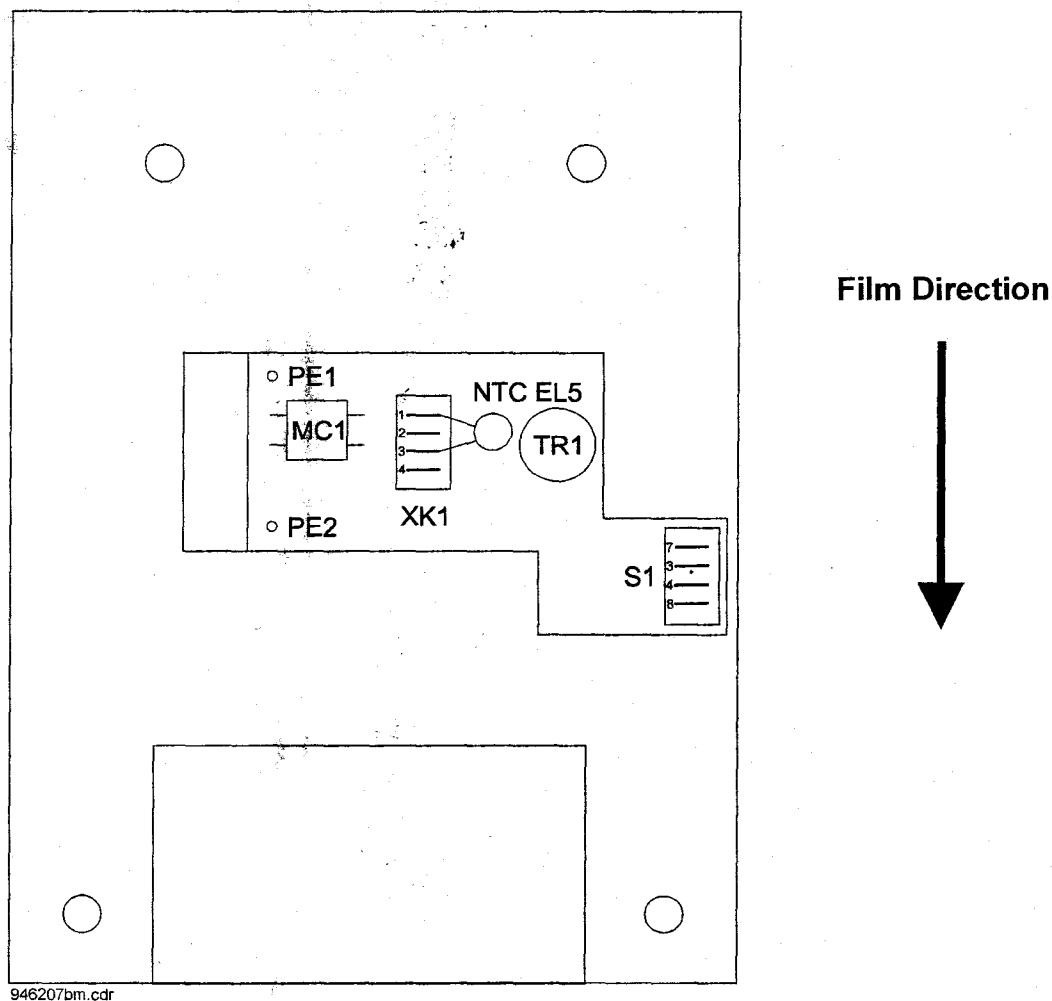


946207am.cdr

Figure 7 - 6

Code	Designation	Code	Designation
M1	Drive motor	GS1	Control board
M2	Circulation pump	GS2	Power circuit board
S1	Interlock switch	GS3	Distributor board
S2	Mains switch	GS IR	Selector switch for dryer output
S3	Replenishment button	PE3	Protector conductor connection
1S1/1S2	Roller scanning for film feed detection	PE4	Protector conductor connection
HZ1	Heater developer	5HZ1	IR heater top
HZ2	Heater fixer	5HZ2	IR heater bottom
5M1	Dryer fan top		
5M2	Dryer fan bottom		

1.5.2 Bottom view CX 60 and CP 1000



946207bm.cdr

Figure 7 - 7

Code	Designation	Code	Designation
MC1	Interference suppression filter	S1	Interlock switch
XK1	Power supply terminal strip	PE1	Protective conductor connection
NTC EL5	Current limiter	PE2	Protective conductor connection
TR1	Transformer		

2

Codes (Type 105/165/165/205/285/845)

2.1

List of component codes (Type 105/155/165)

Component	Designation	Connected at
M1	Drive motor	ST6
M2	Replenishment pump	ST18
	Grounding feed table	ST17/19
H _z 1	Heater (developer)	ST5
H _z 2	Heater (fixer)	ST7
S1	Lid switch	ST8
5.H _z 1	Infrared dryer (top)	5.ST5
5.H _z 2	Infrared dryer (bottom)	5.ST6
5.M1	Blower (top)	5.ST3
5.M2	Blower (bottom)	5.ST4
5.Si1	Infrared dryer (overheat cut-out)	5.ST5
5.Si2	Infrared dryer (overheat cut-out)	5.ST6
GS2	Heating selector switch	ST12
S2	Main switch (On/Off switch)	ST17
6.S3	Replenishment button (film-stop lamp LA)	ST12
S4/5	Roller scanning unit (Reed contacts)	ST16
GS1	Controller board	
	Temperature sensor developer	ST9
2.TR1	Type 9462/105/155: transformer 200/230 V Type 9462/165: transformer 100/120 V	S1/3/7 - S2/4/5 S1/3/7 - S2/4/5
	Service button (service program)	ST22

2.2 Block diagram for CURIX 60 (Type 105/155/165)

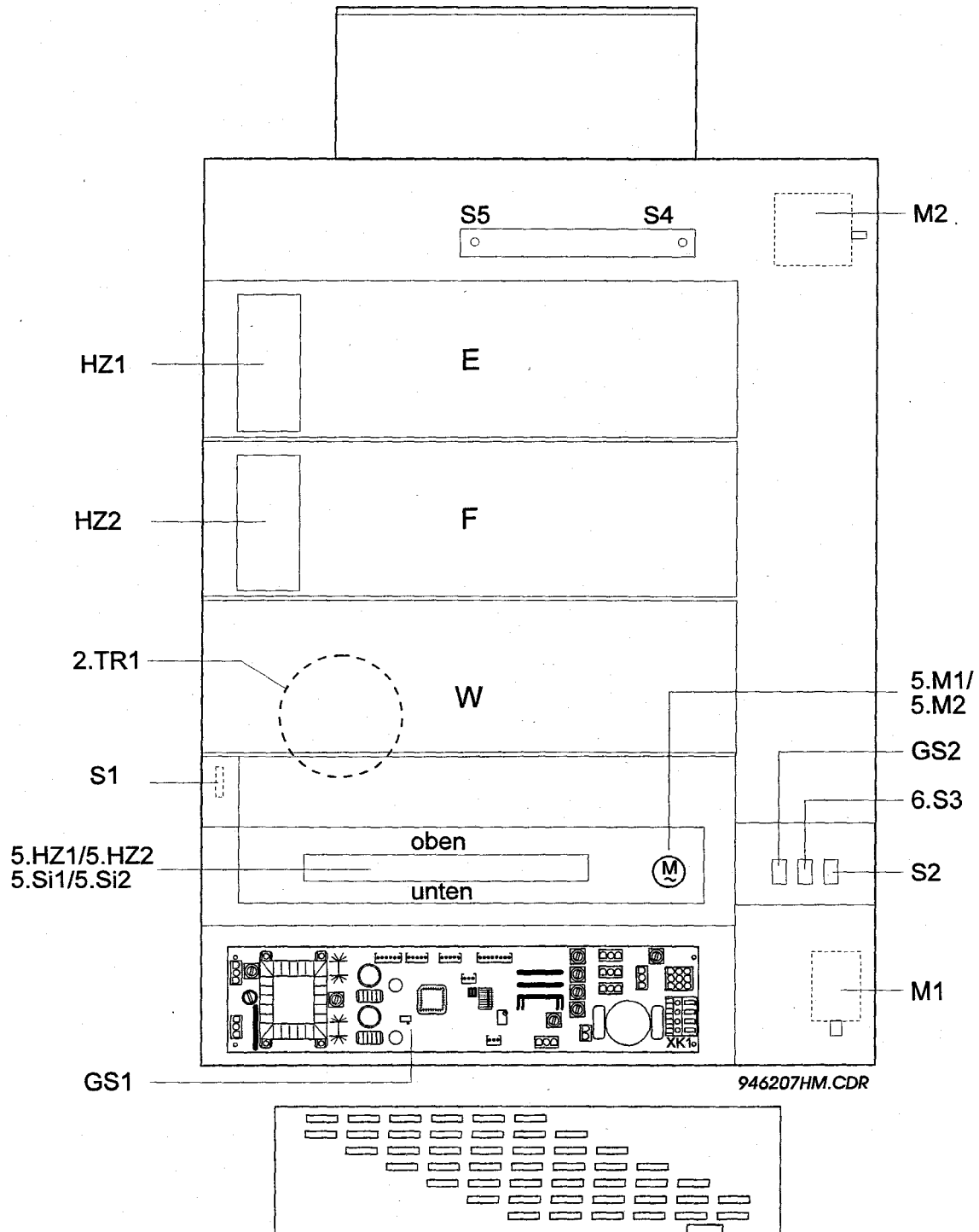


Figure 7 - 8

2.3 List of component codes CP 1000 (Type 9462/205/285/845)

Component	Designation	Connected at
M1	Drive motor	ST6
M2	Replenishment pump	ST18
	Grounding feed table	ST17/19
H _z 1	Heater (developer)	ST5
H _z 2	Heater (fixer)	ST7
S1	Lid switch	ST8
5.H _z 1	Infrared dryer (top)	5.ST5
5.H _z 2	Infrared dryer (bottom)	5.ST6
5.M1	Blower (top)	5.ST3
5.M2	Blower (bottom)	5.ST4
5.Si1	Infrared dryer (overheat cut-out)	5.ST5
5.Si2	Infrared dryer (overheat cut-out)	5.ST6
GS2	Heating selector switch	ST12
S2	Main switch (On/Off switch)	ST17
6.S3	Replenishment button (film-stop lamp LA)	ST12
S4/5	Roller scanning unit (Reed contacts)	ST16
GS1	Controller board	
	Service button (service program)	ST22

070613482

2.4 Block diagram for CP 1000 (Type 9462/205/285/845)

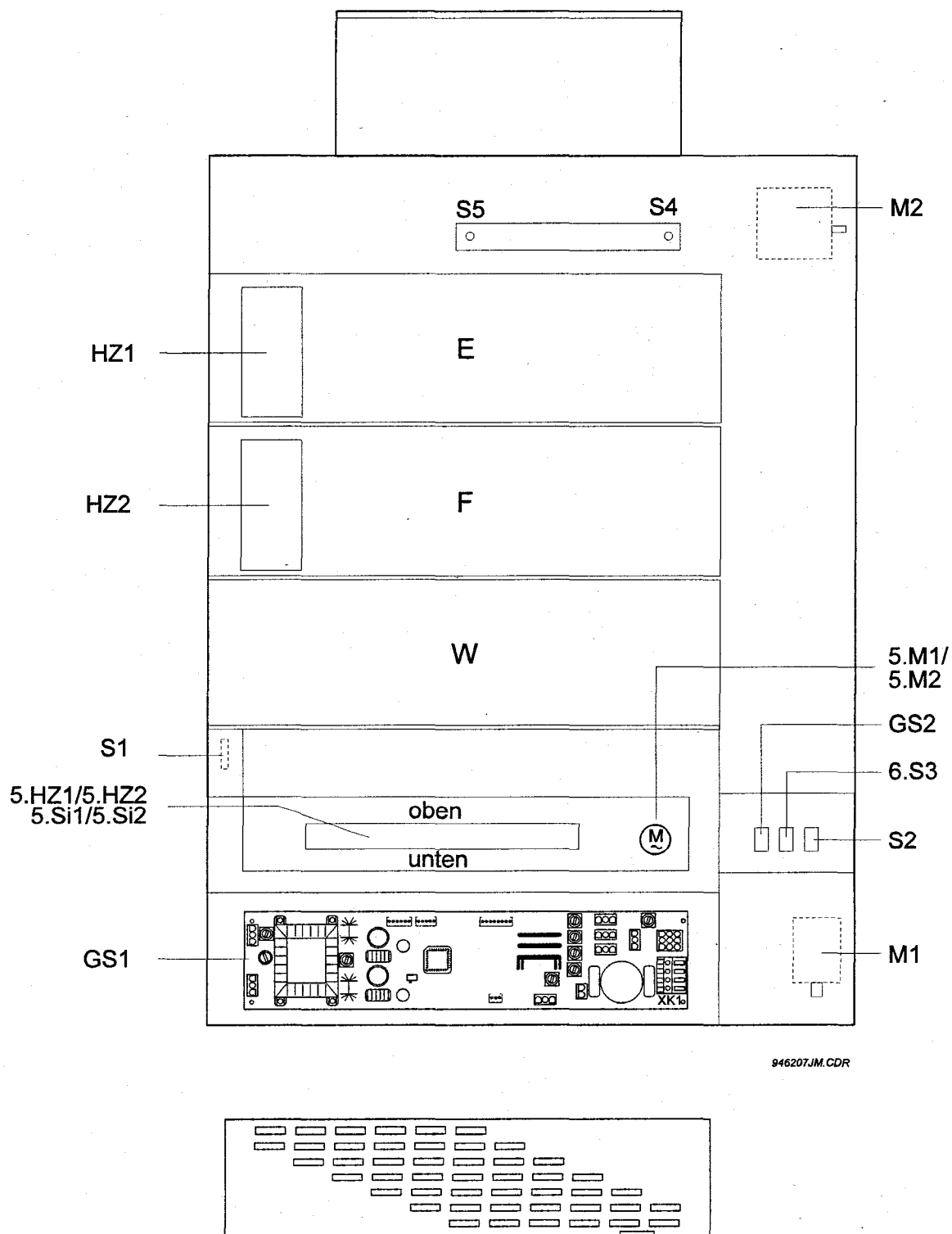


Figure 7 - 9

2.5 Controller boards GS1 (Type 105/155/165/205/285/845)

CURIX 60

CP 1000

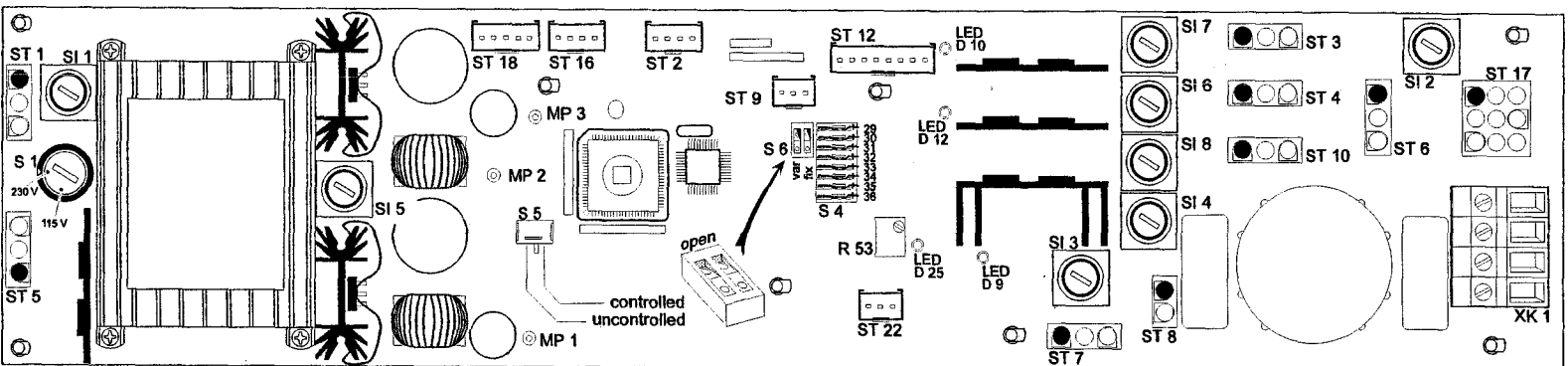


Figure 7 - 10

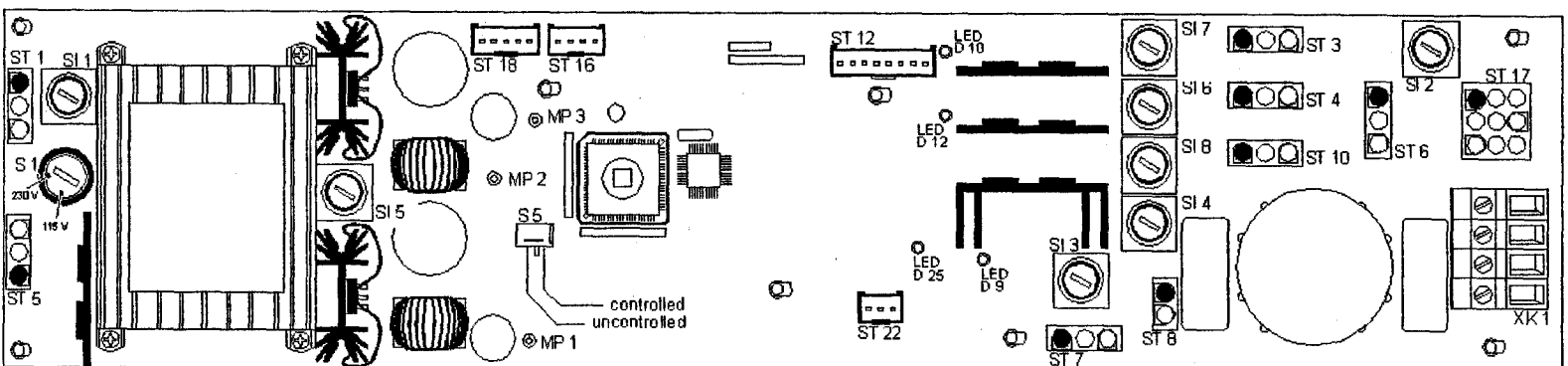
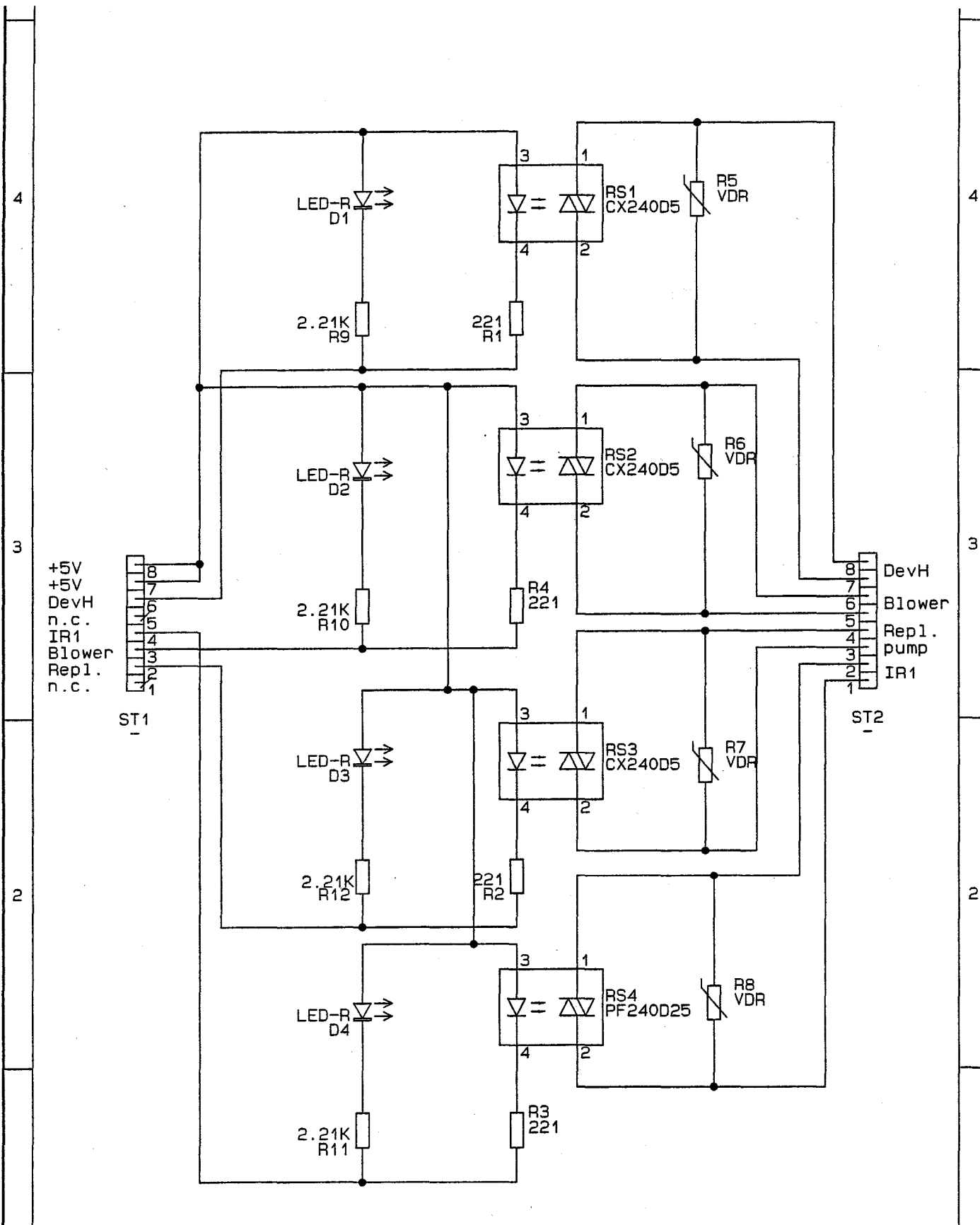


Figure 7 - 11

3 Circuit diagrams

Designation	Type	No
General circuit diagram	9462 / 106/206/846	F1.9463.5003.0
Circuit diagram controller board GS1	9462 / 106/206/846	F1.9463.5253.0
Circuit diagram power circuit board GS2	9462 / 106/206/846	F1.9463.5303.0
Circuit diagram distributor board GS3	9462 / 106/206/846	F1.9463.5323.0
General circuit diagram	9462 / 105/155/165/205/285/845	F1.9463.2603.0



				DATUM	NAME	Solid_State_relay	TYP
			BEARB	20.07.00	Kurtz	Curix 60	9463
			GEPR			Flickerfrei	
			NORM				
0	15919			AGFA-GEVAERT		F1.9463.5303.0	
				FOTOTECHNIK			
AE-Z	AE-NR	DATUM	NAME	MUENCHEN		ERSATZ FUER	

Section 8

contains exploded drawings for the identification of the spare parts in the machine with order numbers

Spare Parts Kits

1. Types of spare parts kits

The Spare parts kits are a selection of functionally important parts from the spare parts list, recommended by the manufacturer.

Technical characteristics and contents of the spare parts kits are subject to the notification service for technical modifications.

- **R** `repair` → parts required for repair
- **I** `installation` → machine specific parts for the machine installation which are not included in the machine shipment
- **M** `maintenance` → parts required for maintenance, including machine specific materials and lubricants
- **L** `local stock` → strategically important or bulky parts which should be kept at hand in the central warehouse

The R kit is the kit which the technician should keep in the car = car stock.

The kits I and M can be added to the car stock.

As an alternative they can also be kept as separate (suitcases) stocks, ready for access in case of an installation or maintenance job (calls which can be planned ahead).

Depending on the technology there may be additional kits for a machine as e.g. 50, 60 Hz parts.

For order numbers for additional kits (if relevant) refer to item 5.

2. Quantities

All these kits represent the initially required quantities calculated for 1-10 machines.

We recommend to adapt the quantities individually, always depending on the following parameters:

- Number of machines
- Size of the service area to be covered
- Service structure (centralized/decentralized)
- Stock time and stock type
- Number of maintenance contracts (this only applies to the M kit)

3. Ordering procedure

- The available kits are listed in item 5.
- Orders by Agfa agencies: We recommend to order the parts not by the kit number but to order the individual parts according to demand.
- For each individual spare parts kit there is a parts listing available upon request at the central logistics department in Munich. Ordering address → see item 4

4. Ordering address

LOG-T, Munich
 Tegernseer Landstr.161
 81536 Munich
 Tel.: +49 - 89 - 6207 3760
 Fax.: +49 - 89 - 6207 7388

For company connected ordering the parts have to be ordered via the national logistics department.

5. Listing of spare parts kits

CM+094620105731	Curix 60 / 230V 50Hz	Kit R	Version 2.0
CM+094620105734	Curix 60 / 230V 50Hz	Kit L	Version 2.0
CM+094620105735	Curix 60 / 230V 50Hz	Additional Kit	Version 2.0
CM+094620155731	Curix 60 / 230V 50Hz	Kit R	Version 2.0
CM+094620155734	Curix 60 / 230V 50Hz	Kit L	Version 2.0
CM+094620155735	Curix 60 / 230V 50Hz	Additional Kit	Version 2.0
CM+094620165731	Curix 60 / 100V 60Hz	Kit R	Version 2.0
CM+094620165734	Curix 60 / 100V 60Hz	Kit L	Version 2.0
CM+094620165735	Curix 60 / 100V 60Hz	Additional Kit	Version 2.0
CM+094620205731	CP 1000 / 230V 50Hz	Kit R	Version 2.0
CM+094620205734	CP 1000 / 230V 50Hz	Kit L	Version 2.0
CM+094620205735	CP 1000 / 230V 50Hz	Additional Kit	Version 2.0
CM+094620285731	CP 1000 / 230V 60Hz	Kit R	Version 2.0
CM+094620285734	CP 1000 / 230V 60Hz	Kit L	Version 2.0
CM+094620285735	CP 1000 / 230V 60Hz	Additional Kit	Version 2.0
CM+094620845731	CP 1000 / 120V 60Hz	Kit R	Version 2.0
CM+094620845734	CP 1000 / 120V 60Hz	Kit L	Version 2.0
CM+094620845735	CP 1000 / 120V 60Hz	Additional Kit	Version 2.0
CM+094620106731	Curix 60 / 200-240V 50/60Hz	Kit R	Version 1.0
CM+094620106734	Curix 60 / 200-240V 50/60Hz	Kit L	Version 1.0
CM+094620106735	Curix 60 / 200-240V 50/60Hz	Additional Kit	Version 1.0
CM+094620206731	CP 1000 / 200-240V 50/60Hz	Kit R	Version 1.0
CM+094620206734	CP 1000 / 200-240V 50/60Hz	Kit L	Version 1.0
CM+094620206735	CP 1000 / 200-240V 50/60Hz	Additional Kit	Version 1.0
CM+094620846731	CP 1000 / 100-120V 50/60Hz	Kit R	Version 1.0
CM+094620846734	CP 1000 / 100-120V 50/60Hz	Kit L	Version 1.0
CM+094620846735	CP 1000 / 100-120V 50/60Hz	Additional Kit	Version 1.0

1. Types de kits

Les kits comprennent des pièces recommandées par le fabricant dont le fonctionnement est important et qui ont été sélectionnées dans la liste des pièces détachées.

Les caractéristiques techniques et le contenu des kits de pièces détachées sont gérés par le service technique.

- **R** `réparation` → pièces requises pour la réparation
- **I** `installation` → pièces spécifiques à la machine et nécessaires pour son installation qui ne sont pas contenues dans la livraison
- **M** `maintenance` → pièces requises pour la maintenance, y compris les moyens auxiliaires et les lubrifiants spécifiques à la machine
- **L** `local stock` → pièces stratégiques ou encombrantes qui devraient être stockées dans le magasin central

Le kit R est le kit que le technicien devrait avoir dans sa voiture = car stock.

Les kits I et M peuvent être ajoutés au stock de voiture.

Autre possibilité: ces kits peuvent être conservés à part, dans des valises, auxquelles il est possible d'accéder en cas d'installation ou de révision (pour interventions prévues d'avance).
Suivant la technologie il peut y avoir des kits spéciaux pour un appareil par ex. pièces pour 50, 60 Hz.

Vous trouvez sous le point 5 les références de ces kits (si significatives).

2. Quantités

Tous ces kits représentent les quantités requises initialement, calculées pour 1 à 10 machines. Nous vous recommandons d'adapter les quantités individuellement d'après les paramètres suivants:

- Nombre de machines
- Superficie de la zone d'intervention du technicien
- Structure du service technique (centralisé/décentralisé)
- Temps et type d'approvisionnement des stocks
- Nombre de contrats d'entretien (n'est valable que pour le kit M)

3. Méthode pour passer commande

- Les kits disponibles sont indiqués au point 5.
- pièces détachées par le numéro du kit mais individuellement, selon les besoins.
- Une liste de pièces détachées de chaque kit est mise à disposition, sur demande, à partir du centre de logistique de Munich. Adresse: → voir le point 4.

4. Adresse pour la commande

LOG-T, Munich
 Tegernseer Landstr.161
 81536 Munich
 Tel.: +49 - 89 - 6207 3760
 Fax.: +49 - 89 - 6207 7388

Les commandes des pièces pour les membres de la société AGFA doivent être effectuée par la logistique national.

5. Liste des kits de pièces détachées

CM+094620105731	Curix 60 / 230V 50Hz	Kit R	Version 2.0
CM+094620105734	Curix 60 / 230V 50Hz	Kit L	Version 2.0
CM+094620105735	Curix 60 / 230V 50Hz	Kit spéciaux	Version 2.0
CM+094620155731	Curix 60 / 230V 50Hz	Kit R	Version 2.0
CM+094620155734	Curix 60 / 230V 50Hz	Kit L	Version 2.0
CM+094620155735	Curix 60 / 230V 50Hz	Kit spéciaux	Version 2.0
CM+094620165731	Curix 60 / 100V 60Hz	Kit R	Version 2.0
CM+094620165734	Curix 60 / 100V 60Hz	Kit L	Version 2.0
CM+094620165735	Curix 60 / 100V 60Hz	Kit spéciaux	Version 2.0
CM+094620205731	CP 1000 / 230V 50Hz	Kit R	Version 2.0
CM+094620205734	CP 1000 / 230V 50Hz	Kit L	Version 2.0
CM+094620205735	CP 1000 / 230V 50Hz	Kit spéciaux	Version 2.0
CM+094620285731	CP 1000 / 230V 60Hz	Kit R	Version 2.0
CM+094620285734	CP 1000 / 230V 60Hz	Kit L	Version 2.0
CM+094620285735	CP 1000 / 230V 60Hz	Kit spéciaux	Version 2.0
CM+094620845731	CP 1000 / 120V 60Hz	Kit R	Version 2.0
CM+094620845734	CP 1000 / 120V 60Hz	Kit L	Version 2.0
CM+094620845735	CP 1000 / 120V 60Hz	Kit spéciaux	Version 2.0
CM+094620106731	Curix 60 / 200-240V 50/60Hz	Kit R	Version 1.0
CM+094620106734	Curix 60 / 200-240V 50/60Hz	Kit L	Version 1.0
CM+094620106735	Curix 60 / 200-240V 50/60Hz	Kit spéciaux	Version 1.0
CM+094620206731	CP 1000 / 200-240V 50/60Hz	Kit R	Version 1.0
CM+094620206734	CP 1000 / 200-240V 50/60Hz	Kit L	Version 1.0
CM+094620206735	CP 1000 / 200-240V 50/60Hz	Kit spéciaux	Version 1.0
CM+094620846731	CP 1000 / 100-120V 50/60Hz	Kit R	Version 1.0
CM+094620846734	CP 1000 / 100-120V 50/60Hz	Kit L	Version 1.0
CM+094620846735	CP 1000 / 100-120V 50/60Hz	Kit spéciaux	Version 1.0

Typenverzeichnis / Type list / List de type

Typ	Gerät	Spannung	Zertifikate	Heizung Entwickler	Umlenkung	Flaschen Satz
9462 / 105	Curix 60	230V / 50HZ	VDE	elektronisch	Ja	3x2,5L
9462 / 155	Curix 60 Japan-Version	230V / 50HZ		elektronisch	Ja	3x2,5L
9462 / 165	Curix 60 Japan-Version	100V / 60HZ		elektronisch	Ja	3x2,5L
9462 / 205	CP 1000	230V / 50HZ	VDE	elektro-mechanisch	Nein	3x5 L
9462 / 285	CP 1000	230V / 60HZ		elektro-mechanisch	Nein	3x5 L
9462 / 845	CP 1000	120V / 60HZ	UL	elektro-mechanisch	Nein	3x5 L

9462 / 106	Curix 60	200-240V/50-60HZ	VDE	elektronisch	Ja	3x2,5 L
9462 / 206	CP 1000	200-240V/50-60HZ	VDE	elektronisch	Nein	3x5 L
9462 / 846	CP 1000	100-120V/50-60HZ	UL	elektronisch	Nein	3x5 L

Type	Machine	Voltage	Certificates	Heater Developer	Crossover	Bottle-set
9462 / 105	Curix 60	230V / 50HZ	VDE	electronic	Yes	3x2,5L
9462 / 155	Curix 60 Japan-Version	230V / 50HZ		electronic	Yes	3x2,5L
9462 / 165	Curix 60 Japan-Version	100V / 60HZ		electronic	Yes	3x2,5L
9462 / 205	CP 1000	230V / 50HZ	VDE	electro-mechanical	No	3x5 L
9462 / 285	CP 1000	230V / 60HZ		electro- mechanical	No	3x5 L
9462 / 845	CP 1000	120V / 60HZ	UL	electro- mechanical	No	3x5 L

9462 / 106	Curix 60	200-240V/50-60HZ	VDE	electronic	Yes	3x2,5 L
9462 / 206	CP 1000	200-240V/50-60HZ	VDE	electronic	No	3x5 L
9462 / 846	CP 1000	100-120V/50-60HZ	UL	electronic	No	3x5 L

Type	Machine	Tension	Certificats	Chauffage Révélateur	Zone de renvoi	Assortiment de Boiteille
9462 / 105	Curix 60	230V / 50HZ	VDE	électronique	Oui	3x2,5L
9462 / 155	Curix 60 Version Japonaise	230V / 50HZ		électronique	Oui	3x2,5L
9462 / 165	Curix 60 Version Japonaise	100V / 60HZ		électronique	Oui	3x2,5L
9462 / 205	CP 1000	230V / 50HZ	VDE	électromécanique	Non	3x5 L
9462 / 285	CP 1000	230V / 60HZ		électromécanique	Non	3x5 L
9462 / 845	CP 1000	120V / 60HZ	UL	électromécanique	Non	3x5 L

9462 / 106	Curix 60	200-240V/50-60HZ	VDE	électronique	Oui	3x2,5 L
9462 / 206	CP 1000	200-240V/50-60HZ	VDE	électronique	Non	3x5 L
9462 / 846	CP 1000	100-120V/50-60HZ	UL	électronique	Non	3x5 L

Zubehör / Accessories / Accessoires

FESTER WASSERANSCHLUSS	9424/100	HV49W
LICHTSCHUTZBOX	9462/510	2T7ZG
TISCH CURIX 60	9462/600	25JMK
FLASCHENSATZ 3X5L	9462/540	3N50L
FLASCHENSATZ 3X2,5L	9462/520	3N5PN
EXTERNE REGENERIERUNG 120V/60HZ	9462/570	3XN83
EXTERNE REGENERIERUNG 230V/50HZ	9462/580	34UZW
FIXED WATER CONNECTION	9424/100	HV49W
LIGHT GUARD BOX	9462/510	2T7ZG
TABLE CURIX 60	9462/600	25JMK
BOTTLE SET 3X5L	9462/540	3N50L
BOTTLE SET 3X2,5L	9462/520	3N5PN
EXTERNAL REPLENISHMENT 120V/60HZ	9462/570	3XN83
EXTERNAL REPLENISHMENT 230V/50HZ	9462/580	34UZW
RACCORD D'EAU FIXE	9424/100	HV49W
BOITTE ANTI-LUMIÈRE	9462/510	2T7ZG
TABLE CURIX 60	9462/600	25JMK
ASSORTMENT DE BOATEILLE 3X5L	9462/540	3N50L
ASSORTMENT DE BOATEILLE 3X2,5L	9462/520	3N5PN
RÉGENERATION EXTERIEURE 120V/60HZ	9462/570	3XN83
RÉGENERATION EXTERIEURE 230V/50HZ	9462/580	34UZW

1. Sortiment – Typen

Ersatzteilsortimente sind eine Auswahl funktionswichtiger Teile aus der Ersatzteilliste, empfohlen vom Hersteller.

Die Sortimente unterliegen technisch und inhaltlich dem Änderungsdienst.

Folgende Sortimentstypen sind verfügbar:

- **R** `repair` → Teilebedarf zur Reparatur
- **I** `installation` → Gerätespezifische Teile zur Installation des Gerätes, die nicht im Lieferumfang enthalten sind
- **M** `maintenance` → Teilebedarf für eine Wartung, inklusive gerätespezifischer Hilfsstoffe und Schmiermittel
- **L** `local stock` → strategisch wichtige oder sperrige Teile, die im zentralen Lager bereitliegen sollen

Das R-Sortiment soll der Techniker im Auto mitführen = Carstock.

Die Sortimente I und M können dem Carstock hinzugefügt werden.

Alternativ können sie als eigenständige (Koffer-) Läger bereitgehalten werden, auf die bei einer Installation bzw. Wartung zugegriffen wird (planbare Einsätze).

Technologieabhängig kann es Zusatzsortimente für ein Gerät geben, wie z.B. 50, 60 Hz- Teile
Bestellnummern für Zusatzsortimente (sofern relevant) finden sie unter Punkt 5.

2. Mengen

Alle Sortimente stellen eine Startmenge dar, jeweils kalkuliert für 1-10 Geräte.

Wir empfehlen die Mengen individuell anzupassen, in Abhängigkeit von folgenden Parametern:

- Geräteanzahl
- Größe des betreuten Servicegebiets
- Servicestruktur (zentral/dezentral)
- Bevorratungszeit und Bevorratungsart
- Anzahl der Wartungskontrakte (trifft nur für M-Sortiment zu)

3. Bestellverfahren

- Die verfügbaren Sortimente finden Sie unter Punkt 5.
- Bestellungen von Agfa Vertretungen: wir empfehlen die Sortimente nicht mit der jeweiligen Sortimentsnummer zu bestellen, sondern bedarfsabhängig pro Artikel.
- Für jedes der einzelnen Sortimente ist eine Teileliste bei der zentralen Logistik in München auf Anfrage erhältlich. Bestelladresse siehe Punkt 4.

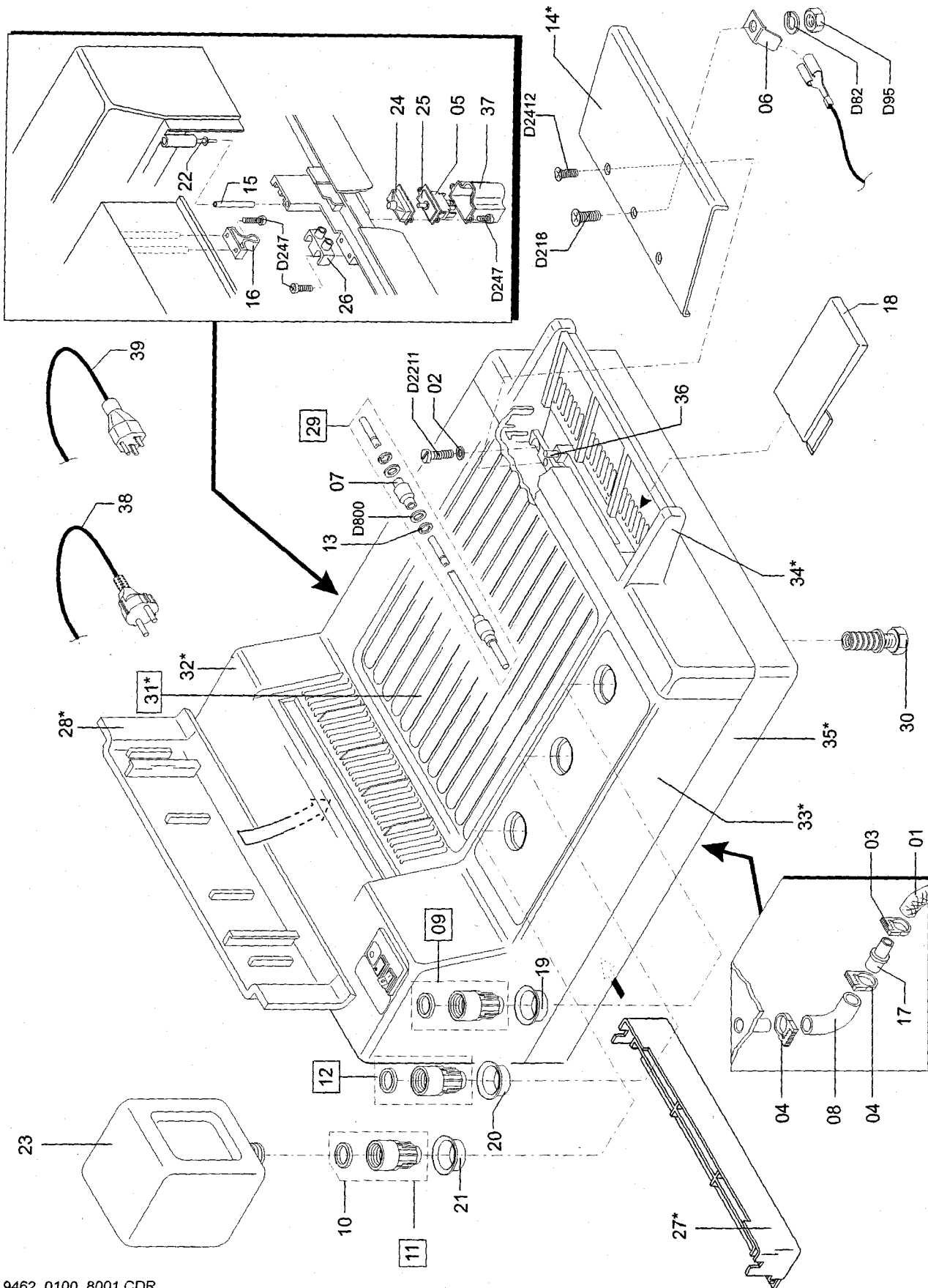
4. Bestelladresse

LOG-T, München
Tegernseer Landstr.161
81536 München
Tel.: +49 – 89 – 6207 3760
Fax.: +49 – 89 – 6207 7388

Bestellung der Teile für firmenzugehörige Besteller läuft über die Logistik des Landes.

5. Sortimentsliste

CM+094620105731	Curix 60 / 230V 50Hz	Sortiment R	Version 2.0
CM+094620105734	Curix 60 / 230V 50Hz	Sortiment L	Version 2.0
CM+094620105735	Curix 60 / 230V 50Hz	Zusatz-Sortiment	Version 2.0
CM+094620155731	Curix 60 / 230V 50Hz	Sortiment R	Version 2.0
CM+094620155734	Curix 60 / 230V 50Hz	Sortiment L	Version 2.0
CM+094620155735	Curix 60 / 230V 50Hz	Zusatz-Sortiment	Version 2.0
CM+094620165731	Curix 60 / 100V 60Hz	Sortiment R	Version 2.0
CM+094620165734	Curix 60 / 100V 60Hz	Sortiment L	Version 2.0
CM+094620165735	Curix 60 / 100V 60Hz	Zusatz-Sortiment	Version 2.0
CM+094620205731	CP 1000 / 230V 50Hz	Sortiment R	Version 2.0
CM+094620205734	CP 1000 / 230V 50Hz	Sortiment L	Version 2.0
CM+094620205735	CP 1000 / 230V 50Hz	Zusatz-Sortiment	Version 2.0
CM+094620285731	CP 1000 / 230V 60Hz	Sortiment R	Version 2.0
CM+094620285734	CP 1000 / 230V 60Hz	Sortiment L	Version 2.0
CM+094620285735	CP 1000 / 230V 60Hz	Zusatz-Sortiment	Version 2.0
CM+094620845731	CP 1000 / 120V 60Hz	Sortiment R	Version 2.0
CM+094620845734	CP 1000 / 120V 60Hz	Sortiment L	Version 2.0
CM+094620845735	CP 1000 / 120V 60Hz	Zusatz-Sortiment	Version 2.0
CM+094620106731	Curix 60 / 200-240V 50/60Hz	Sortiment R	Version 1.0
CM+094620106734	Curix 60 / 200-240V 50/60Hz	Sortiment L	Version 1.0
CM+094620106735	Curix 60 / 200-240V 50/60Hz	Zusatz-Sortiment	Version 1.0
CM+094620206731	CP 1000 / 200-240V 50/60Hz	Sortiment R	Version 1.0
CM+094620206734	CP 1000 / 200-240V 50/60Hz	Sortiment L	Version 1.0
CM+094620206735	CP 1000 / 200-240V 50/60Hz	Zusatz-Sortiment	Version 1.0
CM+094620846731	CP 1000 / 100-120V 50/60Hz	Sortiment R	Version 1.0
CM+094620846734	CP 1000 / 100-120V 50/60Hz	Sortiment L	Version 1.0
CM+094620846735	CP 1000 / 100-120V 50/60Hz	Zusatz-Sortiment	Version 1.0



9462_0100_8001.CDR

VERKLEIDUNGSTEILE
PANELING PARTS
PANNEAUX

Item no.	Part No.	Description
Pos. no.	Nr. de Ref.	Denomination

Nur gültig für Curix 60 / Typ 9462 / 105/155/165/106
Only valid for Curix 60 / Type 9462 / 105/155/165/106
Valable uniquement pour CURIX 60 / Typ 9462 / 105/155/165/106

01	CM+0.0000.6405.5	PVC-SCHLAUCH 15X3 TRANSPARENT, GEWEBE --- 9.8196.7471.0-L=100MM / HOSE TRANSPARENT, WEAVE --- 9.8196.7471.0-L=100MM / TUYAU FLEXIBLE TRANSPARENT, TISSU --- 9.8196.7471.0-L=100MM
02	CM+9.0205.0160.0	SCHRAUBENSICHERUNG / SCREW LOCKING / PLAQUE D'ARRET
03	CM+9.0371.7011.0	SCHLAUCHSCHELLE SNP-18 / HOSE CLAMP SNP-18 / AGRAFE ET COLLIER DE GAINÉ SNP-18
04	CM+9.0372.0040.0	SCHLAUCHSCHELLE SNP-22 / HOSE CLAMP SNP-22 / COLLIER DE GAINÉ SNP-22
05	CM+9.0426.6311.0	DECKELSCHALTER / COVER SWITCH / INTERRUPTEUR DE COUVERCLE
06	CM+9.0471.7170.0	FLACHSTECKER 1X6,3/0,8 / FLAT PLUG 1X6,3/0,8 / FICHE PLATE 1X6,3/0,8
07	CM+9.5220.1680.1	ABTASTROLLE / SCANNING ROLLER / ROULEAU DE DETECTION
08	CM+9.88962952.1	GUMMIKNIE / RUBBER ELBOW / COUDE CAOUTCHOUC
09	CM+9.9432.1070.5	VENTIL ROT / VALVE RED / VALVE ROUGE
10	CM+9.9432.1075.1	DICHTUNG / GASKET / JOINT
11	CM+9.9432.1090.5	VENTIL WEISS / VALVE WHITE / VALVE BLANC
12	CM+9.9432.1110.5	VENTIL BLAU / VALVE BLUE / VALVE BLEU
13	CM+9.9432.3025.0	SICHERUNGSSCHEIBE / RETAINER RING / RONDELLE D'ARRET
14	CM+9.9462.1017.3*	TISCHBLECH / TABLE PLATE / PLAQUE DE TABLE
15	CM+9.9462.1019.1	TASTSTIFT / MEASURING PIN / PALPEUR
16	CM+9.9462.1034.2	SCHNAPPFEDER / SNAP SPRING / RESSORT
17	CM+9.9462.1035.0	REDUZIERSTUECK / REDUCING PART / PIECE REDUCTIBLE
18	CM+9.9462.1039.1	ABDECKUNG / COVER / RECOUVREMENT
19	CM+9.9462.1043.0	FARBRING ROT / COLOUR RING RED / ANNEAU COULEUR ROUGE
20	CM+9.9462.1044.0	FARBRING BLAU / COLOUR RING BLUE / ANNEAU COULEUR BLEU
21	CM+9.9462.1045.0	FARBRING WEISS / COLOUR RING WHITE / ANNEAU COULEUR BLANC
22	CM+9.9462.1052.3	STIFT / PIN / FICHE DE CONTACT MALE
23	CM+9.9462.1081.0	FLASCHE / BOTTLE / BOUTEILLE
24	CM+9.9462.1105.0	SCHUTZKAPPE / PROTECTING CAP / CAPOT DE PROTECTION
25	CM+9.9462.1106.0	HALTERUNG / HOLDER / FIXATION
26	CM+9.9462.1111.1	SCHNAPPER / SNAP CASE / CLIQUET
27	CM+9.9462.1175.1*	ABDECKUNG UNTEN / COVER BOTTOM / RECOUVREMENT EN BAS
28	CM+9.9462.1185.3	ABDECKUNG OBEN / COVER TOP / RECOUVREMENT EN HAUT
29	CM+9.9462.1520.0	ABTASTUNG / DETECTOR / DETECTEUR
30	CM+9.9462.6101.0	FUSS / FOOT / PIED
31	CM+9.9462.9090.0*	GERÄTEABDECKUNG / DEVICE COVER / RECOUVREMENT

□=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilliste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

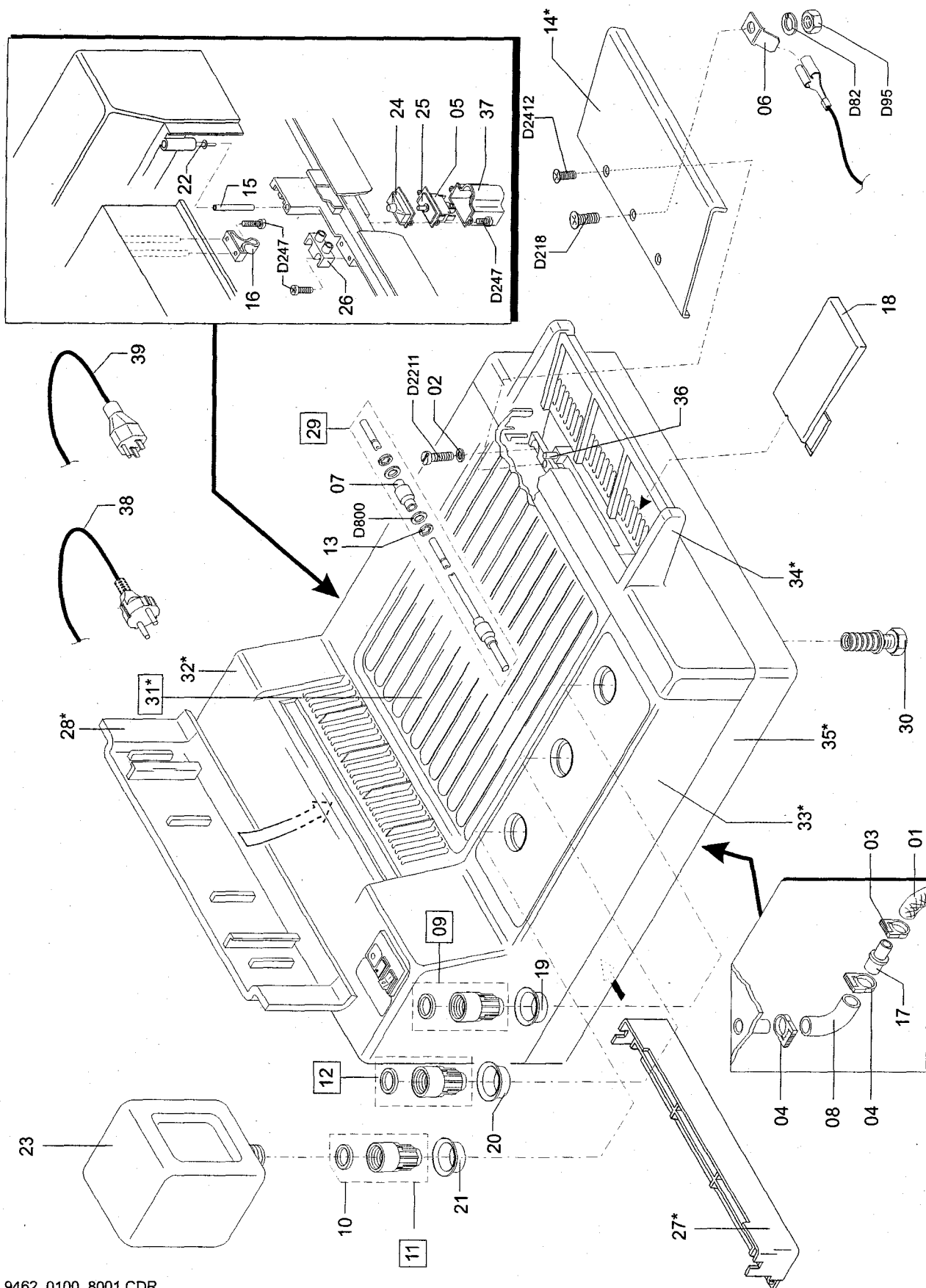
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible départ stock. Délai prolongé en cas de commande.

VERKLEIDUNGSTEILE
PANELING PARTS
PANNEAUX



9462_0100_8001.CDR

VERKLEIDUNGSTEILE
PANELING PARTS
PANNEAUX

Pos. no.	Part No.	Description
Pos. no.	Nr. de Ref.	Denomination

Nur gültig für Curix 60 / Typ 9462 / 105/155/165/106
Only valid for Curix 60 / Type 9462 / 105/155/165/106
Valable uniquement pour CURIX 60 / Typ 9462 / 105/155/165/106

32	CM+9.9463.1065.0*	TROCKNERHAUBE / DRYER HOOD / CAPOT SECHOIR
33	CM+9.9463.1072.1*	GETRIEBEABDECKUNG / GEAR COVER / REVETEMENT D'ENGRENAGE
34	CM+9.9463.1090.0*	EINGABETISCH / FEED TABLE / TABLE D'INTRODUCTION
35	CM+9.9463.1120.2*	CHASSIS / CHASSIS / CHASSIS
36	CM+9.9463.2950.0	REEDSCHALTER VORMONTIERT / REED-SWITCH PREASS. / INTERRUPTEUR REED PREMONT.
37	CM+9.9462.1107.0	CURIX 60 / 105/155/165 ABDECKUNG / HOLDER / FIXATION
38	CM+9.9463.5120.0	CURIX 60 / 106 NETZKABEL / POWER CABLE / CORDON D'ALIMENTATION
38	CM+9.9462.2566.0	CURIX 60 / 105/155 NETZKABEL / POWER CABLE / CORDON D'ALIMENTATION
39	CM+9.9462.4566.0	CURIX 60 / 165 NETZKABEL / POWER CABLE / CORDON D'ALIMENTATION

☐=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

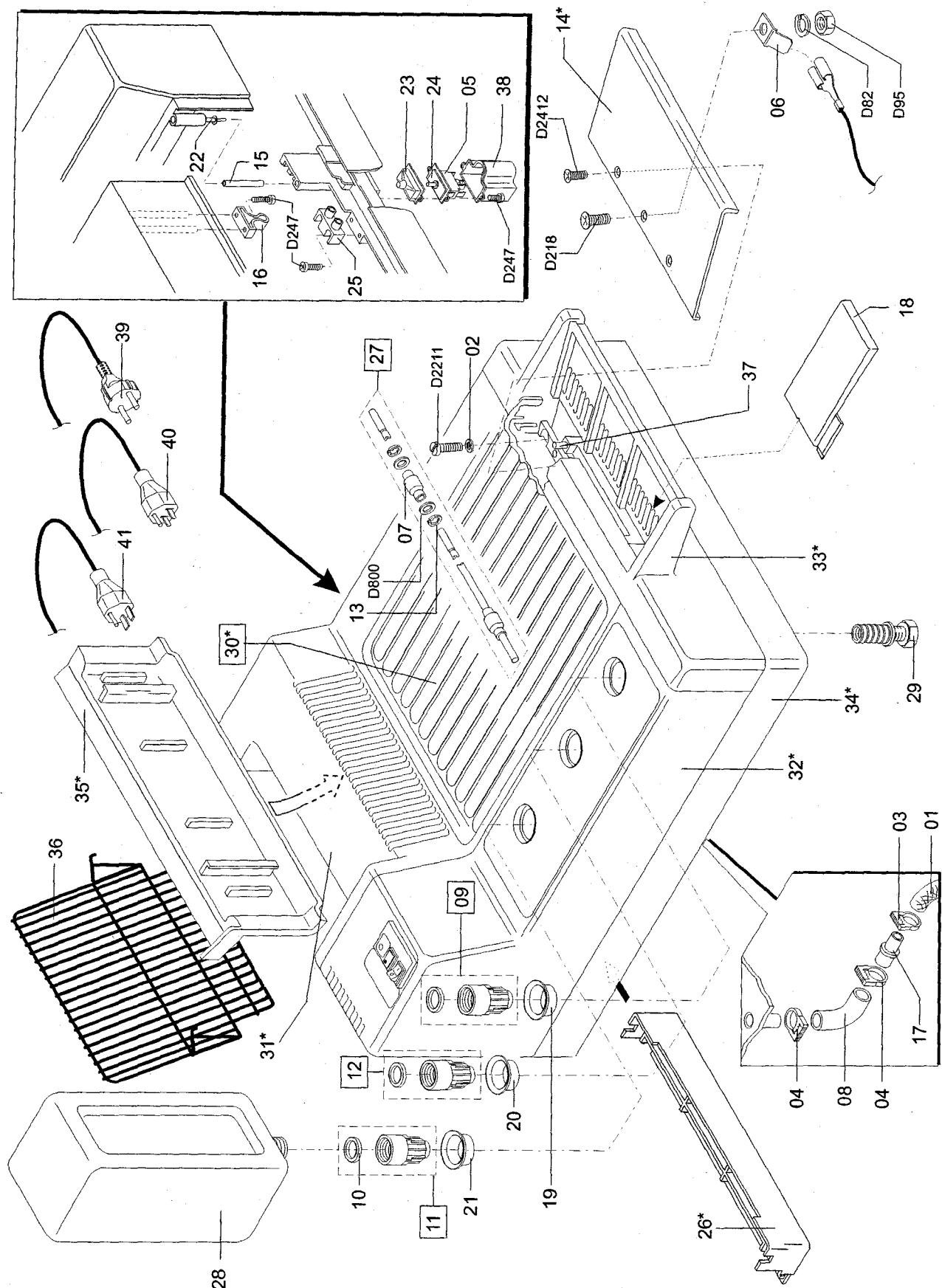
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible depart stock. Délai prolongé en cas de commande.

VERKLEIDUNGSTEILE
PANELING PARTS
PANNEAUX



9462_0100_8003.CDR

VERKLEIDUNGSTEILE
PANELING PARTS
PANNEAUX

Pos. Nr.	Part No.	Description
Pos. no.	Nr. de Ref.	Denomination

Nur gültig für CP 1000 / Typ 9462 / 205/285/845/206/846
Only valid for CP 1000 / Type 9462 / 205/285/845/206/846
Valable uniquement pour CP 1000 / Typ 9462 / 205/285/845/206/846

01	CM+0.0000.6405.5	PVC-SCHLAUCH 15X3 TRANSPARENT, GEWEBE --- 9.8196.7471.0 - L=100MM / HOSE TRANSPARENT, WEAVE --- 9.8196.7471.0 - L=100MM / TUYAU FLEXIBLE TRANSPARENT, TISSU --- 9.8196.7471.0 - L=100MM
02	CM+9.0205.0160.0	SCHRAUBENSICHERUNG / SCREW LOCKING / PLAQUE D'ARRET
03	CM+9.0371.7011.0	SCHLAUCHSCHELLE SNP-18 / HOSE CLAMP SNP-18 / AGRAFE ET COLLIER DE GAINÉ SNP-18
04	CM+9.0372.0040.0	SCHLAUCHSCHELLE SNP-22 / HOSE CLAMP SNP-22 / COLLIER DE GAINÉ SNP-22
05	CM+9.0426.6311.0	DECKELSCHALTER / COVER SWITCH / INTERRUPTEUR DE COUVERCLE
06	CM+9.0471.7170.0	FLACHSTECKER 1X6,3/0,8 / FLAT PLUG 1X6,3/0,8 / FICHE PLATE 1X6,3/0,8
07	CM+9.5220.1680.1	ABTASTROLLE / SCANNING ROLLER / ROULEAU DE DETECTION
08	CM+9.88962952.1	GUMMIKIE / RUBBER ELBOW / COUDE CAOUTCHOUC
09	CM+9.9432.1070.5	VENTIL ROT / VALVE RED / VALVE ROUGE
10	CM+9.9432.1075.1	DICHTUNG / GASKET / JOINT
11	CM+9.9432.1090.5	VENTIL WEISS / VALVE WHITE / VALVE BLANC
12	CM+9.9432.1110.5	VENTIL BLAU / VALVE BLUE / VALVE BLEU
13	CM+9.9432.3025.0	SICHERUNGSSCHEIBE / RETAINER RING / RONDELLE D'ARRET
14	CM+9.9462.1017.3*	TISCHBLECH / TABLE PLATE / PLAQUE DE TABLE
15	CM+9.9462.1019.1	TASTSTIFT / MEASURING PIN / PALPEUR
16	CM+9.9462.1034.2	SCHNAPPFEDER / SNAP SPRING / RESSORT
17	CM+9.9462.1035.0	REDUZIERSTUECK / REDUCING PART / PIECE REDUCTIBLE
18	CM+9.9462.1039.1	ABDECKUNG / COVER / RECOUVREMENT
19	CM+9.9462.1043.0	FARBRING ROT / COLOUR RING RED / ANNEAU COULEUR ROUGE
20	CM+9.9462.1044.0	FARBRING BLAU / COLOUR RING BLUE / ANNEAU COULEUR BLEU
21	CM+9.9462.1045.0	FARBRING WEISS / COLOUR RING WHITE / ANNEAU COULEUR BLANC
22	CM+9.9462.1052.3	STIFT / PIN / FICHE DE CONTACT MALE
23	CM+9.9462.1105.0	SCHUTZKAPPE / PROTECTING CAP / CAPOT DE PROTECTION
24	CM+9.9462.1106.0	HALTERUNG / HOLDER / FIXATION
25	CM+9.9462.1111.1	SCHNAPPER / SNAP CASE / CLIQUET
26	CM+9.9462.1175.1*	ABDECKUNG UNTEN / COVER BOTTOM / RECOUVREMENT EN BAS
27	CM+9.9462.1520.0	ABTASTUNG / DETECTOR / DETECTEUR
28	CM+9.9462.6082.0	FLASCHE / BOTTLE / BOUTEILLE
29	CM+9.9462.6101.0	FUSS / FOOT / PIED
30	CM+9.9462.9090.0*	GERÄTEABDECKUNG / DEVICE COVER / RECOUVREMENT

☐=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

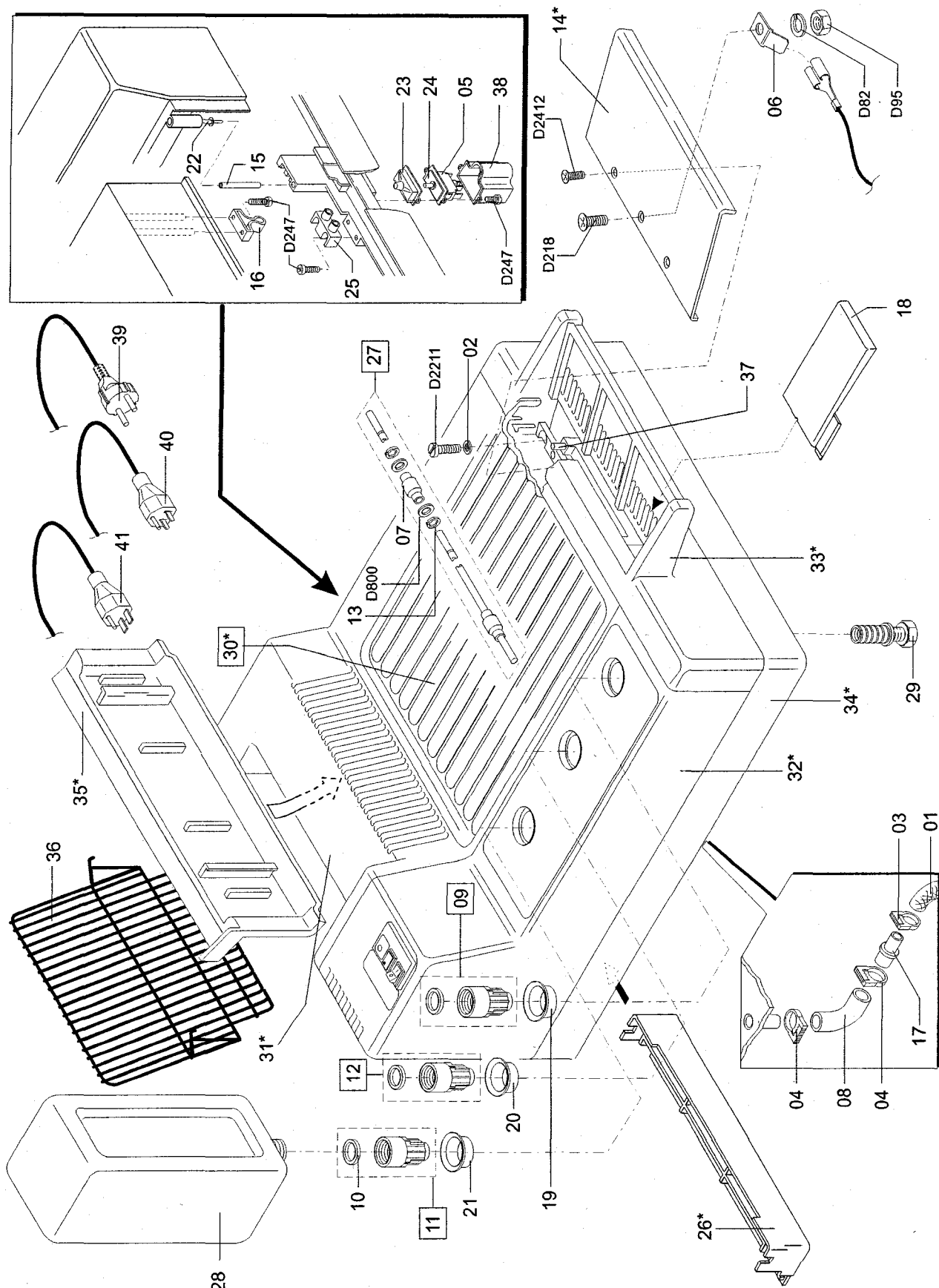
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachee n'est pas disponible depart stock. Délai prolongé en cas de commande.

VERKLEIDUNGSTEILE PANELING PARTS PANNEAUX



9462_0100_8003.CDR

VERKLEIDUNGSTEILE
PANELING PARTS
PANNEAUX

Pos. Nr.	Teile-Nr.	Benennung
Item no.	Part No.	Description
Pos. no.	Nr. de Ref.	Denomination

Nur gültig für CP 1000 / Typ 9462 / 205/285/845/206/846
Only valid for CP 1000 / Type 9462 / 205/285/845/206/846
Valable uniquement pour CP 1000 / Typ 9462 / 205/285/845/206/846

31	CM+9.9463.1062.1*	TROCKNERHAUBE / DRYER HOOD / CAPOT SECHOIR
32	CM+9.9463.1072.1*	GETRIEBEABDECKUNG / GEAR COVER / REVETEMENT D'ENGRENAGE
33	CM+9.9463.1090.0*	EINGABETISCH / FEED TABLE / TABLE D'INTRODUCTION
34	CM+9.9463.1120.2*	CHASSIS / CHASSIS / CHASSIS
35	CM+9.9463.1181.1*	ABDECKUNG OBEN / COVER TOP / RECOUVREMENT EN HAUT
36	CM+9.9463.1400.0	FILMSCHUTE / FILM CHUTE / BAC FILMS
37	CM+9.9463.2950.0	REEDSCHALTER VORMONTIERT / REED-SWITCH PREASS. / INTERRUPTEUR REED PREMONT.
38	CM+9.9462.1107.0	CP1000 / 205/285/845 ABDECKUNG / HOLDER / FIXATION
39	CM+9.9462.2566.0	CP1000 / 205 NETZKABEL 230V / POWER CABLE / CORDON D'ALIMENTATION
39	CM+9.9463.5120.0	CP1000 / 206 NETZKABEL 200-240V / POWER CABLE / CORDON D'ALIMENTATION
40	CM+9.9462.4566.0	CP1000 / 285/845 NETZKABEL UL 230V / POWER CABLE UL / CORDON D'ALIMENTATION UL
40	CM+9.9463.5130.0	CP1000 / 846 NETZKABEL UL 100-120V / POWER CABLE UL / CORDON D'ALIMENTATION UL
41	CM+9.9463.5150.0	CP1000 / 206 NETZKABEL UL 200-240V / POWER CABLE UL / CORDON D'ALIMENTATION UL

□=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

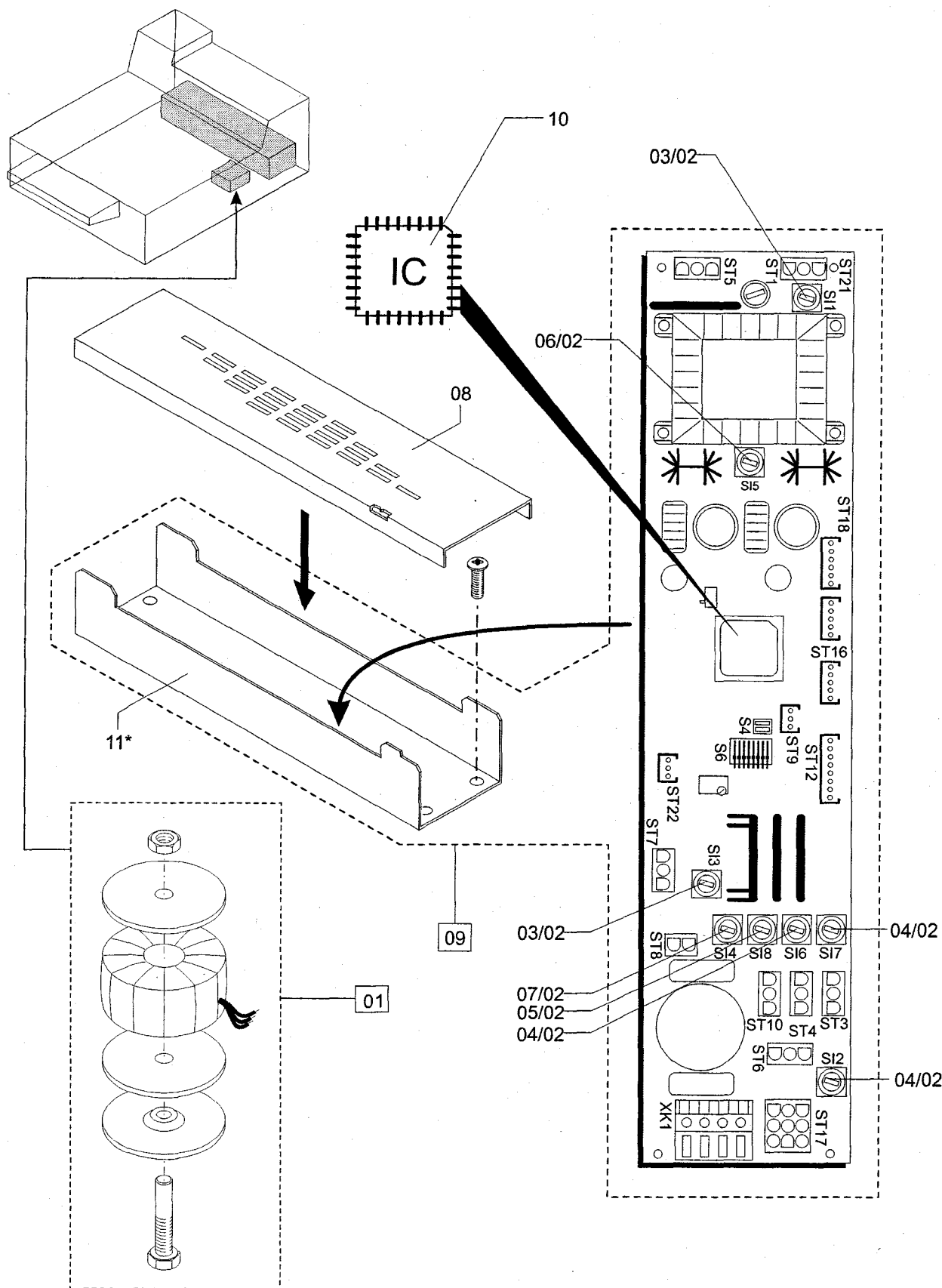
D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible départ stock. Délai prolongé en cas de commande.



9462_0100_8005.CDR

E-KASTEN
ELECTRONIC BOX
ELECTRONIQUE BOITE

Pos. Nr.	Teile-Nr.	Benennung
Item no.	Part No.	Description
Pos. no.	Nr. de Ref.	Denomination

Nur gültig für Curix 60 / Typ 9462 / 105/155/165

Only valid for Curix 60 / Type 9462 / 105/155/165

Valable uniquement pour Curix 60 / Typ 9462 / 105/155/165

01	CM+9.0433.7084.0	RINGTRAFO 200-240V/50-60HZ / RING-TRANSFORMER / ANNEAU-TRANSFORM
01	CM+9.0433.7085.0	RINGTRAFO 100-120V/50-60HZ / RING-TRANSFORMER / ANNEAU-TRANSFORM
02	CM+9.0451.9130.0	RENKVERSCHLUSSKAPPE / RETAINER CAP / CAPUCHON DE SECURITE
03	CM+9.0451.9608.0	CURIX 60 / 105/155 SICHERUNG T1,6A / FUSE T1,6A / FUSIBLE T1,6A
03	CM+9.0451.9604.0	CURIX 60 / 165 SICHERUNG T2,5A / FUSE T2,5A / FUSIBLE T2,5A
04	CM+9.0451.9630.0	CURIX 60 / 105/155 SICHERUNG T 0,4A / FUSE T 0,4A / FUSIBLE T 0,4A
04	CM+9.0451.9707.0	CURIX 60 / 165 SICHERUNG T 0,5A / FUSE T 0,5A / FUSIBLE T 0,5A
05	CM+9.0451.9706.0	CURIX 60 / 105/155 SICHERUNG T 0,7A / FUSE T 0,7A / FUSIBLE T 0,7A
05	CM+9.0451.9727.0	CURIX 60 / 165 SICHERUNG T 1,25A / FUSE T 1,25A / FUSIBLE T 1,25A
06	CM+9.0451.9716.0	CURIX 60 / 105/155/165 SICHERUNG T 1A / FUSE T 1A / FUSIBLE T 1A
07	CM+9.0451.9720.0	CURIX 60 / 105/155 SICHERUNG T 4A / FUSE T 4A / FUSIBLE T 4A
07	CM+9.0451.9705.0	CURIX 60 / 165 SICHERUNG T 6,25A / FUSE T 6,25A / FUSIBLE T 6,25A
08	CM+9.9463.1461.0	DECKEL / COVER / COUVERCLE
09	CM+9.9463.9020.3	GS UNPROGR. MIT SICHERUNGEN UND UNTERTEIL / PCB NOT PROGR. WITH FUSES AND BOTTOM PART / CI SANS PROGR. AVEC FUSIBLES ET PARTIE INF ERIEURE
10	CM+9.9463.2567.0	EPROM PROGRAMM V1102 / EPROM PROGRAM V1102 / EPROM PROGRAMME V1102
11	CM+9.9463.1451.0	UNTERTEIL / BOTTOM PART / PARTIE INF ERIEURE

□=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

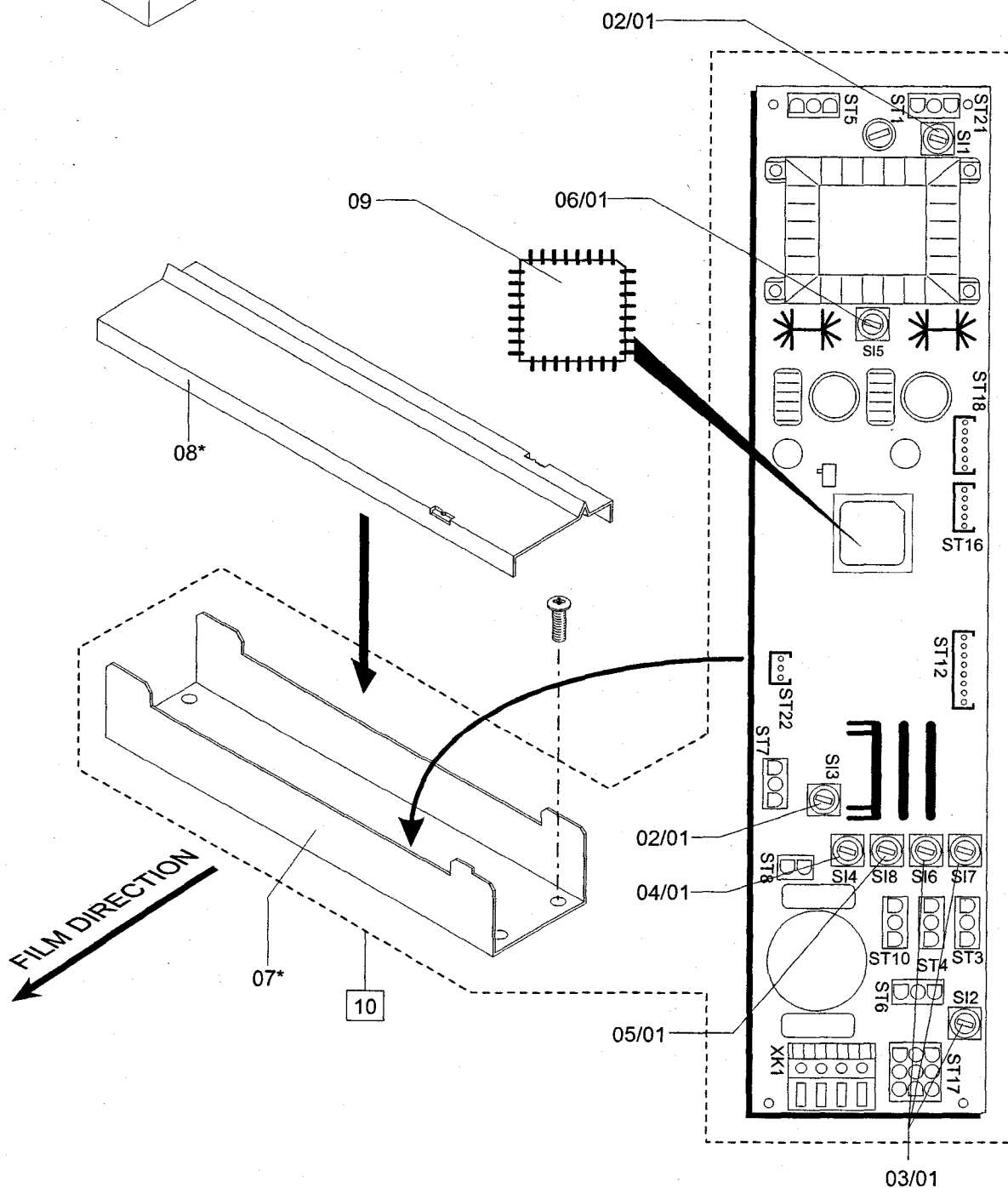
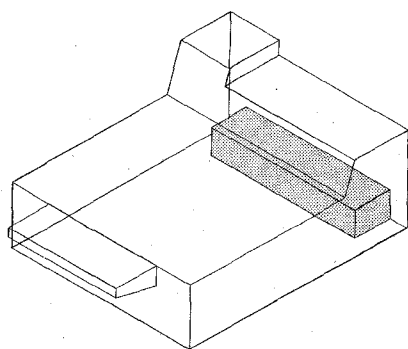
D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible départ stock. Délai prolongé en cas de commande.



9462_0100_8006.CDR

E-KASTEN
ELECTRONIK BOX
ELECTRONIQUE BOITE

Pos. Nr.	Teile-Nr.	Benennung
Item no.	Part No.	Description
Pos. no.	Nr. de Ref.	Denomination

Nur gültig für CP 1000 / Typ 9462 / 205/285/845
Only valid for CP 1000 / Type 9462 / 205/285/845
Valable uniquement pour CP 1000 / Typ 9462 / 205/285/845

01	CM+9.0451.9130.0	RENKVERSCHLUSSKAPPE / RETAINER CAP / CAPUCHON DE SECURITE
02	CM+9.0451.9604.0	CP 1000 / 845 SICHERUNG T 2,5A / FUSE T 2,5A / FUSIBLE T 2,5A
02	CM+9.0451.9608	CP 1000 / 205/285 SICHERUNG T 1,6A / FUSE T 1,6A / FUSIBLE T 1,6A
03	CM+9.0451.9630.0	CP 1000 / 205/285 SICHERUNG T 0,4A / FUSE T 0,4A / FUSIBLE T 0,4A
03	CM+9.0451.9707.0	CP 1000 / 845 SICHERUNG T 0,5A / FUSE T 0,5A / FUSIBLE T 0,5A
04	CM+9.0451.9705.0	CP 1000 / 845 SICHERUNG T6,25A / FUSE T6,25A / FUSIBLE T6,25A
04	CM+9.0451.9720.0	CP 1000 / 205/285 SICHERUNG T 4A / FUSE T 4A / FUSIBLE T 4A
05	CM+9.0451.9706.0	CP 1000 / 205/285 SICHERUNG T 0,7A / FUSE T 0,7A / FUSIBLE T 0,7A
05	CM+9.0451.9727.0	CP 1000 / 845 SICHERUNG T1,25A / FUSE T1,25A / FUSIBLE T6,25A
06	CM+9.0451.9716.0	CP 1000 / 205/285/845 SICHERUNG T 1A / FUSE T 1A / FUSIBLE T 1A
07	CM+9.9463.1451.0*	UNTERTEIL / BOTTOM PART / PARTIE INFERIEURE
08	CM+9.9463.1471.0	DECKEL / COVER / COUVERCLE
09	CM+9.9463.2817.0	EPROM PROGRAMM V1102 / EPROM PROGRAM V1102 / EPROM PROGRAMME V1102
10	CM+9.9463.9010.3	GS UNPROGR. MIT SICHERUNGEN UND UNTERTEIL / PCB NOT PROGR. WITH FUSES AND BOTTOM PART / CI SANS PROGR. AVEC FUSIBLES ET PARTIE INF ERIEURE

□=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

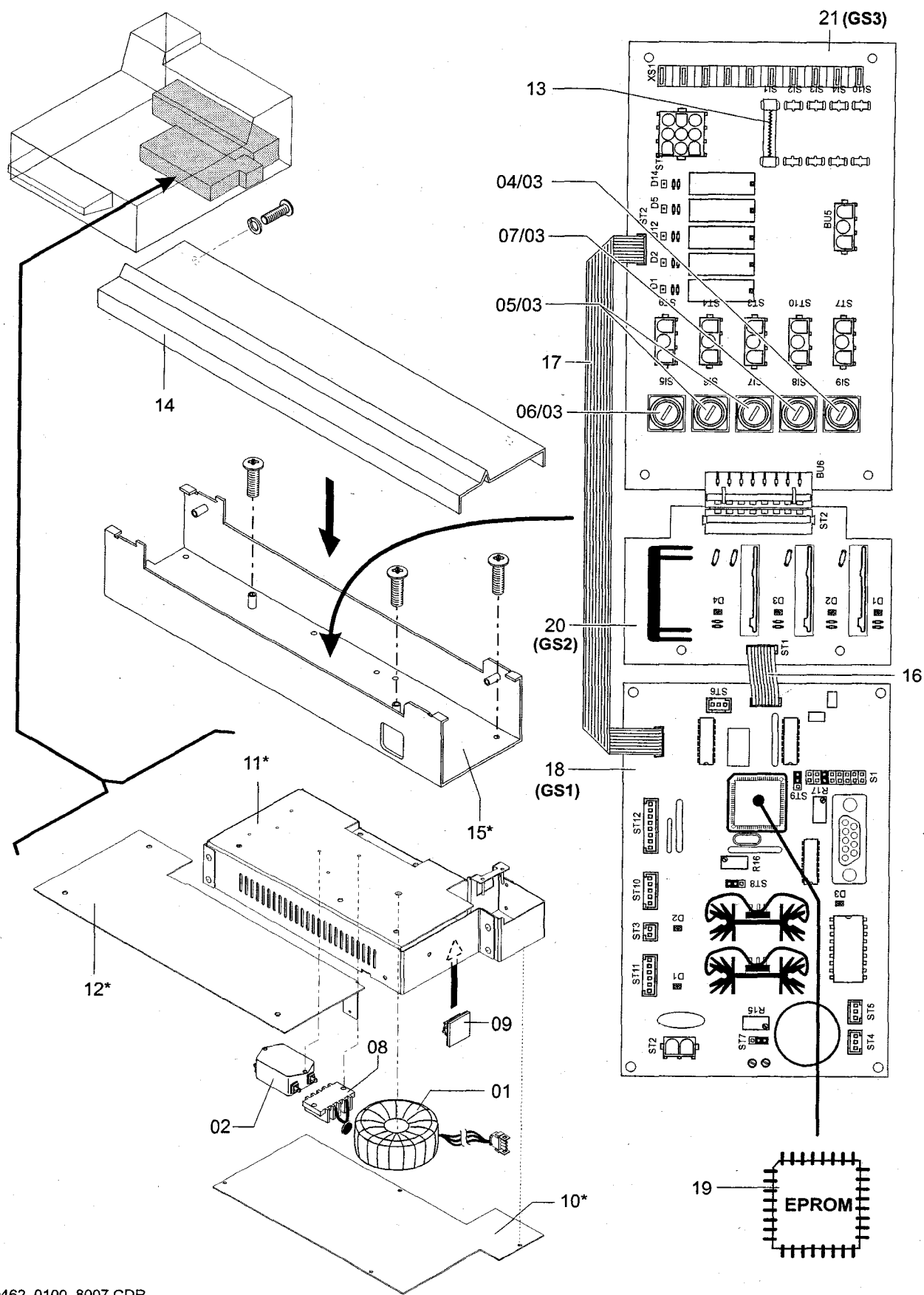
D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible départ stock. Délai prolongé en cas de commande.



9462_0100_8007.CDR

E-KASTEN
ELECTRONIC BOX
ELECTRONIQUE BOITE

Pos. Nr.	Teile-Nr.	Benennung
Item no.	Part No.	Description
Pos. no.	Nr. de Ref.	Denomination

Nur gültig für CURIX 60 / CP 1000 / Typ 9462 / 106/206/846
Only valid for CURIX 60 / CP 1000 / Type 9462 / 106/206/846
Valable uniquement pour CURIX 60 / CP 1000 / Typ 9462 / 106/206/846

01	CM+9.0433.7178.0	TRANSFORMATOR / TRANSFORMER / TRANSFORMATEUR
02	CM+9.0436.5228.0	FILTER / FILTER / FILTRE
03	CM+9.0451.9130.0	RENKVERSCHLUSSKAPPE / RETAINER CAP / CAPUCHON DE SECURITE
04	CM+9.0451.9604.0	SICHERUNG T 2,5A / FUSE T 2,5A / FUSIBLE T 2,5A
05	CM+9.0451.9630.0	SICHERUNG T 0,4A / FUSE T 0,4A / FUSIBLE T 0,4A
06	CM+9.0451.9705.0	SICHERUNG T 6,25A / FUSE T 6,25A / FUSIBLE T 6,25A
07	CM+9.0451.9706.0	SICHERUNG T 0,7A CM+9. / FUSE T 0,7A / FUSIBLE T 0,7A
08	CM+9.0472.0270.0	FLACHSTECKERLEISTE / FLAT CONNECTOR TERMINAL STRIP / BARRETTE DE RACCORDEMENT
09	CM+9.0479.1135.0	SCHELLE SKS 16L / CLIP SKS 16L / COLLIER SKS 16L
10	CM+9.9463.1141.1*	DECKEL / COVER / COUVERCLE
11	CM+9.9463.1170.0*	TRAFOKÄFIG / TRANSFORMER CAGE / CAGE DU TRANSFORMATEUR
12	CM+9.9463.4105.2*	WINKEL / BRACKET / BRACKET
13	CM+9.9463.4130.0	SICHERUNG T6,25A / FUSE T6,25A / FUSIBLE T6,25A
14	CM+9.9463.4171.1	DECKEL / COVER / COUVERCLE
15	CM+9.9463.4180.1*	UNTERTEIL / BOTTOM PART / PARTIE INFERIEURE
16	CM+9.9463.5070.0	VERB. LEITG. 8POL. (FLICKER) / INTERCONNECT CABLE 8POL. / CABLE D'INTERCONNEXION 8POL.
17	CM+9.9463.5080.0	VERB. LEITG. 8POL. (FLICKER) / INTERCONNECT CABLE 8POL. / CABLE D'INTERCONNEXION 8POL.
18	CM+9.9463.5250.0	STEUERKARTE CX60 FLICKERFREI (GS1) OHNE EPROM / CONTROL BOARD (GS1) WITHOUT EPROM / CARTE DE COMMANDE (GS1) NON EPROM
19	CM+9.9463.5276.0	EPROM PROGRAMM FLICKERFREI 1002 / EPROM PROGRAM 1002 / EPROM PROGRAMME 1002
20	CM+9.9463.5300.0	SOLID STATE RELAY CX60 FLICKERFREI (GS2) / SOLID STATE RELAY (GS2) / SOLID STATE RELAY (GS2)
21	CM+9.9463.5320.0	VERTEILERKARTE CX60 FLICKERFREI (GS3) / DISTRIBUTOR BOARD (GS3) / CARTE DISTRIBUTEUR (GS3)

☐=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

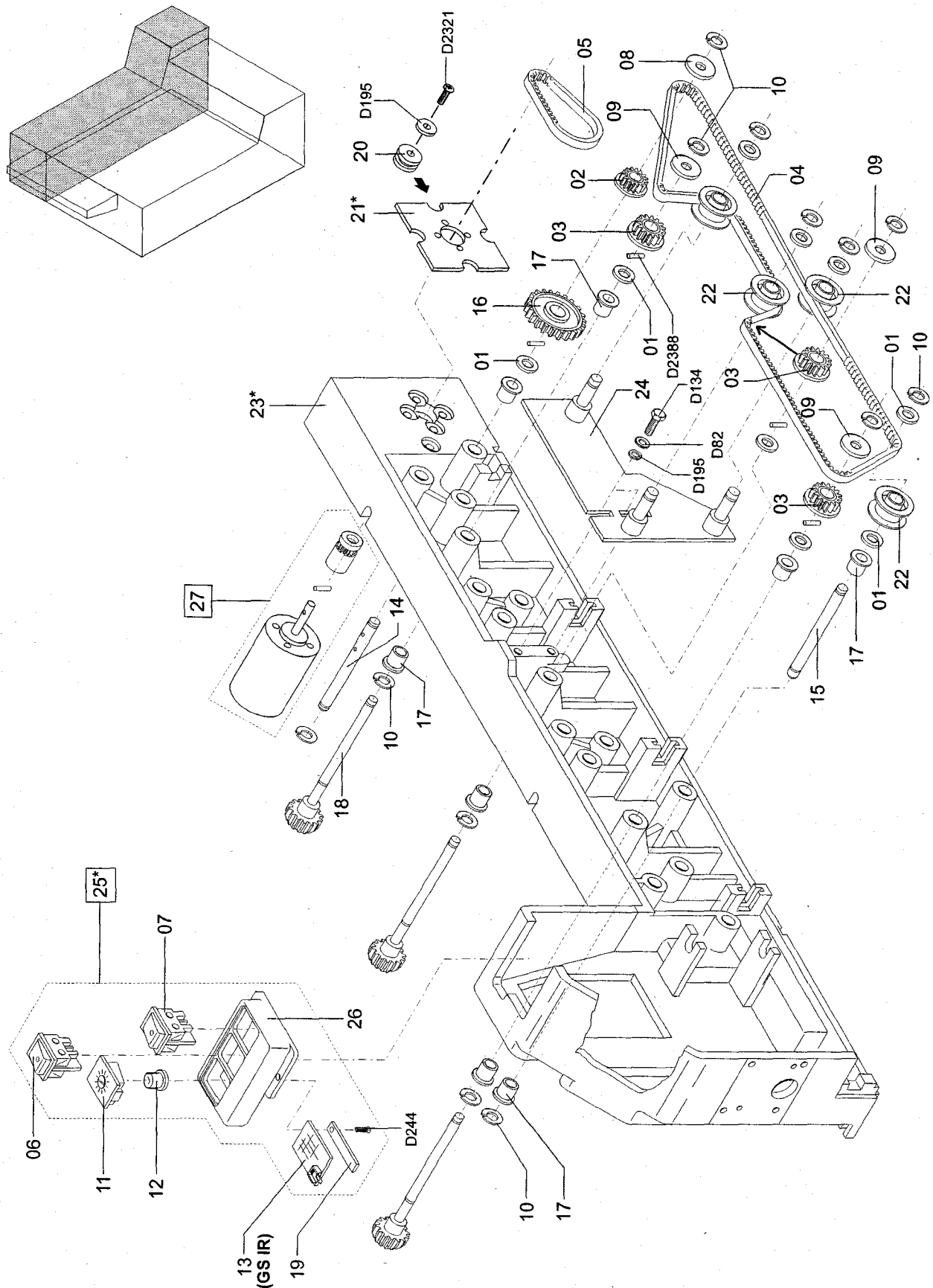
D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible de part stock. Délai prolongé en cas de commande.



9462_0100_8008.CDR

ANTRIEBSPLATINE
DRIVE PLATE
PLAQUE D'ENTRAINEMENT

Item no. Pos. no.	Part No. Nr. de Ref.	Description Denomination
01	CM+9.0326.8910.0	SCHEIBE / WASHER / RONDELLE
02	CM+9.0389.5060.0	ZAHNRIEM,ENRAD / TOOTHED BELT WHEEL / POULIE A COURROIE CRANTEE
03	CM+9.0389.5080.0	ZAHNRIEMENRAD / TOOTHED BELT WHEEL / POULIE A COURROIE CRANTEE
04	CM+9.03896528.0	ZAHNRIEMEN 6T5X990 / TOOTHED BELT 6T5X990 / COURROIE CRANTEE 6T5X990
05	CM+9.0389.6536.0	ZAHNRIEMEN 6T2,5X200 / TOOTHED BELT 6T2,5X200 / COURROIE CRANTEE 6T2,5X200
06	CM+9.0426.6061.0	WIPPTASTE / ROCKER KEY / TOUCHE A BASCULE
07	CM+9.0426.6138.0	WIPPSCHALTER 200 GL.30.2X11.0 RT / ROCKER SWITCH 200 GL.30.2X11.0 RT / TOUCHE A BASCULE 200 GL.30.2X11.0 RT
08	CM+9.8370.2828.0	BORDSCHEIBE / WASHER / RONDELLE
09	CM+9.8370.2848.0	BORDSCHEIBE / WASHER / RONDELLE
10	CM+9.9432.3025.0	SICHERUNGSSCHEIBE / RETAINER RING / RONDELLE D'ARRET
11	CM+9.9460.2561.0	ABDECKUNG / COVER / RECOUVREMENT
12	CM+9.9460.2562.1	STELLKNOPF / SETTING KNOB / BOUTON DE REGLAGE
13	CM+9.9460.2590.0	GS STUFENSCHALTER (GS IR) / STEP SWITCH (GS IR) / INTERRUPTEUR A GRADINS (GS IR)
14	CM+9.9462.1202.3	WELLE / SHAFT / ARBRE
15	CM+9.9462.1207.1	WELLE / SHAFT / ARBRE
16	CM+9.9462.1219.1	ZAHNRIEMENRAD / TOOTHED BELT WHEEL / POULIE A COURROIE CRANTEE
17	CM+9.9462.1252.3	BUCHSE / BUSHING / DOUILLE
18	CM+9.9462.1260.4	RITZEL M=1,5 - Z=12 / PINION M=1,5 - TEETH=12 / PIGNON M=1,5 - DENTS=12
19	CM+9.9462.1282.0	PLATTE / PLATE / PLAQUE
20	CM+9.9463.1301.0	GUMMITÜLLE / RUBBER SLEEVE / DOUILLE EN CAOUTCHOUC
21	CM+9.9463.1302.0*	BEFESTIGUNGSPLATTE / MOUNTING BRACKET / PLAQUE DE FIXATION
22	CM+9.9463.1305.0	UMLENKROLLE / GUIDE ROLLER / GALET DE RENVOI
23	CM+9.9463.1320.0*	ANTRIEBSPLATTE / DRIVE PLATE / PLAQUE D'ENTRAINEMENT
24	CM+9.9463.1330.1	SPANNPLATTE / CLAMPING PLATE / PLAQUE DE FIXATION
25	CM+9.9463.1380.0*	SCHALTERGEHÄUSE VOLLST. / SWITCH ENCLOSURE ASSY / BOITIER D'INTERRUPTEUR COMPL.
26	CM+9.9463.1381.1	SCHALTERGEHÄUSE / SWITCH ENCLOSURE / BOITIER D'INTERRUPTEUR
27	CM+9.9463.1350.1	CX60 / 105/155/165 – CP1000 / 205/285/845 MOTOR (24V) VORMONT. / MOTOR PREASS. / MOTEUR PREMONT.
27	CM+9.9463.4550.0	CX60 / 106 – CP1000 / 206/846 MOTOR (24V) VORMONT. / MOTOR PREASS. / MOTEUR PREMONT.

□=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

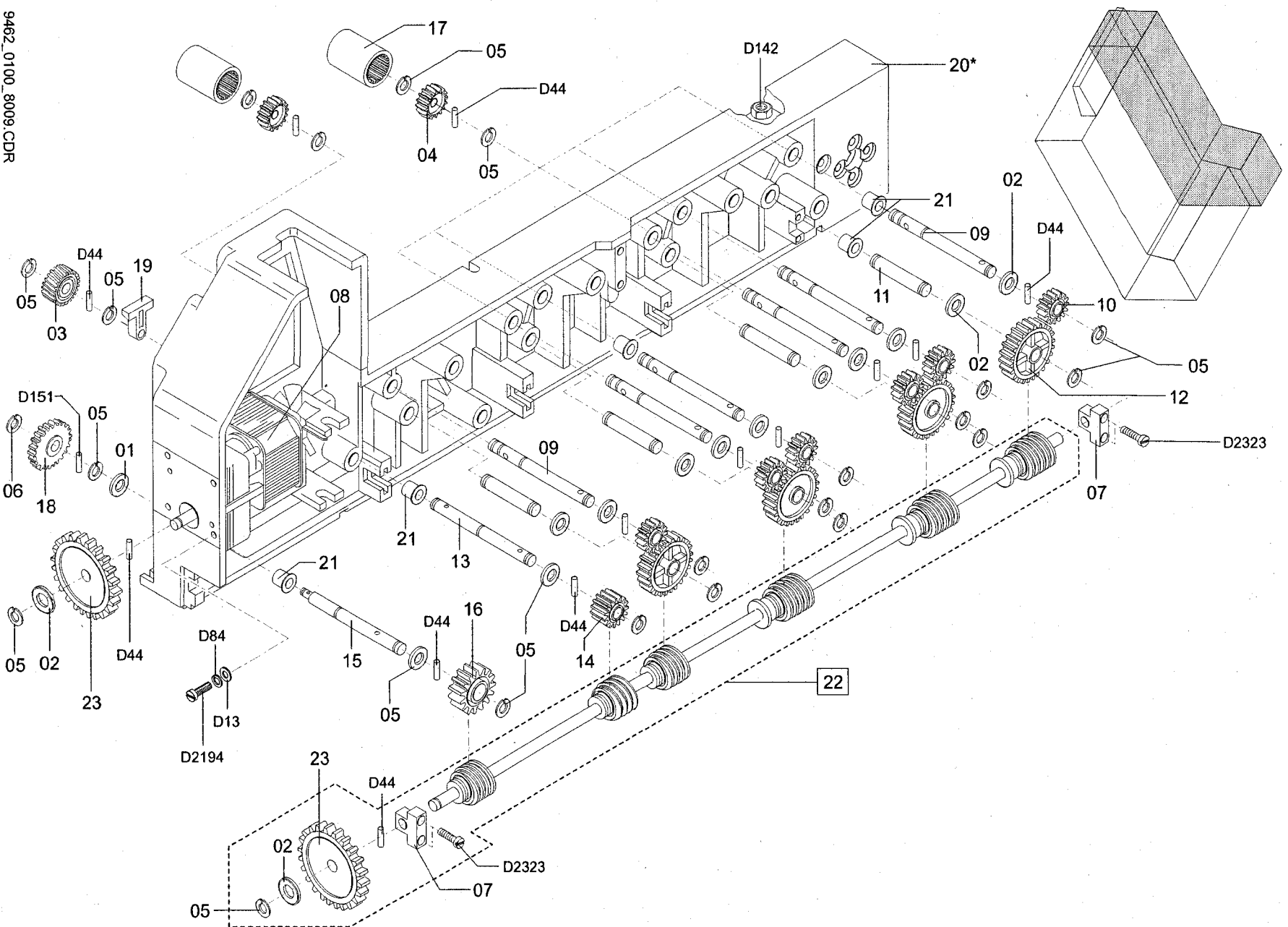
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachee n'est pas disponible depart stock. Délai prolongé en cas de commande.

ANTRIEBSPLATINE
DRIVE PLATE
PLAQUE D'ENTRAINEMENT



9462_0100_8009.CDR

ANTRIEBSPLATINE DRIVE PLATE PLAQUE D'ENTRAÎNEMENT

Item no.	Part No.	Description
Pos. no.	Nr. de Ref.	Denomination

Nur gültig für CURIX 60 / CP 1000 / Typ 9462 / 105/155/165/205/285/845
Only valid for CURIX 60 / CP 1000 / Type 9462 / 105/155/165/205/285/845
Valable uniquement pour CX 60 / CP 1000 / Typ 9462 105/155/165/205/285/845

01	CM+9.0326.8910.0	SCHEIBE / WASHER / RONDELLE
02	CM+9.0327.3800.0	SCHEIBE / WASHER / RONDELLE
03	CM+9.8187.6655.1	SCHRÄGSTIRNRAD M=1 / Z=22 / HELICAL SPUR GEAR M=1 / TEETH=22 / ROUE HELICOIDALE M=1 / DENTS=22
04	CM+9.9402.1101.1	GERADSTIRNRAD M=1,5 / Z=15 / SPUR GEAR M=1,5 / TEETH=15 / ROUE DENTEE M=1,5 / DENTS=15
05	CM+9.9402.1129.0	SICHERUNGSSCHEIBE / RETAINER RING / RONDELLE D'ARRET
06	CM+9.9432.3025.0	SICHERUNGSSCHEIBE / RETAINER RING / RONDELLE D'ARRET
07	CM+9.9460.2258.0	LAGER / BEARING / PALIER
08	CM+9.0430.8280.0	CX60/105/155 – CP1000/205 GETRIEBEMOTOR 220V/240V/50HZ / GEAR MOTOR / MOTEUR D'ENGRENAGE
08	CM+9.0430.8281.0	CX60/165 – CP1000/845 GETRIEBEMOTOR 120V/60HZ / GEAR MOTOR / MOTEUR D'ENGRENAGE
08	CM+9.0430.8289.0	CP1000/285 GETRIEBEMOTOR 230V/60HZ / GEAR MOTOR / MOTEUR D'ENGRENAGE
09	CM+9.9462.1203.2	WELLE / SHAFT / ARBRE
10	CM+9.9462.1204.0	SCHRAEGSTIRNRAD M=1 / Z=25 / HELICAL SPUR GEAR M=1 / TEETH=25 / ROUE HELICOIDALE M=1 / DENTS=25
11	CM+9.9462.1205.1	ACHSE / SHAFT / ARBRE
12	CM+9.9462.1206.0	SCHRAEGSTIRNRAD M=1 / Z=46 / HELICAL SPUR GEAR M=1 / TEETH=46 / ROUE HELICOIDALE M=1 / DENTS=46
13	CM+9.9462.1211.1	WELLE / SHAFT / ARBRE
14	CM+9.9462.1212.0	SCHRAEGSTIRNRAD M=1 / Z=24 / HELICAL SPUR GEAR M=1 / TEETH=24 / ROUE HELICOIDALE M=1 / DENTS=24
15	CM+9.9462.1213.2	WELLE / SHAFT / ARBRE
16	CM+9.9462.1214.0	SCHRAEGSTIRNRAD M=1 / Z=32 / SCHRAEGSTIRNRAD M=1 / Z=32 / ROUE HELICOIDALE M=1 / DENTS=32
17	CM+9.9462.1215.0	KUPPLUNGSROHR / PIPE UNION / RACCORD
18	CM+9.9462.1218.0	GERADSTIRNRAD M=1 / Z=33 / SPUR GEAR M=1 / TEETH=33 / ROUE DENTEE M=1 / DENTS=33
19	CM+9.9462.1221.1	PLATTE / PLATE / PLAQUE
20	CM+9.9463.1320.0*	ANTRIEBSPLATTE / DRIVE PLATE / PLAQUE D'ENTRAINEMENT
21	CM+9.9462.1253.3	BUCHSE / BUSHING / DOUILLE
22	CM+9.9462.1270.1	ANTRIEBSWELLE VOLLST. / DRIVE SHAFT ASSY / ARBRE D'ENTRAINEMENT COMPL.
23	CM+9.9462.1275.0	GERADSTIRNRAD M=1 / Z=67 / SPUR GEAR M=1 / TEETH=67 / ROUE DENTEE M=1 / DENTS=67

□=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

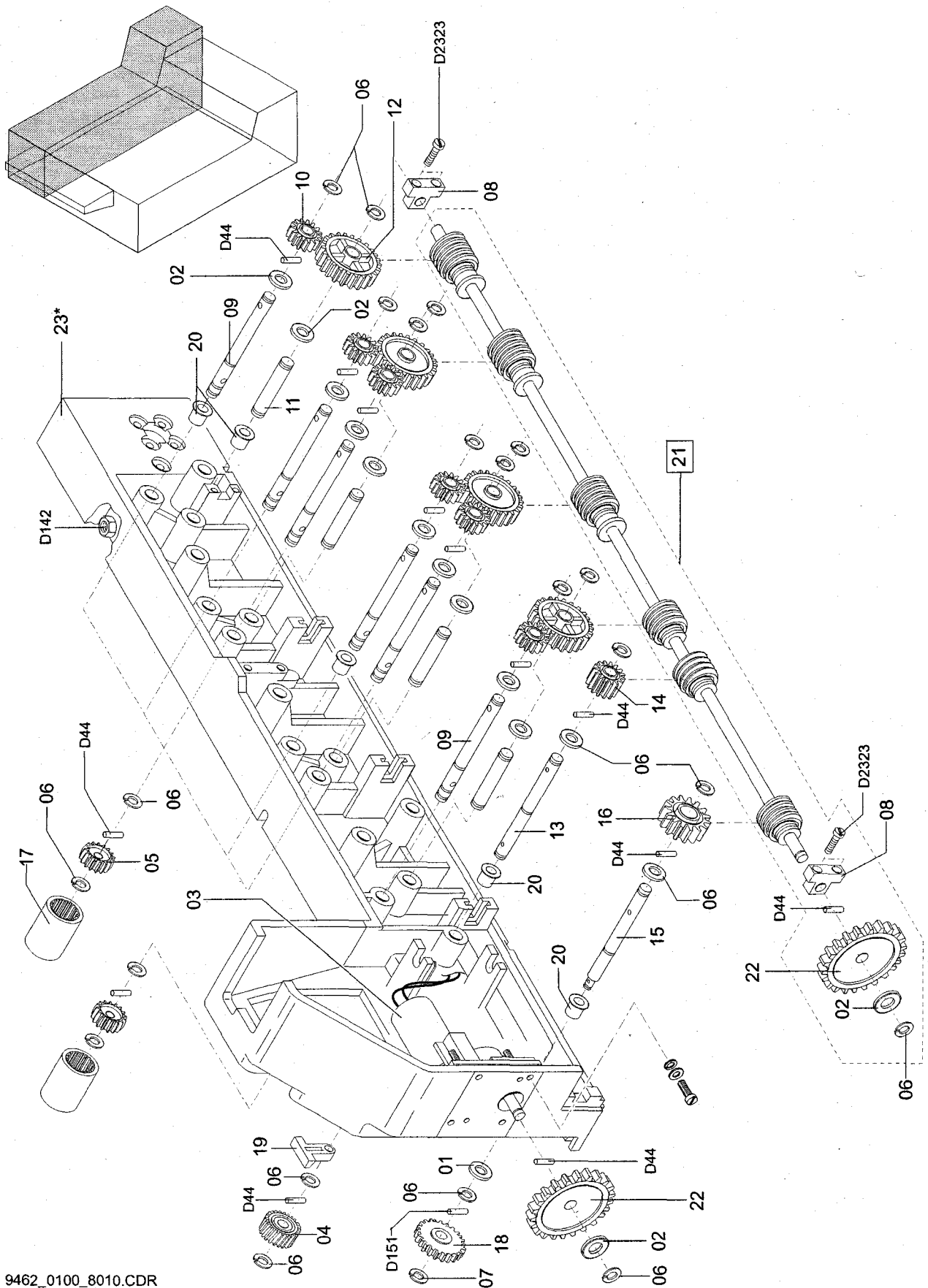
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible départ stock. Délai prolongé en cas de commande.

ANTRIEBSPLATINE
DRIVE PLATE
PLAQUE D'ENTRAINEMENT



9462_0100_8010.CDR

ANTRIEBSPLATINE
DRIVE PLATE
PLAQUE D'ENTRAINEMENT

Pos. no.	Part No.	Description
Pos. no.	Nr. de Ref.	Denomination

Nur gültig für CURIX 60 / CP 1000 / Typ 9462 / 106/206/846
Only valid for CURIX 60 / CP 1000 / Type 9462 / 106/206/846
Valable uniquement pour CX 60 / CP 1000 / Typ 9462 106/206/846

01	CM+9.0326.8910.0	SCHEIBE / WASHER / RONDELLE
02	CM+9.0327.3800.0	SCHEIBE / WASHER / RONDELLE
03	CM+9.0430.8321.0	CX60 / 106 – CP1000 / 206/846 GETRIEBEMOTOR (DC) / GEAR MOTOR / MOTEUR D'ENGRENAGE
04	CM+9.8187.6655.1	SCHRÄGSTIRNRAD M=1 / Z=22 / HELICAL SPUR GEAR M=1 / TEETH=22 / ROUE HELICOIDALE M=1 / DENTS=22
05	CM+9.9402.1101.1	GERADSTIRNRAD M=1,5 / Z=15 / SPUR GEAR M=1,5 / TEETH=15 / ROUE DENTEE M=1,5 / DENTS=15
06	CM+9.9402.1129.0	SICHERUNGSSCHEIBE / RETAINER RING / RONDELLE D'ARRET
07	CM+9.9432.3025.0	SICHERUNGSSCHEIBE / RETAINER RING / RONDELLE D'ARRET
08	CM+9.9460.2258.0	LAGER / BEARING / PALIER
09	CM+9.9462.1203.2	WELLE / SHAFT / ARBRE
* 10	CM+9.9462.1204.0	SCHRAEGSTIRNRAD M=1 / Z=25 / HELICAL SPUR GEAR M=1 / TEETH=25 / ROUE HELICOIDALE M=1 / DENTS=25
11	CM+9.9462.1205.1	ACHSE / SHAFT / ARBRE
12	CM+9.9462.1206.0	SCHRAEGSTIRNRAD M=1 / Z=46 / HELICAL SPUR GEAR M=1 / TEETH=46 / ROUE HELICOIDALE M=1 / DENTS=46
13	CM+9.9462.1211.1	WELLE / SHAFT / ARBRE
* 14	CM+9.9462.1212.0	SCHRAEGSTIRNRAD M=1 / Z=24 / HELICAL SPUR GEAR M=1 / TEETH=24 / ROUE HELICOIDALE M=1 / DENTS=24
15	CM+9.9462.1213.2	WELLE / SHAFT / ARBRE
* 16	CM+9.9462.1214.0	SCHRAEGSTIRNRAD M=1 / Z=32 / SCHRAEGSTIRNRAD M=1 / Z=32 / ROUE HELICOIDALE M=1 / DENTS=32
17	CM+9.9462.1215.0	KUPPLUNGSROHR / PIPE UNION / RACCORD
18	CM+9.9462.1218.0	GERADSTIRNRAD M=1 / Z=33 / SPUR GEAR M=1 / TEETH=33 / ROUE DENTEE M=1 / DENTS=33
19	CM+9.9462.1221.1	PLATTE / PLATE / PLAQUE
20	CM+9.9462.1253.3	BUCHSE / BUSHING / DOUILLE
21	CM+9.9462.1270.1	ANTRIEBSWELLE VOLLST. / DRIVE SHAFT ASSY / ARBRE D'ENTRAINEMENT COMPL.
* 22	CM+9.9462.1275.0	GERADSTIRNRAD M=1 / Z=67 / SPUR GEAR M=1 / TEETH=67 / ROUE DENTEE M=1 / DENTS=67
23	CM+9.9463.1320.0*	ANTRIEBSPLATTE / DRIVE PLATE / PLAQUE D'ENTRAINEMENT

□=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

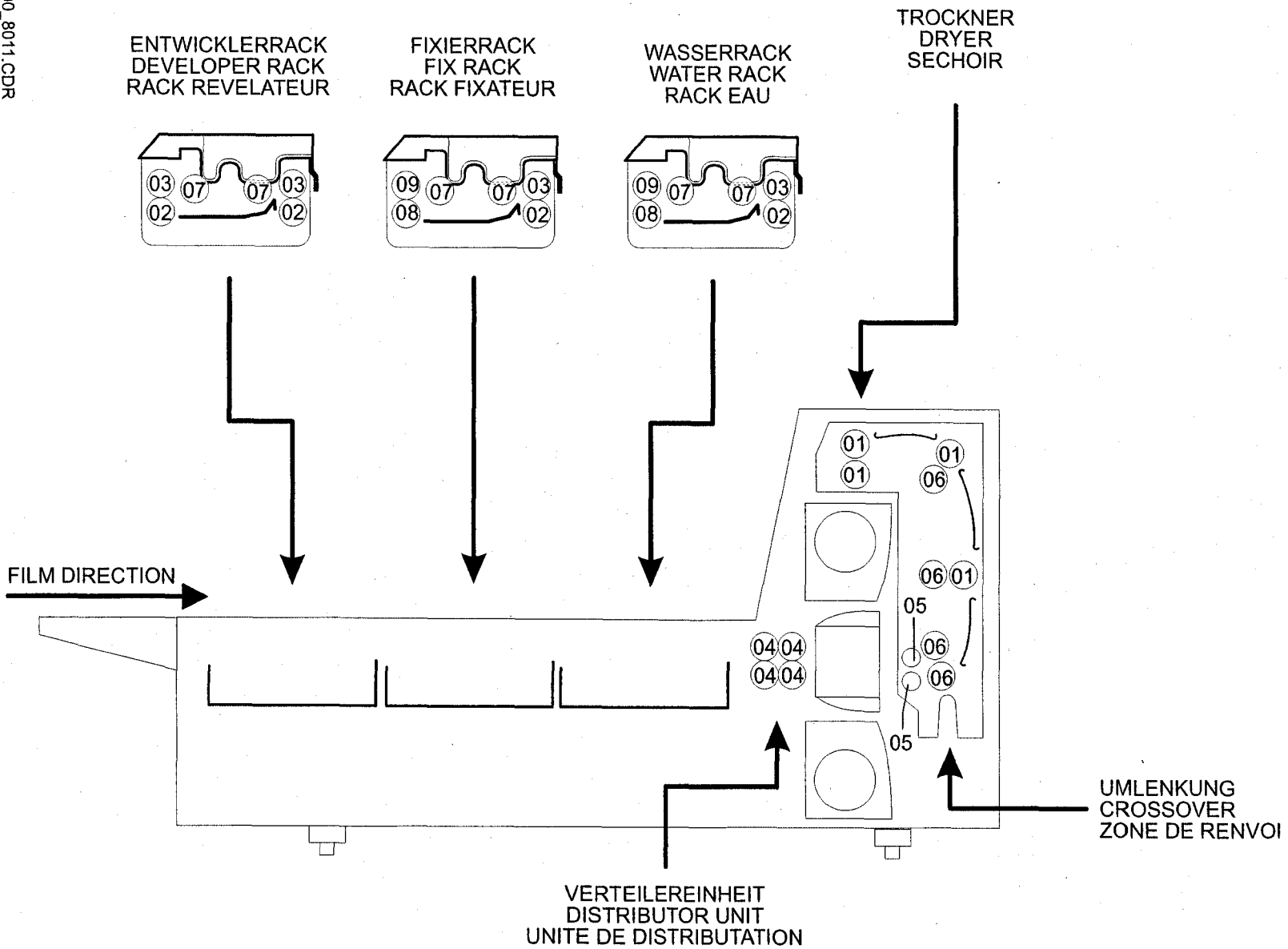
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible de part stock. Délai prolongé en cas de commande.

ANTRIEBSPLATINE
DRIVE PLATE
PLAQUE D'ENTRAINEMENT



9462_0100_8011.CDR

WALZENSCHHEMA
ROLLER POSITIONING PLAN
SCHEMA DES ROULEAUX

Item no.	Part No.	Description
Pos. no.	Nr. de Ref.	Denomination

Nur gültig für CURIX 60 / Typ 9462 / 105/155/165/106
Only valid for CURIX 60 / Type 9462 / 105/155/165/106
Valable uniquement pour CURIX 60 / Typ 9462 / 105/155/165/106

01	CM+9.9462.1440.3	WALZE PUR GELB / ROLLER PUR YELLOW / ROULEAU PUR JAUNE
02	CM+9.9432.2110.3	WALZE GRAU ELASTOMER / RUBBER ROLLER GREY / ROULEAU GRIS
03	CM+9.9432.2150.4	WALZE GRAU ELASTOMER / RUBBER ROLLER GREY / ROULEAU GRIS
04	CM+9.9460.2330.0	WALZE GRAU ELASTOMER / RUBBER ROLLER GREY / ROULEAU GRIS
05	CM+9.9462.1380.0	GUMMIWALZE D=16MM / RUBBER ROLLER D=16MM / ROULEAU EN CAOUTCHOUC D=16MM
06	CM+9.9462.1400.0	GUMMIWALZE VOLLST. D=24MM / RUBBER ROLLER ASSY D=24MM / ROULEAU EN CAOUTCHOUC COMPL. D=24MM
07	CM+9.9462.6220.2	WALZE PUR GELB / ROLLER PUR YELLOW / ROULEAU PUR JAUNE
08	CM+9.9462.6320.2	WALZE PUR GELB / ROLLER PUR YELLOW / ROULEAU PUR JAUNE
09	CM+9.9462.6360.2	WALZE PUR GELB / ROLLER PUR YELLOW / ROULEAU PUR JAUNE

☐=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

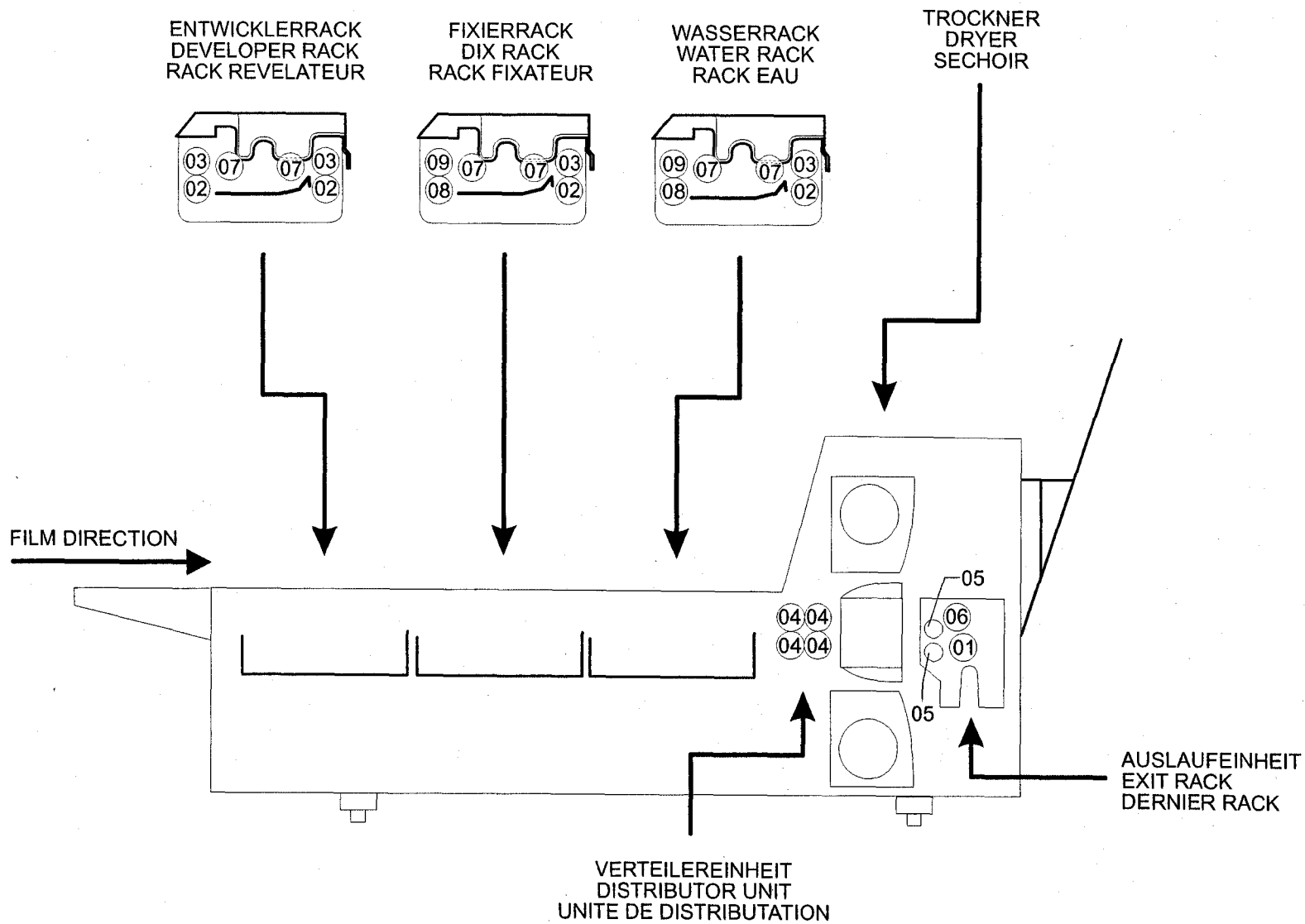
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachee n'est pas disponible depart stock. Délai prolongé en cas de commande.

WALZENSCHEMA
ROLLER POSITIONING PLAN
SCHEMA DES ROULEAUX



9462_0100_8012.CDR

WALZENSCHHEMA
ROLLER POSITIONING PLAN
SCHEMA DES ROULEAUX

Item no.	Part No.	Description
Pos. no.	Nr. de Ref.	Denomination

Nur gültig für CP 1000 / Typ 9462 / 205/285/845/206/846
Only valid for CP 1000 / Type 9462 / 205/285/845/206/846
Valable uniquement pour CP 1000 / Typ 9462 / 205/285/845/206/846

01	CM+9.9462.1250.0	WALZE GRAU ELASTOMER / RUBBER ROLLER GREY / ROULEAU GRIS
02	CM+9.9432.2110.3	WALZE GRAU ELASTOMER / RUBBER ROLLER GREY / ROULEAU GRIS
03	CM+9.9432.2150.4	WALZE GRAU ELASTOMER / RUBBER ROLLER GREY / ROULEAU GRIS
04	CM+9.9460.2330.0	WALZE GRAU ELASTOMER / RUBBER ROLLER GREY / ROULEAU GRIS
05	CM+9.9462.1380.0	GUMMIWALZE D=16MM / RUBBER ROLLER D=16MM / ROULEAU EN CAOUTCHOUC D=16MM
06	CM+9.9462.1400.0	GUMMIWALZE VOLLST. D=24MM / RUBBER ROLLER ASSY D=24MM / ROULEAU EN CAOUTCHOUC COMPL. D=24MM
07	CM+9.9462.6220.2	WALZE PUR GELB / ROLLER PUR YELLOW / ROULEAU PUR JAUNE
08	CM+9.9462.6320.2	WALZE PUR GELB / ROLLER PUR YELLOW / ROULEAU PUR JAUNE
09	CM+9.9462.6360.2	WALZE PUR GELB / ROLLER PUR YELLOW / ROULEAU PUR JAUNE

☐=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

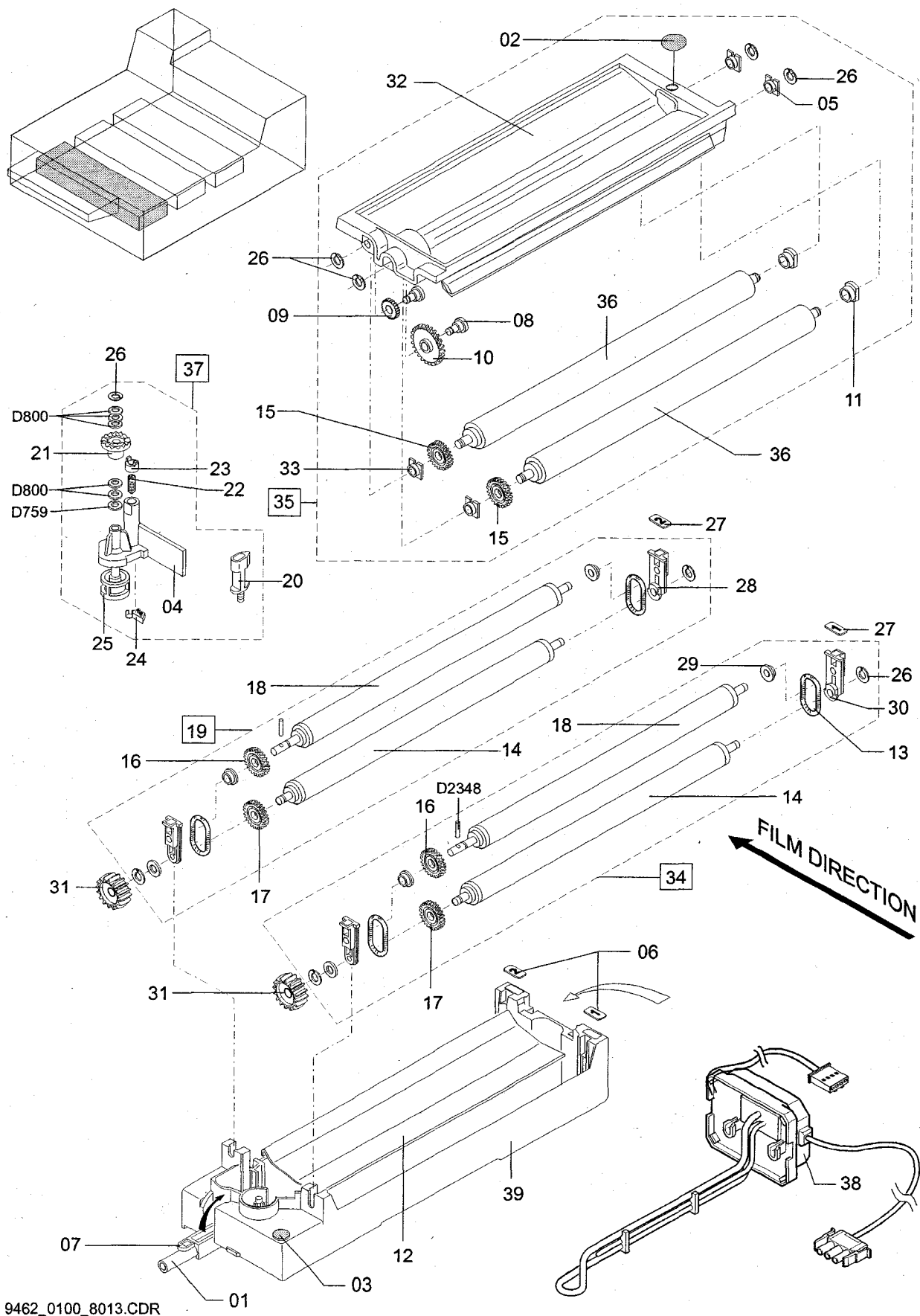
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible départ stock. Délai prolongé en cas de commande.

WALZENSCHEMA
ROLLER POSITIONING PLAN
SCHEMA DES ROULEAUX



ENTWICKLERWANNE
DEVELOPER TRAY
CUVETTE RÉVÉLATEUR

Item no. Pos. no.	Part No. Nr. de Ref.	Description Denomination
01	CM+0.0000.6415.9	SCHLAUCH 9X1,5-SILOPREN SM71H --- 9.9432.2003.1, L=140MM / HOSE SILOPREN SM71H --- 9.9432.2003.1, L=140MM / TUYAU FLEXIBLE SILOPREN SM71 --- 9.9432.2003.1, L=140MMH
02	CM+9.0374.7294.0	KLEBESCHILD, ROT / LABEL, RED / ETIQUETTE, ROUGE
03	CM+9.0374.7298.0	KLEBESCHILD, ROT / LABEL, RED / ETIQUETTE, ROUGE
04	CM+9.8370.2616.0	PUMPENKÖRPER - E / PUMP BODY - D / CORPS DE POMPE - R
05	CM+9.94201201.0	LAGER / BEARING / PALIER
06	CM+9.9432.1006.1	NUMMERN-ETIKETT / NUMBER LABEL / ETIQUETTE NUMERIQUE
07	CM+9.9432.2002.0	SCHWENKARM / SWINGING BRACKET / BRAS PIVOTANT
08	CM+9.9432.2022.2	LAGERBOLZEN / BAEARING BOLT / BOULON DE PALIER
09	CM+9.9432.2025.1	SCHRAEGSTIRNRAD M=1 / Z=12 / HELICAL SPUR GEAR M=1 / TEETH=12 / ROUE HELICOIDALE M=1 / DENTS=12
10	CM+9.9432.2026.1	SCHRAEGSTIRNRAD M=1 / Z=28 / HELICAL SPUR GEAR M=1 / TEETH=28 / ROUE HELICOIDALE M=1 / DENTS=28
11	CM+9.9432.2028.4	BUCHSE / BUSHING / DOUILLE
12	CM+9.9432.2090.2	LEITBLECH / GUIDE PLATE / PLAQUE DE GUIDAGE
13	CM+9.9432.2109.1	ZUGFEDER / TENSION SPRING / RESSORT DE TRACTION
14	CM+9.9432.2110.3	WALZE GRAU ELASTOMER / RUBBER ROLLER GREY / ROULEAU GRIS
15	CM+9.9432.2111.0	SCHRAEGSTIRNRAD M=1 / Z=20 / HELICAL SPUR GEAR M=1 / TEETH=20 / ROUE HELICOIDALE M=1 / DENTS=20
16	CM+9.9432.2115.0	SCHRAEGSTIRNRAD M=1 / Z=20 / HELICAL SPUR GEAR M=1 / TEETH=20 / ROUE HELICOIDALE M=1 / DENTS=20
17	CM+9.9432.2116.0	SCHRAEGSTIRNRAD M=1 / Z=20 / HELICAL SPUR GEAR M=1 / TEETH=20 / ROUE HELICOIDALE M=1 / DENTS=20
18	CM+9.9432.2150.4	WALZE GRAU ELASTOMER / RUBBER ROLLER GREY / ROULEAU GRIS
19	CM+9.9432.2180.4	WALZEN MONTIERT D=25MM / ROLLER MOUNTED D=25MM / ROULEAU MONTE D=25MM
20	CM+9.9432.2720.0	RIEGEL / LATCH / VEROU
21	CM+9.9432.2854.2	KRONENRAD / CROWN GEAR / ROUE DE CHANT
22	CM+9.9432.2859.0	GEWINDESTIFT / SET SCREW / VIS SANS TETE
23	CM+9.9432.2861.0	MUTTER / NUT / ECROU
24	CM+9.9432.2872.1	FUELLSTUECK / FILLER PLUG / COIN PLASTIC
25	CM+9.9432.2880.2	LAUFRAD / DRIVE WHEEL / ROUE PORTEUSE
26	CM+9.9432.3025.0	SICHERUNGSSCHEIBE / RETAINER RING / RONDELLE D'ARRET
27	CM+9.9441.1007.1	NUMMERN-ETIKETT FÜR 4 GERÄTE / NUMBER LABEL FOR 4 MACHINES / ETIQUETTE NUMERIQUE POUR 4 USTENSILES
28	CM+9.9441.2052.1	LAGER / BEARING / PALIER
29	CM+9.9441.2053.0	BUCHSE / BUSHING / DOUILLE

□=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

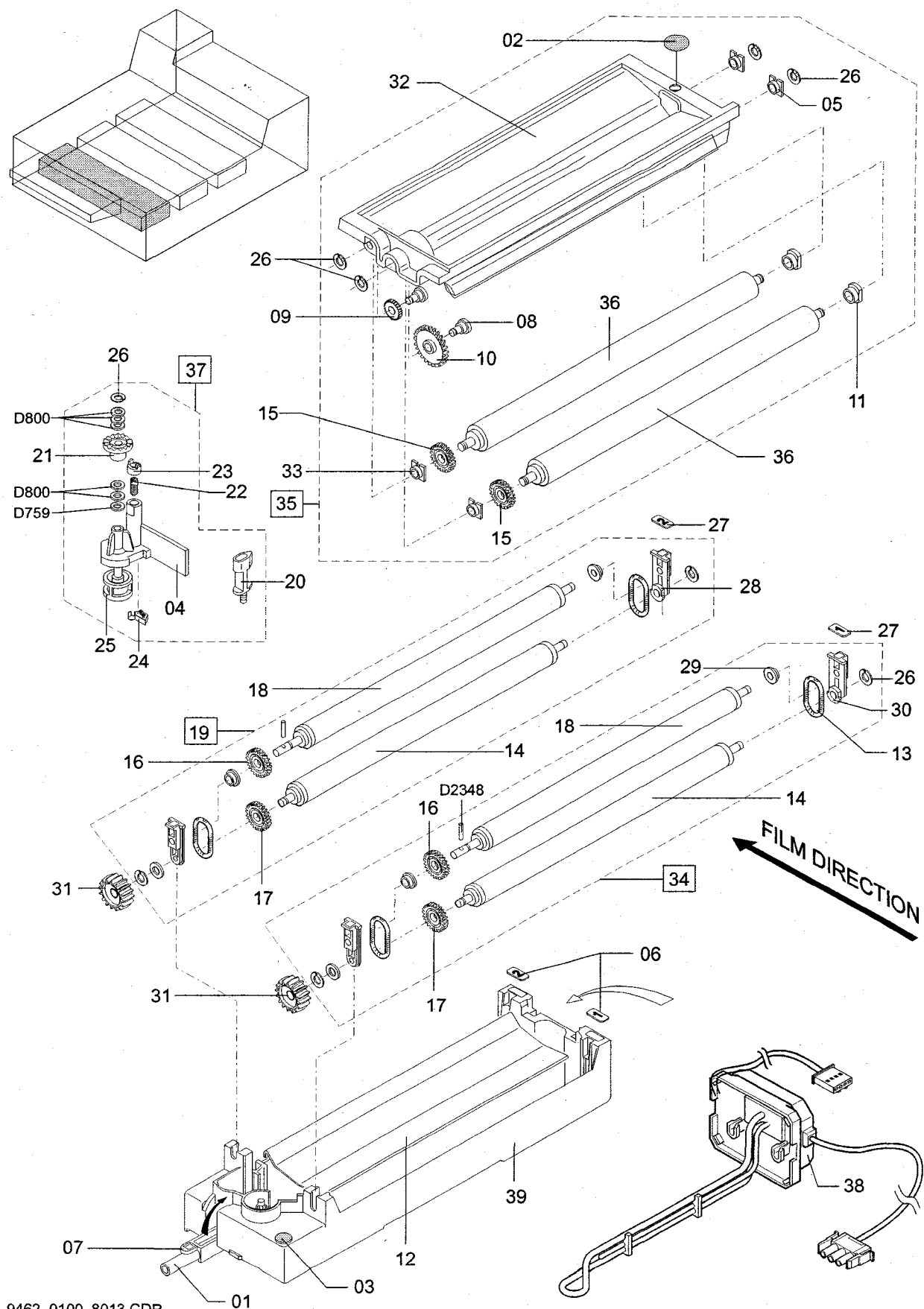
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible départ stock. Délai prolongé en cas de commande.

ENTWICKLERWANNE DEVELOPER TRAY CUVETTE RÉVÉLATEUR



9462_0100_8013.CDR

ENTWICKLERWANNE
DEVELOPER TRAY
CUVETTE RÉVÉLATEUR

Item no. Pos. no.	Part No. Nr. de Ref.	Description Denomination
30	CM+9.9441.2101.0	LAGER / BEARING / PALIER
31	CM+9.9462.1027.0	GERADSTIRNRAD M=1,5 / Z=15 / SPUR GEAR M=1,5 / TEETH=15 / ROUE DENTEE M=1,5 / DENTS=15
32	CM+9.9462.1611.1	ROLLENHALTER / ROLLER HOLDER / ROULEAUX GUIDAGE
33	CM+9.9462.1612.0	LAGER / BEARING / PALIER
34	CM+9.9462.1620.0	WALZEN MONTIERT D=25MM / ROLLER MOUNTED D=25MM / ROULEAU MONTE D=25MM
35	CM+9.9462.6210.0	BADABDECKUNG MONTIERT / BATH COVER MOUNTED / RECOUVREMENT DES BAINS MONTE
36	CM+9.9462.6220.2	WALZE PUR GELB / ROLLER PUR YELLOW / ROULEAU PUR JAUNE
37	CM+9.9462.9110.0	PUMPE - E / PUMP - D / POMPE - R
38	CM+9.9463.1900.0	CP1000 / 205/285 HEIZUNG 230V/50HZ / HEATER / CHAUFFAGE
38	CM+9.8370.2655.0	CP1000 / 845 HEIZUNG 120V/60HZ / HEATER / CHAUFFAGE
38	CM+9.9463.1950.0	CX60 / 105/155/106 - CP1000 / 206 ELEKTRONISCHE HEIZUNG 230V/50HZ/60HZ / ELECTRONIC HEATER / ÉLECTRONIQUE CHAUFFAGE
38	CM+9.9463.1930.0	CX60 / 165 - CP1000 / 846 ELEKTRONISCHE HEIZUNG 120V/60HZ / ELECTRONIC HEATER / ÉLECTRONIQUE CHAUFFAGE
39	CM+9.9463.2110.0	WANNE ENTWICKLER - FIXIER / TANK DEVELOPER - FIXER / CUVE RÉVÉLATEUR - FIXATEUR

☐=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

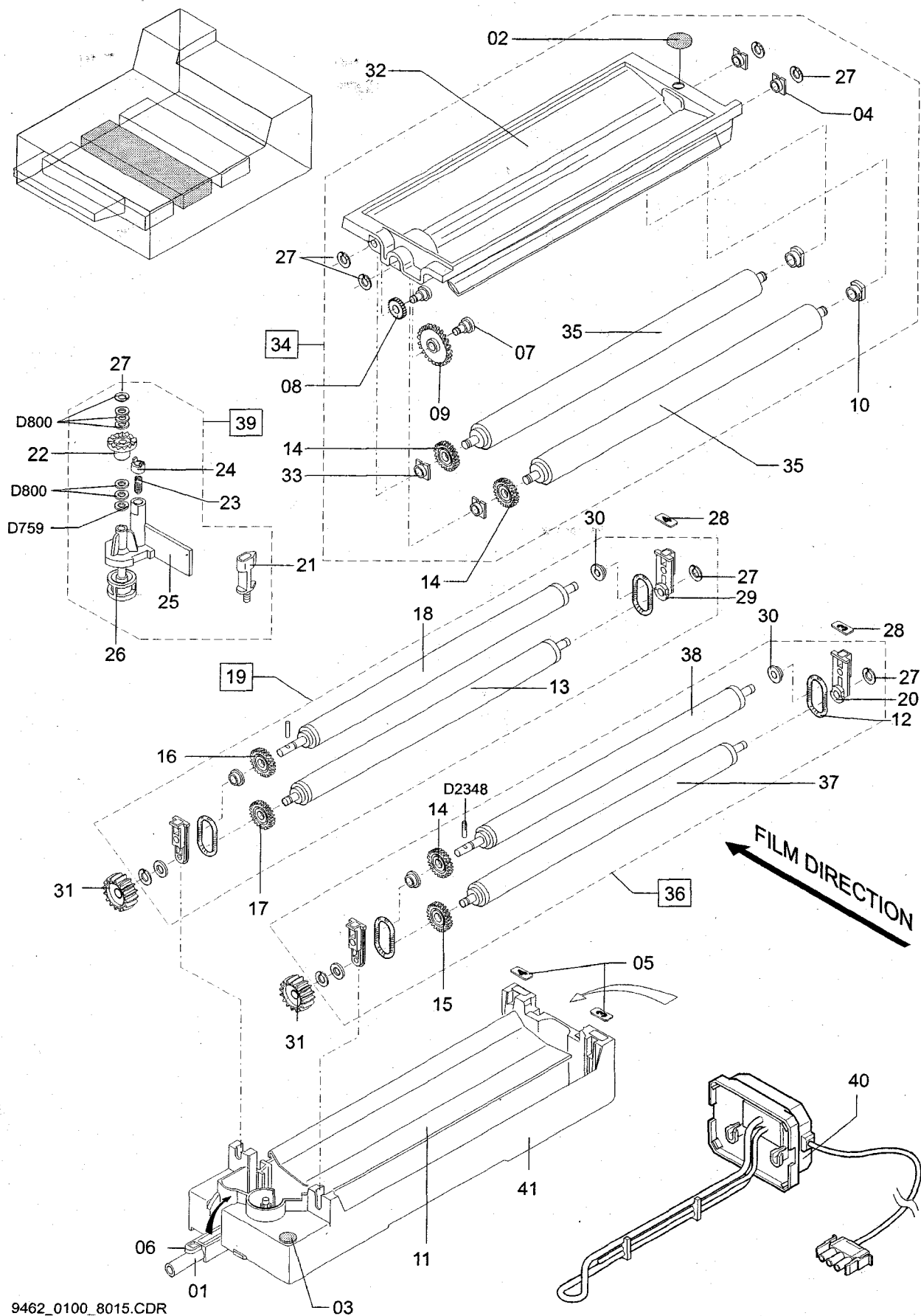
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible départ stock. Délai prolongé en cas de commande.

ENTWICKLERWANNE
DEVELOPER TRAY
CUVETTE RÉVÉLATEUR



9462_0100_8015.CDR

FIXIERWANNE
FIXER TRAY
CUVETTE FIXATEUR

Item no. Pos. no.	Part No. Nr. de Ref.	Description Denomination
01	CM+0.0000.6415.9	SCHLAUCH 9X1,5-SILOPREN SM71H --- 9.9432.2003.1, L=140MM / HOSE SILOPREN SM71H --- 9.9432.2003.1, L=140MM / TUYAU FLEXIBLE SILOPREN SM71 --- 9.9432.2003.1, L=140MMH
02	CM+9.0374.7291.0	KABELSCHILD, BLAU / LABEL, BLUE / ETIQUETTE, BLEU
03	CM+9.0374.7295.0	KABELSCHILD, BLAU / LABEL, BLUE / ETIQUETTE, BLEU
04	CM+9.94201201.0	LAGER / BEARING / PALIER
05	CM+9.9432.1006.1	NUMMERN-ETIKETT / NUMBER LABEL / ETIQUETTE NUMERIQUE
06	CM+9.9432.2002.0	SCHWENKARM / SWINGING BRACKET / BRAS PIVOTANT
07	CM+9.9432.2022.2	LAGERBOLZEN / BAEBARING BOLT / BOULON DE PALIER
08	CM+9.9432.2025.1	SCHRAEGSTIRNRAD M=1 / Z=12 / HELICAL SPUR GEAR M=1 / TEETH=12 / ROUE HELICOIDALE M=1 / DENTS=12
09	CM+9.9432.2026.1	SCHRAEGSTIRNRAD M=1 / Z=28 / HELICAL SPUR GEAR M=1 / TEETH=28 / ROUE HELICOIDALE M=1 / DENTS=28
10	CM+9.9432.2028.4	BUCHSE / BUSHING / DOUILLE
11	CM+9.9432.2090.2	LEITBLECH / GUIDE PLATE / PLAQUE DE GUIDAGE
12	CM+9.9432.2109.1	ZUGFEDER / TENSION SPRING / RESSORT DE TRACTION
13	CM+9.9432.2110.3	WALZE GRAU ELASTOMER / RUBBER ROLLER GREY / ROULEAU GRIS
14	CM+9.9432.2111.0	SCHRAEGSTIRNRAD M=1 / Z=20 / HELICAL SPUR GEAR M=1 / TEETH=20 / ROUE HELICOIDALE M=1 / DENTS=20
15	CM+9.9432.2112.0	SCHRÄGSTIRNRAD M=1 / Z=20 / HELICAL SPUR GEAR M=1 / TEETH=20 / ROUE HELICOIDALE M=1 / DENTS=20
16	CM+9.9432.2115.0	SCHRAEGSTIRNRAD M=1 / Z=20 / HELICAL SPUR GEAR M=1 / TEETH=20 / ROUE HELICOIDALE M=1 / DENTS=20
17	CM+9.9432.2116.0	SCHRAEGSTIRNRAD M=1 / Z=20 / HELICAL SPUR GEAR M=1 / TEETH=20 / ROUE HELICOIDALE M=1 / DENTS=20
18	CM+9.9432.2150.4	WALZE GRAU ELASTOMER / RUBBER ROLLER GREY / ROULEAU GRIS
19	CM+9.9432.2180.4	WALZEN MONTIERT D=25MM / ROLLER MOUNTED D=25MM / ROULEAU MONTE D=25MM
20	CM+9.9432.2312.0	LAGER / BEARING / PALIER
21	CM+9.9432.2720.0	RIEGEL / LATCH / VEROU
22	CM+9.9432.2854.2	KRONENRAD / CROWN GEAR / ROUE DE CHANT
23	CM+9.9432.2859.0	GEWINDESTIFT / SET SCREW / VIS SANS TETE
24	CM+9.9432.2861.0	MUTTER / NUT / ECROU
25	CM+9.9432.2870.2	PUMPENKÖRPER - F / PUMP BODY - F / CORPS DE POMPE - F
26	CM+9.9432.2880.2	LAUFRAD / DRIVE WHEEL / ROUE PORTEUSE
27	CM+9.9432.3025.0	SICHERUNGSSCHEIBE / RETAINER RING / RONDELLE D'ARRET
28	CM+9.9441.1007.1	NUMMERN-ETIKETT FÜR 4 GERÄTE / NUMBER LABEL FOR 4 MACHINES / ETIQUETTE NUMERIQUE POUR 4 USTENSILES
29	CM+9.9441.2052.1	LAGER / BEARING / PALIER

□=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

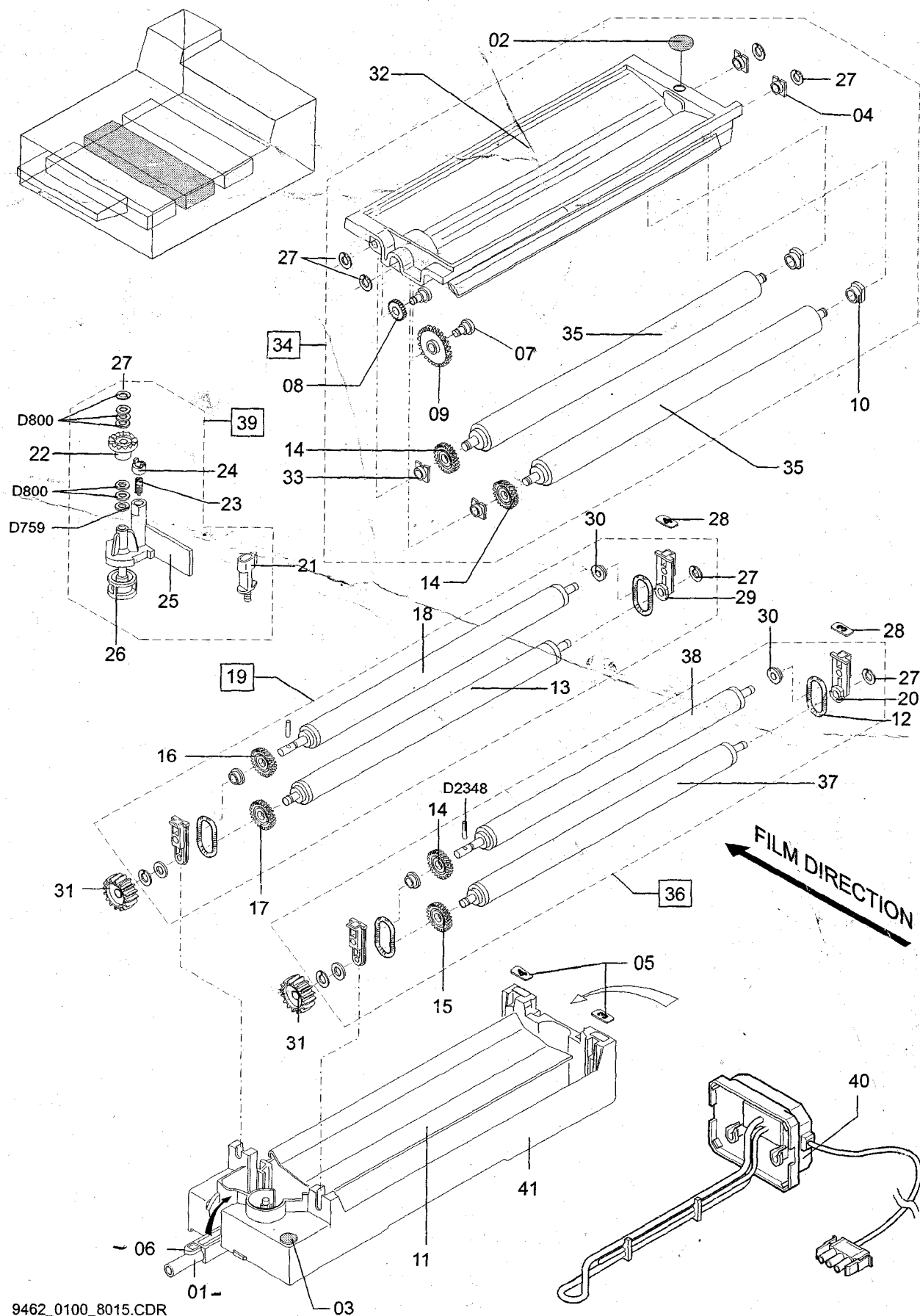
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible de part stock. Délai prolongé en cas de commande.

FIXIERWANNE FIXER TRAY CUVETTE FIXATEUR



9462_0100_8015.CDR

FIXIERWANNE
 FIXER TRAY
 CUVETTE FIXATEUR

Item no. Pos. no.	Part No. Nr. de Ref.	Description Denomination
01	CM+0.0000.6415.9	SCHLAUCH 9X1,5-SILOPREN SM71H --- 9.9432.2003.1, L=140MM / HOSE SILOPREN SM71H --- 9.9432.2003.1, L=140MM / TUYAU FLEXIBLE SILOPREN SM71 --- 9.9432.2003.1, L=140MMH
02	CM+9.0374.7293.0	KABELSCHILD, WEISS / LABEL, WHITE / ETIQUETTE, BLANC
03	CM+9.0374.7297.0	KABELSCHILD, WEISS / LABEL, WHITE / ETIQUETTE, BLANC
04	CM+9.94201201.0	LAGER / BEARING / PALIER
05	CM+9.9432.1006.1	NUMMERN-ETIKETT / NUMBER LABEL / ETIQUETTE NUMERIQUE
06	CM+9.9432.2002.0	SCHWENKARM / SWINGING BRACKET / BRAS PIVOTANT
07	CM+9.9432.2022.2	LAGERBOLZEN / BAEBARING BOLT / BOULON DE PALIER
08	CM+9.9432.2025.1	SCHRAEGSTIRNRAD M=1 / Z=12 / HELICAL SPUR GEAR M=1 / TEETH=12 / ROUE HELICOIDALE M=1 / DENTS=12
09	CM+9.9432.2026.1	SCHRAEGSTIRNRAD M=1 / Z=28 / HELICAL SPUR GEAR M=1 / TEETH=28 / ROUE HELICOIDALE M=1 / DENTS=28
10	CM+9.9432.2028.4	BUCHSE / BUSHING / DOUILLE
11	CM+9.9432.2090.2	LEITBLECH / GUIDE PLATE / PLAQUE DE GUIDAGE
12	CM+9.9432.2109.1	ZUGFEDER / TENSION SPRING / RESSORT DE TRACTION
13	CM+9.9432.2110.3	WALZE GRAU ELASTOMER / RUBBER ROLLER GREY / ROULEAU GRIS
14	CM+9.9432.2111.0	SCHRAEGSTIRNRAD M=1 / Z=20 / HELICAL SPUR GEAR M=1 / TEETH=20 / ROUE HELICOIDALE M=1 / DENTS=20
15	CM+9.9432.2112.0	SCHRÄGSTIRNRAD M=1 / Z=20 / HELICAL SPUR GEAR M=1 / TEETH=20 / ROUE HELICOIDALE M=1 / DENTS=20
16	CM+9.9432.2115.0	SCHRAEGSTIRNRAD M=1 / Z=20 / HELICAL SPUR GEAR M=1 / TEETH=20 / ROUE HELICOIDALE M=1 / DENTS=20
17	CM+9.9432.2116.0	SCHRAEGSTIRNRAD M=1 / Z=20 / HELICAL SPUR GEAR M=1 / TEETH=20 / ROUE HELICOIDALE M=1 / DENTS=20
18	CM+9.9432.2150.4	WALZE GRAU ELASTOMER / RUBBER ROLLER GREY / ROULEAU GRIS
19	CM+9.9432.2180.4	WALZEN MONTIERT D=25MM / ROLLER MOUNTED D=25MM / ROULEAU MONTE D=25MM
20	CM+9.9432.2312.0	LAGER / BEARING / PALIER
21	CM+9.9432.2720.0	RIEGEL / LATCH / VEROU
22	CM+9.9432.2854.2	KRONENRAD / CROWN GEAR / ROUE DE CHANT
23	CM+9.9432.2859.0	GEWINDESTIFT / SET SCREW / VIS SANS TETE
24	CM+9.9432.2861.0	MUTTER / NUT / ECROU
25	CM+9.9432.2880.2	LAUFRAD / DRIVE WHEEL / ROUE PORTEUSE
26	CM+9.9432.2922.3	PUMPENKÖRPER - W / PUMP BODY / CORPS DE POMPE
27	CM+9.9432.3025.0	SICHERUNGSSCHEIBE / RETAINER RING / RONDELLE D'ARRET
28	CM+9.9441.1007.1	NUMMERN-ETIKETT FÜR 4 GERÄTE / NUMBER LABEL FOR 4 MACHINES / ETIQUETTE NUMERIQUE POUR 4 USTENSILES
29	CM+9.9441.2052.1	LAGER / BEARING / PALIER

☐=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilliste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

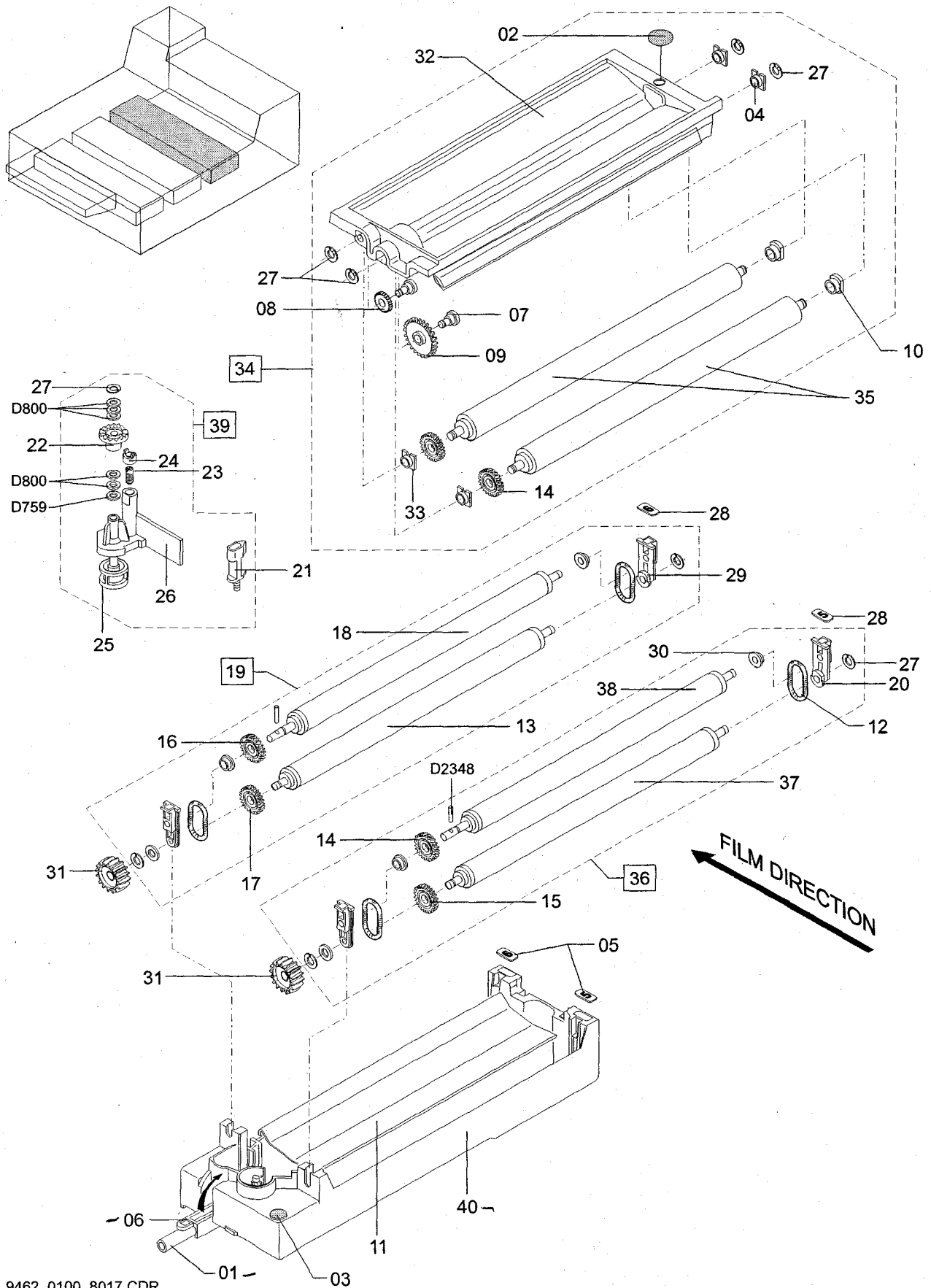
*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachee n'est pas disponible depart stock. Délai prolongé en cas de commande.

WÄSSERUNGSWANNE

WASH TRAY

CUVETTE LAVAGE



WÄSSERUNGSWANNE
WASH TRAY
CUVETTE LAVAGE

Item no. Pos. no.	Part No. Nr. de Ref.	Description Denomination
30	CM+9.9441.2053.0	BUCHSE / BUSHING / DOUILLE
31	CM+9.9462.1027.0	GERADSTIRNRAD M=1,5 / Z=15 / SPUR GEAR M=1,5 / TEETH=15 / ROUE DENTEE M=1,5 / DENTS=15
32	CM+9.9462.1611.1	ROLLENHALTER / ROLLER HOLDER / ROULEAUX GUIDAGE
33	CM+9.9462.1612.0	LAGER / BEARING / PALIER
☒ 34	CM+9.9462.6210.0	BADABDECKUNG MONTIERT / BATH COVER MOUNTED / RECOUVREMENT DES BAINS MONTE
35	CM+9.9462.6220.2	WALZE PUR GELB / ROLLER PUR YELLOW / ROULEAU PUR JAUNE
☒ 36	CM+9.9462.6310.0	WALZEN MONTIERT / ROLLER MOUNTED / ROULEAU MONTE
37	CM+9.9462.6320.2	WALZE PUR GELB / ROLLER PUR YELLOW / ROULEAU PUR JAUNE
38	CM+9.9462.6360.2	WALZE PUR GELB / ROLLER PUR YELLOW / ROULEAU PUR JAUNE
☒ 39	CM+9.9462.9130.0	PUMPE - W / PUMP / POMPE
40	CM+9.9463.2310.0	WÄSSERUNGSWANNE / TANK SOAK / CUVE DE LAVAGE

☐=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

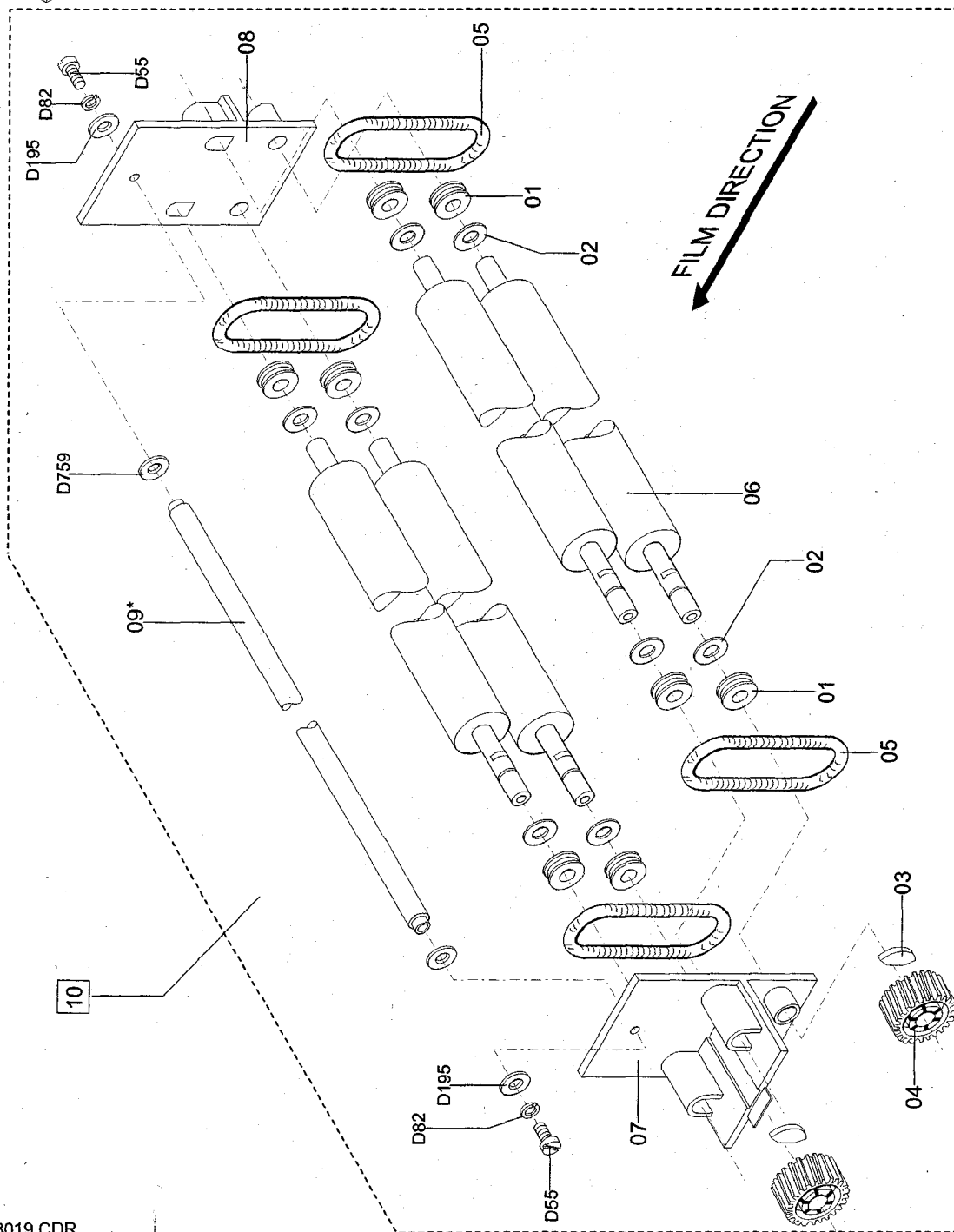
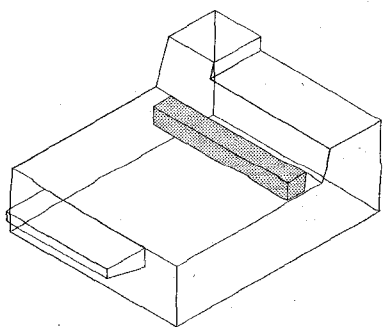
*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible départ stock. Délai prolongé en cas de commande.

WÄSSERUNGSWANNE

WASH TRAY

CUVETTE LAVAGE



9462_0100_8019.CDR

VERTEILEREINHEIT
DISTRIBUTOR UNIT
UNITE DE DISTRIBUTION

Item no. Pos. no.	Part No. Nr. de Ref.	Description Denomination
01	CM+9.8155.4401.4	RILLENBUCHSE / GROOVED BUSH / DOUILLE A GORGES
02	CM+9.8157.6225.0	SCHEIBE / WASHER / RONDELLE
03	CM+9.8187.6862.1	SEGMENT / SEGMENT / SEGMENT
04	CM+9.8187.6863.0	ZAHNRAD M=1 / Z=22 / HELICAL SPUR GEAR M=1 / TEET=22 / ROUE DENTEE M=1 / DENTS=22
05	CM+9.9432.2109.1	ZUGFEDER / TENSION SPRING / RESSORT DE TRACTION
06	CM+9.9460.2330.0	WALZE GRAU ELASTOMER / RUBBER-ROLLER GREY / ROULEAU GRIS
07	CM+9.9462.6901.2	LAGERPLATTE / BEARING PLATE / PLAQUE DE PALIER
08	CM+9.9462.6902.2	LAGERPLATTE / BEARING PLATE / PLAQUE DE PALIER
09	CM+9.9462.6903.0*	STANGE / ROD / BARRE
☒ 10	CM+9.9462.6900.0	VERTEILEREINHEIT / DISTRIBUTOR UNIT / UNITE DE DISTRIBUTION

☐=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

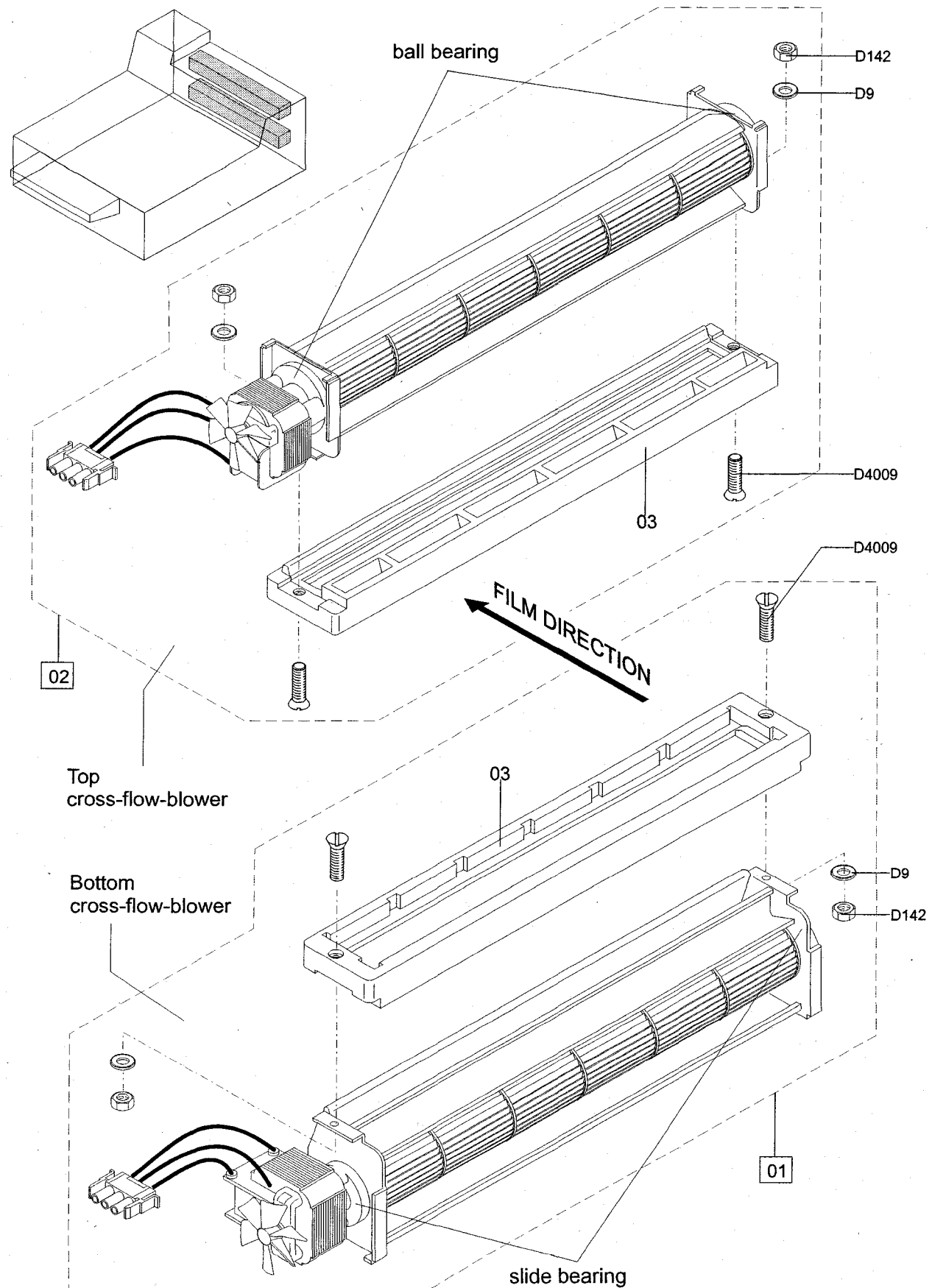
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible départ stock. Délai prolongé en cas de commande.

VERTEILEREINHEIT
DISTRIBUTOR UNIT
UNITE DE DISTRIBUTION



9462_0100_8020.CDR

QUERSTROMGEBLÄSE
CROSS-FLOW BLOWER
VENTILATEUR TRANSVERSAL

Item no. Pos. no.	Part No. Nr. de Ref.	Description Denomination
01	CM+9.0431.7229.0	CX60 / 106 - CP1000 / 206/846 QUERSTROMGEBLÄSE (230V/50HZ / 60HZ) - GLEITLAGER / CROSS-FLOW BLOWER - SLIDE BEARING / VENTILATEUR TRANSVERSAL - PALIER LISSE
01	CM+9.9462.1880.0	CX60 / 105/155 - CP1000 / 205/285 QUERSTROMGEBLÄSE (230V/50HZ / 60HZ) - GLEITLAGER / CROSS-FLOW BLOWER - SLIDE BEARING / VENTILATEUR TRANSVERSAL - PALIER LISSE
01	CM+9.9462.4180.0	CX60 / 165 - CP1000 / 845 QUERSTROMGEBLÄSE (230V/50HZ / 60HZ) - GLEITLAGER / CROSS-FLOW BLOWER - SLIDE BEARING / VENTILATEUR TRANSVERSAL - PALIER LISSE
02	CM+9.0431.7230.0	CX60 / 106 - CP1000 / 206/846 QUERSTROMGEBLÄSE (230V/50HZ / 60HZ) - WÄZLAGER / CROSS-FLOW BLOWER - ROLLER BEARING / VENTILATEUR TRANSVERSAL - ROULEMENT
02	CM+9.9463.2050.0	CX60 / 105/155 - CP1000 / 205/285 QUERSTROMGEBLÄSE (230V/50HZ / 60HZ) - WÄZLAGER / CROSS-FLOW BLOWER - ROLLER BEARING / VENTILATEUR TRANSVERSAL - ROULEMENT
02	CM+9.9463.2070.0	CX60 / 165 - CP1000 / 845 QUERSTROMGEBLÄSE (230V/50HZ / 60HZ) - WÄZLAGER / CROSS-FLOW BLOWER - ROLLER BEARING / VENTILATEUR TRANSVERSAL - ROULEMENT
03	CM+9.9462.1021.0	MONTAGEPLATTE / MOUNTING PLATE / PLAQUE DE MONTAGE

CM+9 9463 207 00

□=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteileliste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

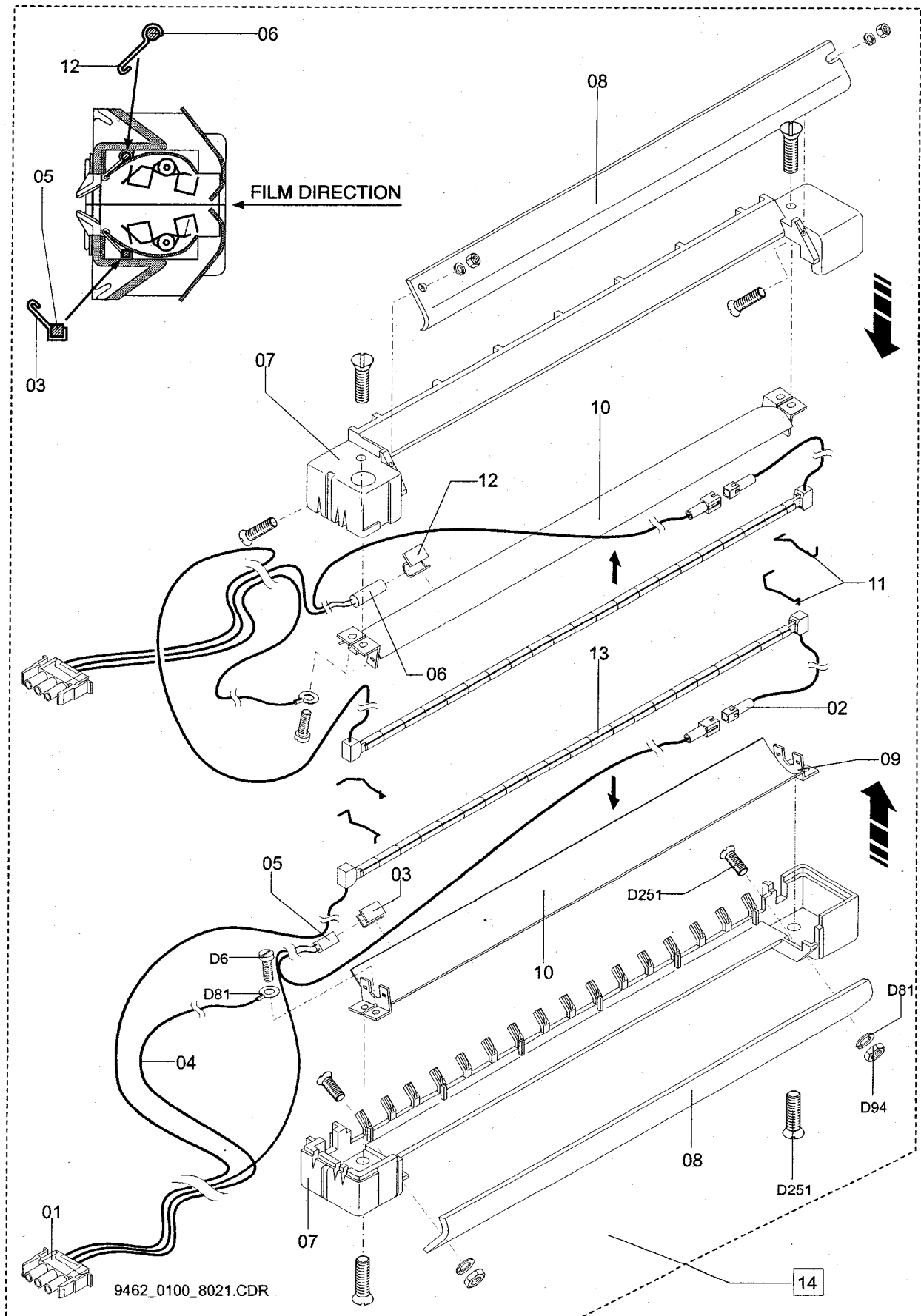
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible départ stock. Délai prolongé en cas de commande.

QUERSTROMGEBLÄSE
CROSS-FLOW BLOWER
VENTILATEUR TRANSVERSAL



TROCKNEREINHEIT
DRYER SECTION
SECHOIR

Item no. Pos. no.	Part No. Nr. de Ref.	Description Denomination
01	CM+9.0471.1327.0	STECKERGEHÄUSE 3POL / PLUG HOUSING / LOGEMENT DE PRISE
02	CM+9.0471.1351.0	STECKERGEHÄUSE 1POL / PLUG HOUSING / LOGEMENT DE PRISE
03	CM+9.8149.6801.0	HALTEFEDER / SPRING BOW / RESSORT DE RETENUE
04	CM+9.8149.6826.0	LITZE GNGE / CABLE / CABLE
05	CM+9.8149.6830.0	ÜBERHITZUNGSSCHUTZ 90°C / OVERHEAT PROTECTION 90°C / PROTECTION DE SURCHAUFFE 90°C
06	CM+9.8149.6910.0	ÜBERHITZUNGSSCHUTZ 110°C / OVERHEAT PROTECTION 110°C / PROTECTION DE SURCHAUFFE 110°C
07	CM+9.8187.6911.3	IR-GEHAEUSEHAELFTE / IR HOUSING SHELL / PARTIE DU BOITIER IR
08	CM+9.8187.6912.0	LUFTFUEHRUNG / GUIDE PLATE / PLAQUE DE GUIDAGE
09	CM+9.8187.6913.0	HALTERUNG / HOLDER / FIXATION
10	CM+9.8187.6914.0	REFLEKTOR / REFLECTOR / REFLECTEUR
11	CM+9.8187.6916.0	HALTEFEDER / SPRING BOW / RESSORT DE RETENUE
12	CM+9.8187.6917.0	HALTEFEDER / SPRING BOW / RESSORT DE RETENUE
13	CM+9.8187.6921.2	CX60 / 105/155 - CP1000 / 205/285 STRAHLER 110V - 400W / RADIATOR 110V - 400W / RADIATEUR 110V - 400W
13	CM+9.9462.4315.2	CX60 / 165/106 - CP1000 / 845/206/846 STRAHLER 110V - 630W / RADIATOR 110V - 630W / RADIATEUR 110V - 630W
☐ 14	CM+9.8148.6650.2	CX60 / 105/155 - CP1000 / 205/285 TROCKNEREINHEIT / DRYER SECTION / SECHOIR
☐ 14	CM+9.8149.6700.2	CX60 / 165/106 - CP1000 / 845/206/846 TROCKNEREINHEIT / DRYER SECTION / SECHOIR

☐=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

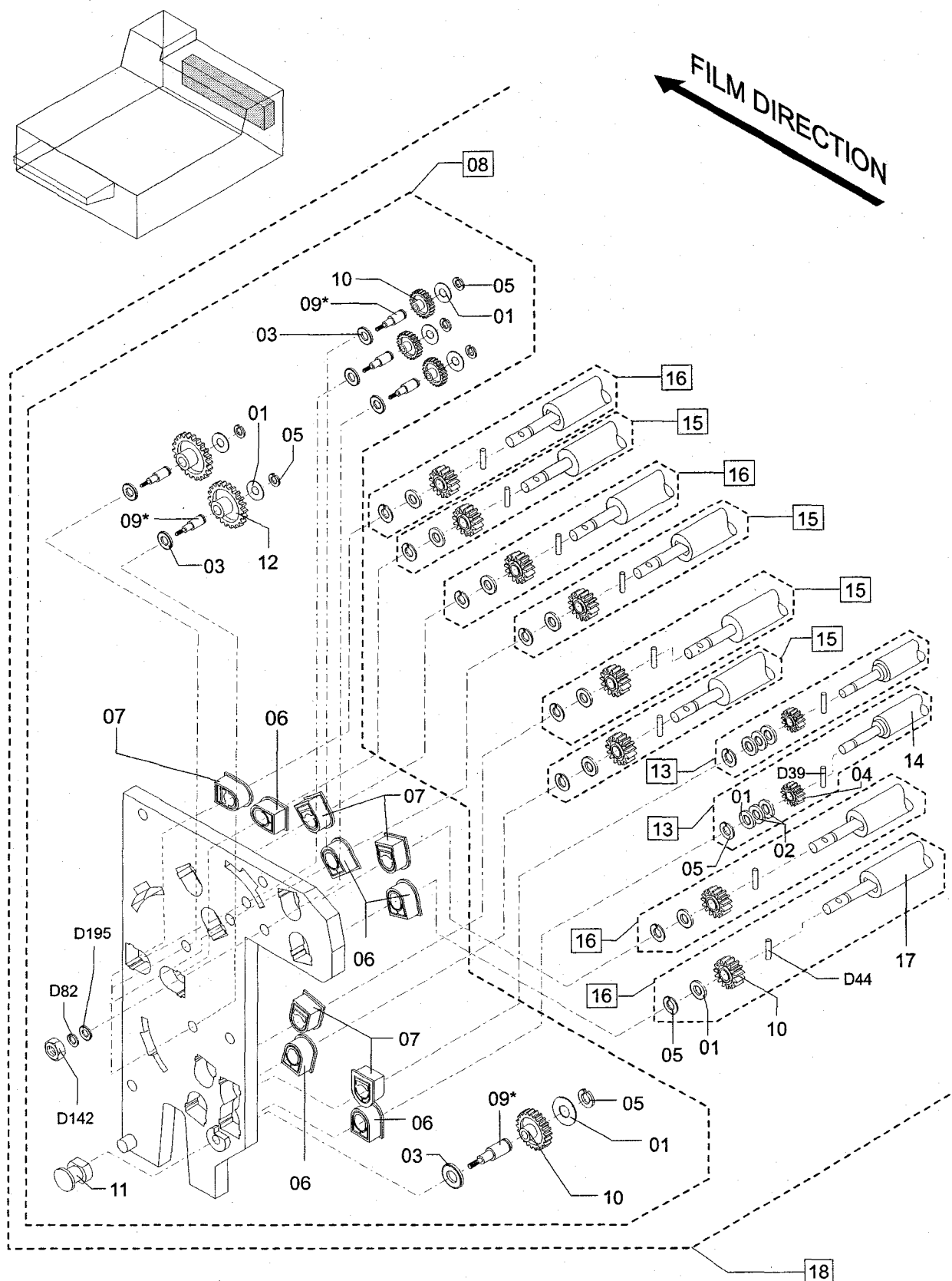
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible départ stock. Délai prolongé en cas de commande.

TROCKNEREINHEIT
DRYER SECTION
SECHOIR



9462_0100_8022.CDR

UMLenkung
CROSSOVER
ZONE DE RENVOI

Item no.	Part No.	Description
Pos. no.	Nr. de Ref.	Denomination

Nur gültig für CURIX 60 / Typ 9462 / 105/155/165/106
Only valid for CURIX 60 / Type 9462 / 105/155/165/106
Valable uniquement pour CURIX 60 / Typ 9462 / 105/155/165/106

01	CM+9.0327.3800.0	SCHEIBE / WASHER / RONDELLE
02	CM+9.0329.6050.0	SCHEIBE / WASHER / RONDELLE
03	CM+9.8185.6037.0	SCHEIBE / WASHER / RONDELLE
04	CM+9.8352.1572.1	GERADSTIRNRAD, M=1 / Z=16 / SPUR GEAR, M=1 / TEETH=16 / ROUE DENTEE, M=1 / DENTS=16
05	CM+9.9402.1129.0	SICHERUNGSSCHEIBE / RETAINER RING / RONDELLE D'ARRET
06	CM+9.94602105.0	LAGER / BEARING / PALIER
07	CM+9.9460.2106.0	LAGER / BEARING / PALIER
☒ 08	CM+9.9462.1350.0	PLATINE VORMONTIERT LINKS / PLATE PREASS. LHS / PLAQUE PREMONT. A GAUCHE
09	CM+9.9462.1353.1*	BOLZEN / BOLT / BOULON
10	CM+9.9462.1354.1	GERADSTIRNRAD, M=1 / Z=24 / SPUR GEAR, M=1 / TEETH=24 / ROUE DENTEE, M=1 / DENTS=24
11	CM+9.9462.1355.0	FÜHRUNGSBOLZEN / GUIDE BOLT / BOULON DE GUIDAGE
12	CM+9.9462.1356.0	GERADSTIRNRAD, M=1 / Z=44 / SPUR GEAR, M=1 / TEETH=44 / ROUE DENTEE, M=1 / DENTS=44
☒ 13	CM+9.9462.1370.0	WALZE VOLLST. D=16MM / ROLLER ASSY D=16MM / ROULEAU COMPL. D=16MM
14	CM+9.9462.1380.0	GUMMIWALZE D=16MM / RUBBER ROLLER D=16MM / ROULEAU EN CAOUTCHOUC D=16MM
☒ 15	CM+9.9462.1400.0	GUMMIWALZE VOLLST. D=24MM / RUBBER ROLLER ASSY D=24MM / ROULEAU EN CAOUTCHOUC COMPL. D=24MM
☒ 16	CM+9.9462.1430.1	WALZE MONTIERT / ROLLER MOUNTED / ROULEAU MONTE
17	CM+9.9462.1440.3	WALZE PUR GELB / ROLLER PUR / YELLOW ROLLER PUR YELLOW / ROULEAU PUR JAUNE
☒ 18	CM+9.9462.1300.1	UMLENKUNG / CROSSOVER / ZONE DE RENVOI

☐ =Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilliste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

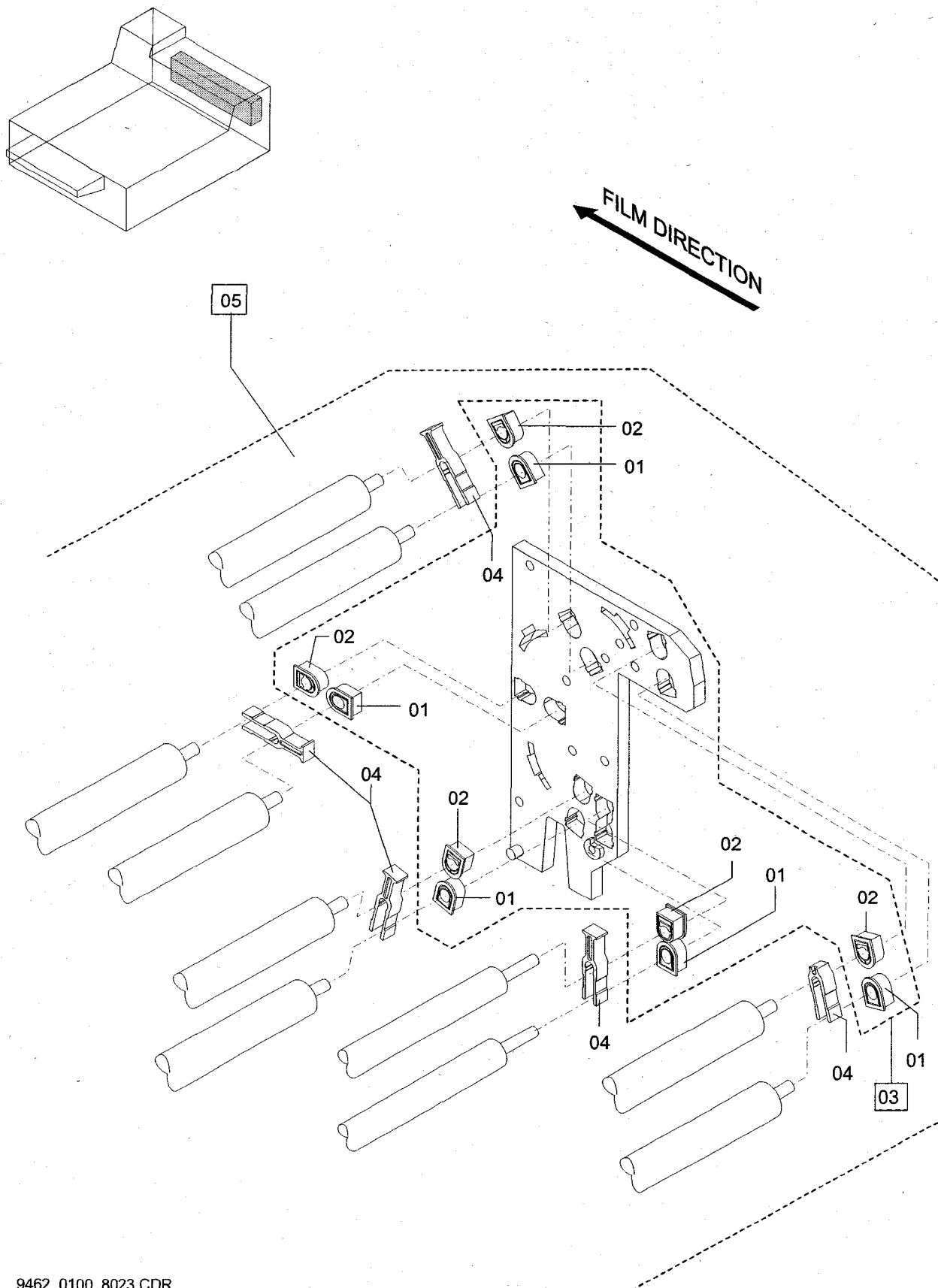
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachee n'est pas disponible depart stock. Délai prolongé en cas de commande.

UMLENKUNG
CROSSOVER
ZONE DE RENVOI



9462_0100_8023.CDR

UMLENKUNG
CROSSOVER
ZONE DE RENVOI

Item no.	Part No.	Description
Pos. no.	Nr. de Ref.	Denomination

Nur gültig für CURIX 60 / Typ 9462 / 105/155/165/106
Only valid for CURIX 60 / Type 9462 / 105/155/165/106
Valable uniquement pour CURIX 60 / Typ 9462 / 105/155/165/106

01	CM+9.94602105.0	LAGER / BEARING / PALIER
02	CM+9.9460.2106.0	LAGER / BEARING / PALIER
☒ 03	CM+9.9462.1360.0	PLATINE VORMONT. RECHTS / PLATE PREASS. RHS / PLAQUE PREMONT. A DROITE
04	CM+9.9463.1206.1	KLAMMER / CLAMP / AGRAVE
☒ 05	CM+9.9462.1300.1	UMLENKUNG / CROSSOVER / ZONE DE RENVOI

☐=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

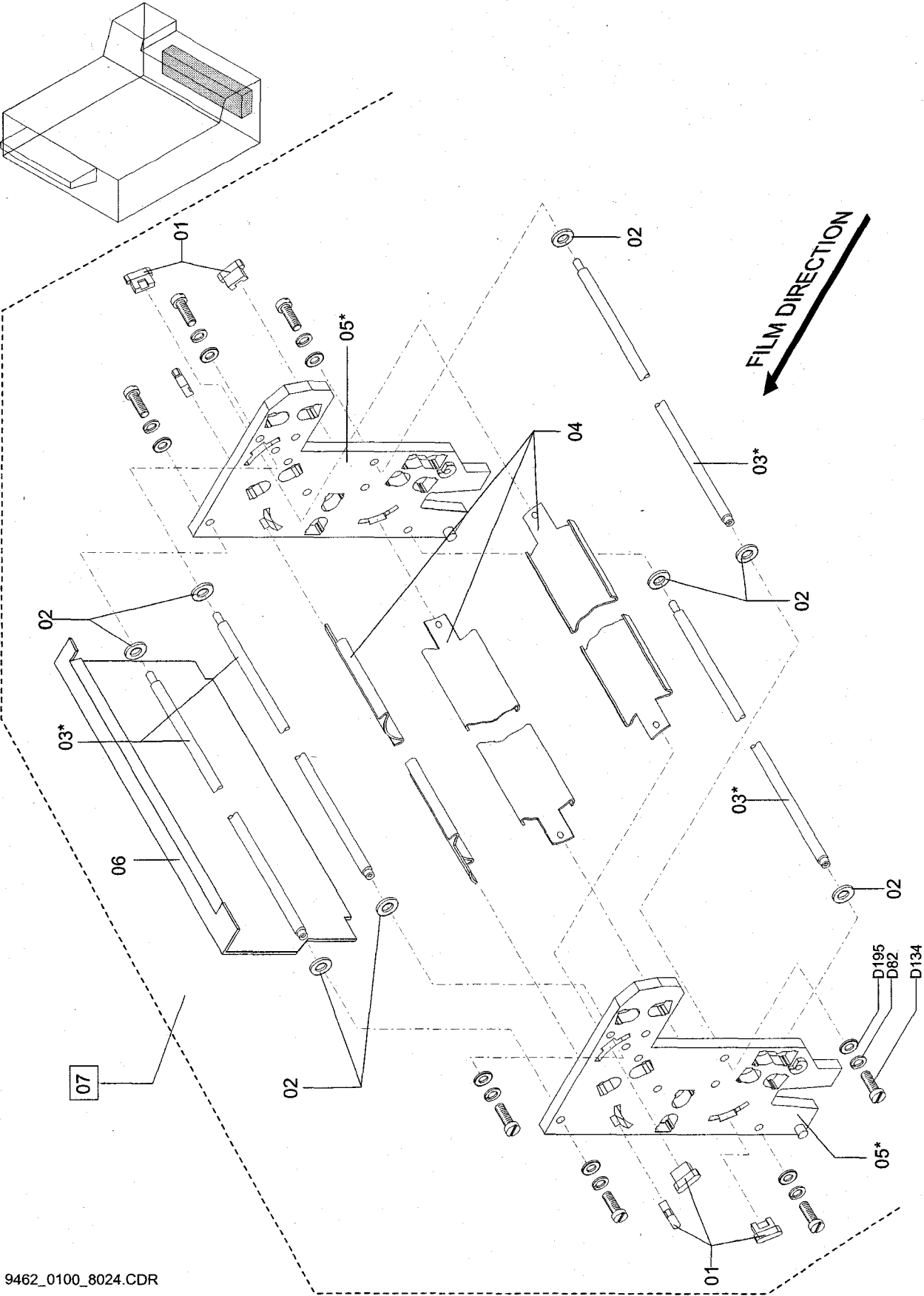
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachee n'est pas disponible depart stock. Délai prolongé en cas de commande.

UMLENKUNG
CROSSOVER
ZONE DE RENVOI



9462_0100_8024.CDR

UMLENKUNG
CROSSOVER
ZONE DE RENVOI

Item no.	Part No.	Description
Pos. no.	Nr. de Ref.	Denomination

Nur gültig für CURIX 60 / Typ 9462 / 105/155/165/106
Only valid for CURIX 60 / Type 9462 / 105/155/165/106
Valable uniquement pour CURIX 60 / Typ 9462 / 105/155/165/106

01	CM+9.8185.6023.1	HALTESTOPFEN / STOPPER / BOUCHON DE RETENUE
02	CM+9.8185.6037.0	SCHEIBE / WASHER / RONDELLE
03	CM+9.9462.1301.2*	ZUGANKER / TIE ROD / TIRANT
04	CM+9.9462.1305.0	LEITBLECH / GUIDE PLATE / PLAQUE DE GUIDAGE
05	CM+9.9462.1351.3*	PLATINE / PLATE / PLAQUE
06	CM+9.9463.1214.1	ABDECKUNG 3 / COVER 3 / RECOUVREMENT 3
☒ 07	CM+9.9463.1300.1	UMLLENKUNG / CROSSOVER / ZONE DE RENVOI

☐=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

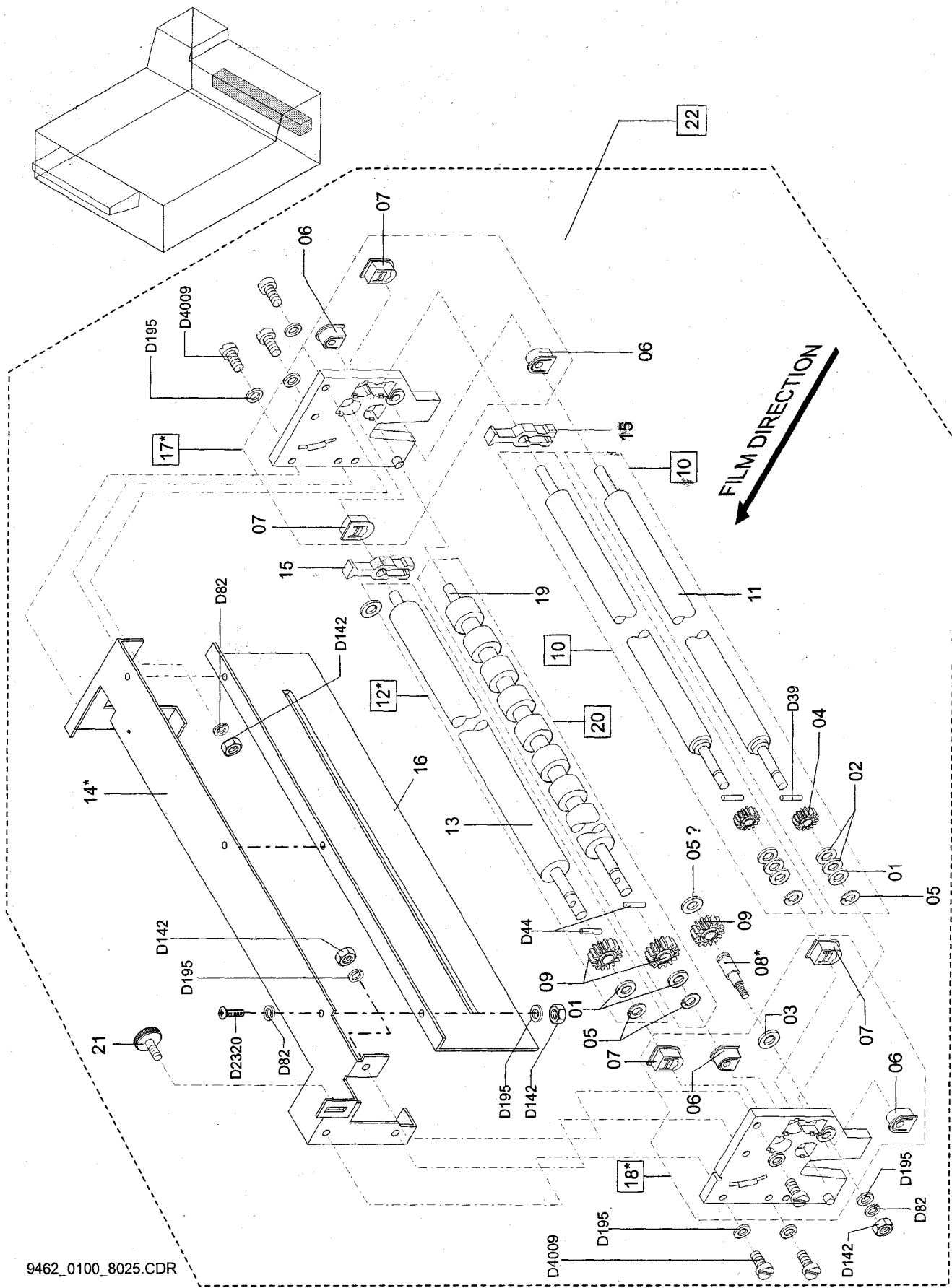
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible départ stock. Délai prolongé en cas de commande.

UMLLENKUNG
CROSSOVER
ZONE DE RENVOI



AUSLAUFEINHEIT
EXIT RACK
DERNIER RACK

Item no.	Part No.	Description
Pos. no.	Nr. de Ref.	Denomination

Nur gültig für CP 1000 / Typ 9462 / 205/285/845/206/846
Only valid for CP 1000 / Type 9462 / 205/285/845/206/846
Valable uniquement pour CP 1000 / Typ 9462 / 205/285/845/206/846

01	CM+9.0327.3800.0	SCHEIBE / WASHER / RONDELLE
02	CM+9.0329.6050.0	SCHEIBE / WASHER / RONDELLE
03	CM+9.8185.6037.0	SCHEIBE / WASHER / RONDELLE
04	CM+9.8352.1572.1	GERADSTIRNRAD, M=1 / Z=16 / SPUR GEAR, M=1 / TEETH=16 / ROUE DENTEE, M=1 / DENTS=16
05	CM+9.9402.1129.0	SICHERUNGSSCHEIBE / RETAINER RING / RONDELLE D'ARRET
06	CM+9.9460.2105.0	LAGER / BEARING / PALIER
07	CM+9.9460.2106.0	LAGER / BEARING / PALIER
08	CM+9.9462.1353.1*	BOLZEN / BOLT / BOULON
09	CM+9.9462.1354.1	GERADSTIRNRAD, M=1 / Z=24 / SPUR GEAR, M=1 / TEETH=24 / ROUE DENTEE, M=1 / DENTS=24
☒ 10	CM+9.9462.1370.0	WALZE VOLLST. D=16MM / ROLLER ASSY D=16MM / ROULEAU COMPL. D=16MM
11	CM+9.9462.1380.0	GUMMIWALZE D=16MM / RUBBER ROLLER D=16MM / ROULEAU EN CAOUTCHOUC D=16MM
☒ 12	CM+9.9462.1400.0	GUMMIWALZE VOLLST. D=24MM / RUBBER ROLLER ASSY D=24MM / ROULEAU EN CAOUTCHOUC COMPL. D=24MM
13	CM+9.9462.1410.0	WALZE GRAU ELASTOMER / RUBBER ROLLER GREY / ROULEAU GRIS
14	CM+9.9463.1201.1*	ABDECKUNG / COVER / RECOUVREMENT
15	CM+9.9463.1206.0	KLAMMER / CLAMP / AGRAVE
16	CM+9.9463.1211.1*	BLLENDE / COVER / RECOUVREMENT
☒ 17	CM+9.9463.1220.1*	PLATINE VORMONT. RECHTS / PLATE PREASS. RHS / PLAQUE PREMONT. A DROITE
☒ 18	CM+9.9463.1240.1*	PLATINE VORMONTIERT LINKS / PLATE PREASS. LHS / PLAQUE PREMONT. A GAUCHE
19	CM+9.9463.1250.0	WALZE GRAU ELASTOMER / RUBBER ROLLER GREY / ROULEAU GRIS
☒ 20	CM+9.9463.1260.0	GUMMIWALZE D=24MM / RUBBER ROLLER D=24MM / ROULEAU EN CAOUTCHOUC D=24MM
21	CM+9.9463.4210.0	RÄNDELSCHRAUBE / KNURLED SCREW / VIS MOLETE
☒ 22	CM+9.9463.1210.0	AUSLAUFEINHEIT / EXIT RACK / DERNIER RACK

☐=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

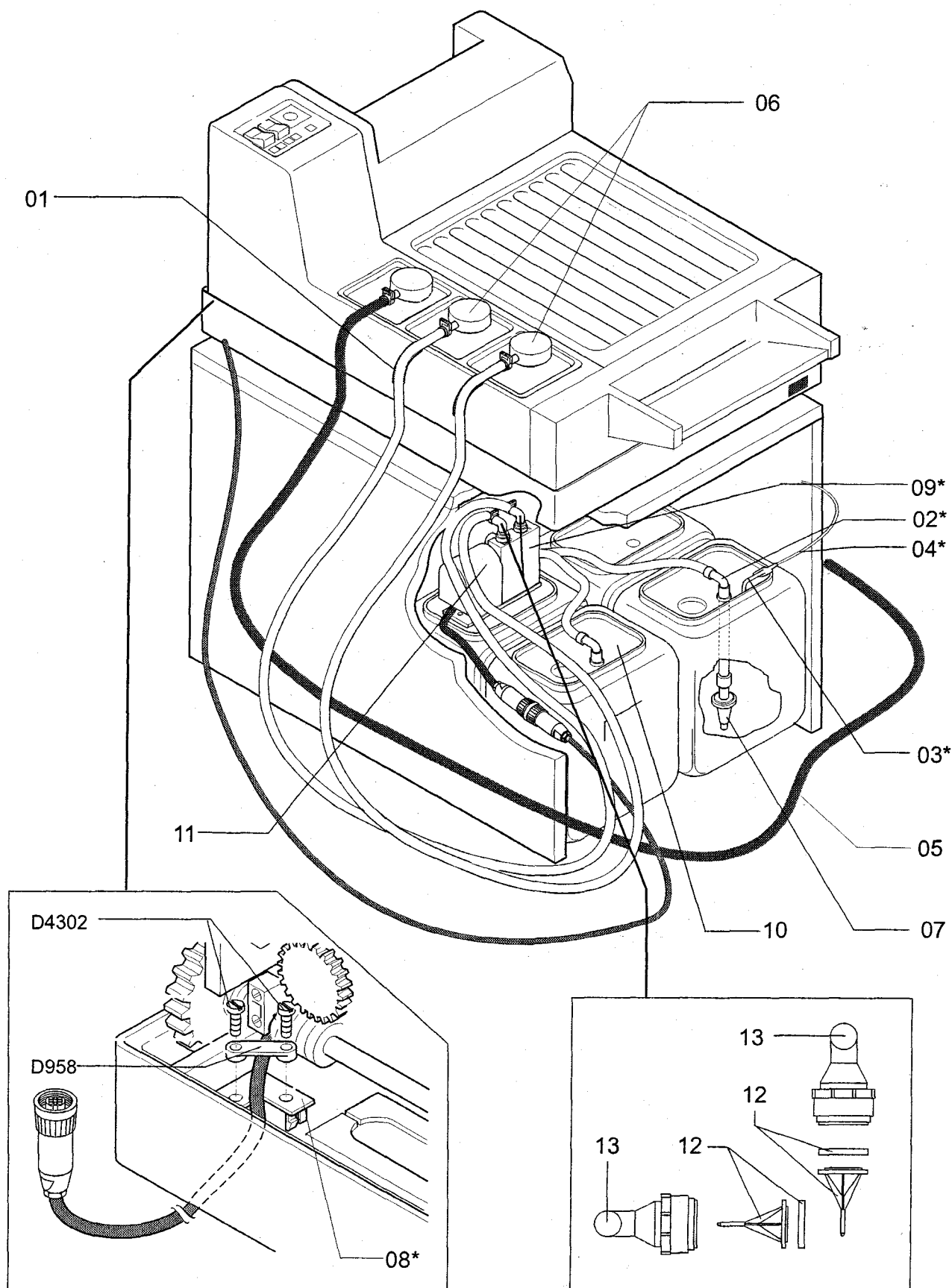
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachee n'est pas disponible depart stock. Délai prolongé en cas de commande.

AUSLAUFEINHEIT
EXIT RACK
DERNIER RACK



9462_0100_8026.CDR

EXTERNE REGENERIERUNG 230V/50HZ - 9462/0580
 EXTERNAL REPLENISHMENT 230V/50HZ - 9462/0580
 RÉGÉNÉRATION EXTERIEURE 230V/50HZ - 9462/0580

Pos. no.	Part No. Nr. de Ref.	Description Denomination
01	CM+9.0371.7029.0	SCHLAUCHFÜHRUNG / HOSE GUIDE / GUIDAGE DE TUYAU FLEXIBLE
02	CM+9.8190.1151.0*	ROHRKRÜMMER / PIPE BEND / TUYAU COUDE
03	CM+9.8186.1630.0*	ELEKTRODE / ELECTRODE / ELECTRODE
04	CM+9.8186.7100.0*	KABEL / CABLE / CABLE
05	CM+9.9424.1012.0	WASSERSCHLAUCH / WATER HOSE / TUYAU FLEXIBLE D'EAU /
06	CM+9.9424.1020.0	ZULAUFKAPPE / SUPPLY CAP / CAPUCHON D'ARRIVEE
07	CM+9.9431.1114.0	FILTER / FILTER / FILTRE
08	CM+9.9462.7506.0*	ABDECKUNG / COVER / RECOUVREMENT
09	CM+9.9462.7566.0*	ABDECKUNG / COVER / RECOUVREMENT
10	CM+9.9462.7567.0	DECKEL / COVER / COUVERCLE
11	CM+9.9462.7680.0	DOSIERPUMPE 230V MIT STECKER
12	CM+9.9999.1042.0	VENTILE, O-RING / VALVE, O-RING / VANNE, O-RING
13	CM+9.9999.1043.0	VERSCHRAUBUNG / THREADED ADAPTER / VIS

☐=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

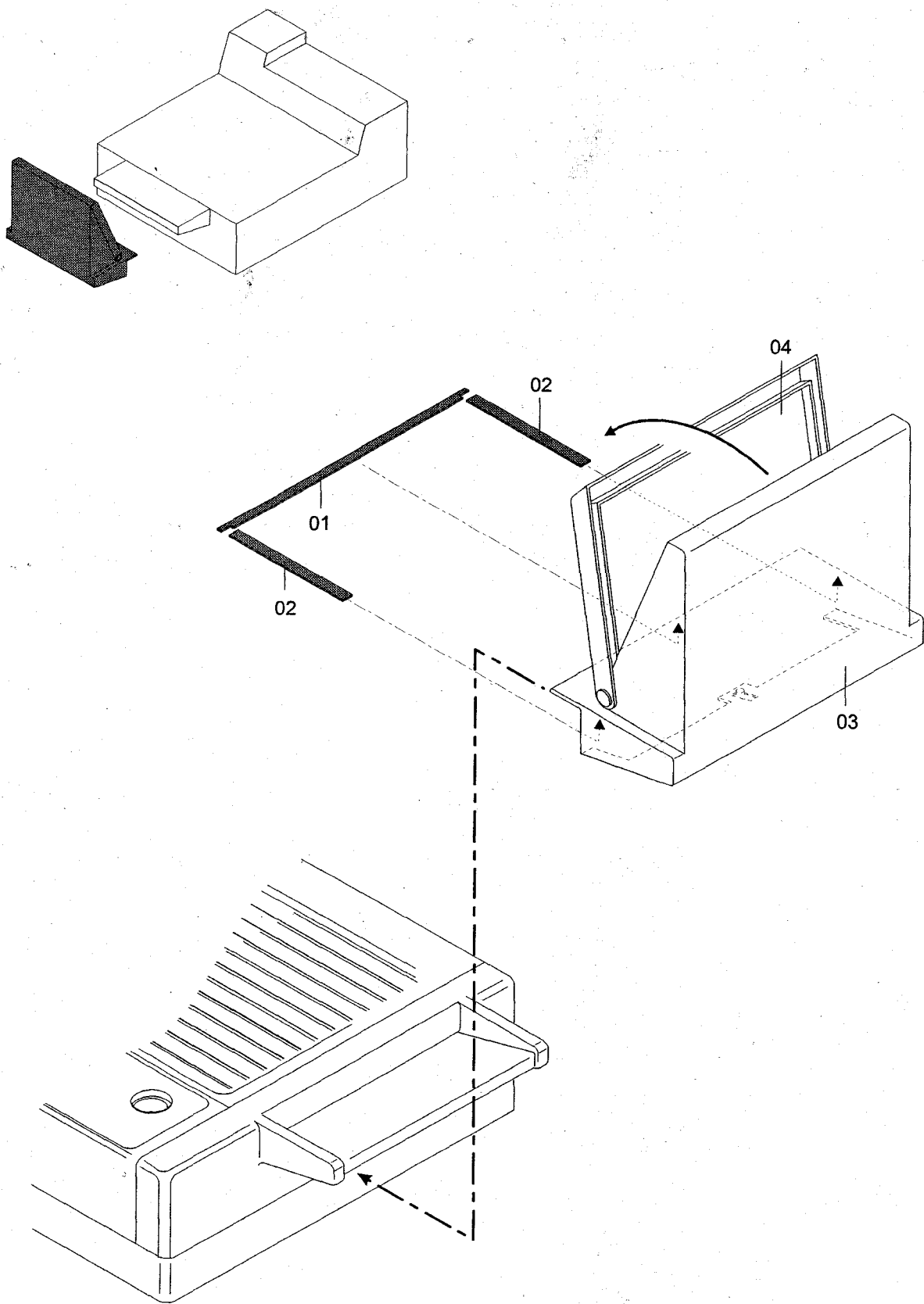
D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachee n'est pas disponible depart stock. Délai prolongé en cas de commande.

EXTERNE REGENERIERUNG 230V/50HZ - 9462/0580
EXTERNAL REPLENISHMENT 230V/50HZ - 9462/0580
RÉGENERATION EXTERIEURE 230V/50HZ - 9462/0580



9462_0100_8027.CDR

LICHTSCHUTZBOX 9462 / 0510
LIGHT GUARD BOX 9462 / 0510
BOITTE ANTI-LUMIÈRE 9462 / 0510

Item no. Pos. no.	Part No. Nr. de Ref.	Description Denomination
01	CM+9.9462.5103.3	DICHTUNG / GASKET / JOINT
02	CM+9.9462.5104.3	DICHTUNG L=183MM / GASKET / JOINT
03	CM+9.9462.5111.1	GEHAEUSE / HOUSING / BOITIER
04	CM+9.9462.5112.0	DECKEL / COVER / COUVERCLE

☐=Baugruppe / Assembly / Modul

D=Normteil. Die Bestellnummer ist der separaten Normteilleiste "DD+DIS011.93M" zu entnehmen.

D=Standardised part. For order please refer to the separate spare parts list for standardised parts "DD+DIS011.93M"

D=Piece normalisée. Vous trouvez leur référence dans la liste, à part, des pieces normalisées "DD+DIS011.93M"

*=Ersatzteil, nicht ab Lager lieferbar. Bei Bestellung verlängerte Lieferzeit.

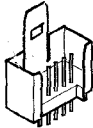
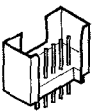
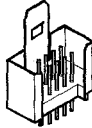
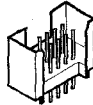
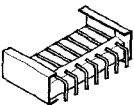
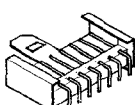
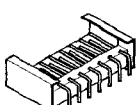
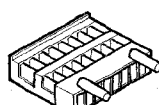
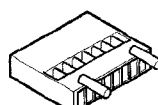
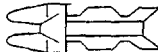
*=Spare part, not available from stock. Expect extended delivery times.

*=Piece detachée n'est pas disponible départ stock. Délai prolongé en cas de commande.

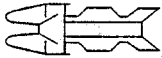
LICHTSCHUTZBOX 9462 / 0510
LIGHT GUARD BOX 9462 / 0510
BOÎTE ANTI-LUMIÈRE 9462 / 0510

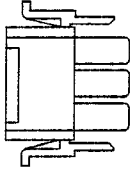
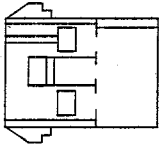
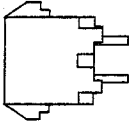
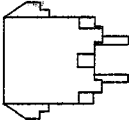
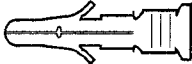
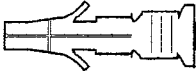
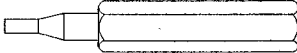
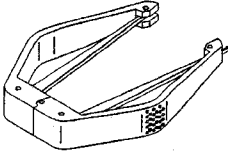
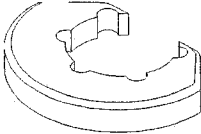
SPARE PARTS LIST

DD+DIS327.00M

STIFTELEISTE STEHEND / MALE CONNECTOR VERTICAL / RÉGLETTE À GOUPILLES VERTICALE					
POLZAHL NO.OF POLES NOMBRE DE PÔLES	EINREIHIG MIT RASTLASCH ONE-ROW WITH LATCH À UNE RENGÉE, AVEC LANGUETTE DE CRANTAGE 	EINREIHIG OHNE RASTLASCH ONE-ROW WITHOUT LATCH À UNE RENGÉE, SANS LANGUETTE DE CRANTAGE 	DOPPELREIHIG MIT RASTLASCH TWO-ROW WITH LATCH À DEUX RANGÉES, AVEC LANGUETTE DE CRANTAGE 	DOPPELREIHIG OHNE RASTLASCH TWO-ROW WITHOUT LATCH À DEUX RANGÉES, SANS LANGUETTE DE CRANTAGE 	
2		CM+9.0471.1738.0	CM+9.0471.1384.0		
3	CM+9.0471.1739.0		CM+9.0471.1385.0		
4		CM+9.0471.1741.0	CM+9.0471.1401.0		
5	CM+9.0471.1724.0		CM+9.0471.1809.0	CM+9.0471.1388.0	
6			CM+9.0471.1414.0		
7			CM+9.0471.1391.0		
8			CM+9.0471.1395.0		
9			CM+9.0471.1402.0		
10	CM+9.0471.1314.0		CM+9.0471.1397.0	CM+9.0471.1394.0	
11			CM+9.0471.1415.0		
12			CM+9.0471.1403.0		
15			CM+9.0471.1765.0		
16			CM+9.0471.1399.0		
18	CM+9.0471.1725.0				
20			CM+9.0471.1404.0		
STIFTELEISTE LIEGEND (90° ABGEWINKELT) MALE CONNECTOR HORIZONTAL (90° ANGEL) RÉGLETTE À GOUPILLES HORIZONTAL (EN ANGLE DE 90°)			BUCHSE RECEPTACLE DOUILLE	LEERBUCHSE BLANK RECEPTACLE DOUILLE VIDE	
POLZAHL NO.OF POLES NOMBRE DE PÔLES	EINREIHIG OHNE RASTLASCH ONE-ROW WITHOUT LATCH À UNE RENGÉE, SANS LANGUETTE DE CRANTAGE 	DOPPELREIHIG MIT RASTLASCH TWO-ROW WITH LATCH À DEUX RANGÉES, AVEC LANGUETTE DE CRANTAGE 	DOPPELREIHIG OHNE RASTLASCH TWO-ROW WITHOUT LATCH À DEUX RANGÉES, SANS LANGUETTE DE CRANTAGE 	SCHNEID-KLEMM-VERBINDER CUT-AND-CLAMP CONNECTOR JONCTION AUTO-COUPANTE 	OHNE KODIERSTIFT WITHOUT ENCODING PIN SANS GOUPILLE DE CODAGE 
2		CM+9.0471.1756.0	CM+9.0471.1448.0	CM+9.0471.8836.0	
3		CM+9.0471.1732.0	CM+9.0471.1386.0	CM+9.0471.1418.0	CM+9.0471.8839.0
4		CM+9.0471.1807.0	CM+9.0471.1387.0	CM+9.0471.1419.0	CM+9.0471.8829.0
5		CM+9.0471.1338.0		CM+9.0471.1437.0	CM+9.0471.8837.0
6		CM+9.0471.1743.0	CM+9.0471.1389.0	CM+9.0471.1438.0	CM+9.0471.8838.0
7		CM+9.0471.1348.0		CM+9.0471.1439.0	CM+9.0471.8840.0
8	CM+9.0471.1717.0	CM+9.0471.1393.0	CM+9.0471.1392.0	CM+9.0471.1421.0	CM+9.0471.8841.0
9				CM+9.0471.1431.0	CM+9.0471.1405.0
10		CM+9.0471.1339.0	CM+9.0471.1396.0	CM+9.0471.1422.0	CM+9.0471.8842.0
11				CM+9.0471.1813.0	CM+9.0471.1416.0
12		CM+9.0471.1341.0	CM+9.0471.1398.0	CM+9.0471.1441.0	CM+9.0471.1342.0
13	CM+9.0471.1719.0			CM+9.0471.1452.0	CM+9.0471.1721.0
14					CM+9.0471.8843.0
15		CM+9.0471.1764.0	CM+9.0471.1766.0	CM+9.0471.1423.0	CM+9.0471.1768.0
16	CM+9.0471.1714.0	CM+9.0471.1343.0	CM+9.0471.1767.0	CM+9.0471.1424.0	CM+9.0471.1716.0
20					CM+9.0471.8844.0
FEDERKONTAKT (VERGOLDET) SPRING CONTACT (GOLD-PLATED) CONTACT À RESSORT (DORÉ)		 Ø 0,10 - 0,25		CM+9.0471.1312.0	

STECKVERBINDUNGEN CONNECTORS CONNECTEURS

FEDERKONTAKT (VERGOLDET) SPRING CONTACT (GOLD-PLATED) CONTACT À RESSORT (DORÉ)	 Ø 0.30 - 0,60	CM+9.0471.1383.0
--	--	------------------

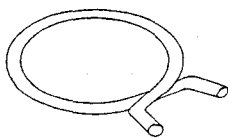
POLZAHL NO.OF POLES NOMBRE DE PÔLES	STECKERGEHÄUSE PLUG ENCLOSURE BOÎTIER DE FICHES	AUFNAHMEGEHÄUSE (KUPPLUNG) HOUSING (CLUTCH) BOÎTIER-LOGEMENT (EMBRAYAGE)	LÖT-SOCKEL KPL. MIT STIFTEN SOLDERING BASE ASSY WITH PINS SOCLE SOUDURE COMPLET AVEC BROCHES	LÖT-SÖCKEL KPL. MIT BUCHSEN SOLDERING BASE ASSY WITH JACKS SOCLE SOUDURE COMPLET AVEC DOUILLIES
				
1POL.	CM+9.0471.1351.0	CM+9.0471.1349.0		
2POL.	CM+9.0471.1708.0	CM+9.0471.1709.0	CM+9.0471.1749.0	CM+9.0471.1412.0
3POL.	CM+9.0471.1327.0	CM+9.0471.1326.0	CM+9.0471.1751.0	CM+9.0471.1786.0
4POL.	CM+9.0471.1336.0	CM+9.0471.1335.0	CM+9.0471.1752.0	CM+9.0471.1407.0
6POL.	CM+9.0471.1325.0	CM+9.0471.1324.0	CM+9.0471.1753.0	CM+9.0471.1408.0
9POL.	CM+9.0471.1307.0	CM+9.0471.1308.0	CM+9.0471.1712.0	CM+9.0471.1736.0
12POL	CM+9.0471.1703.0	CM+9.0471.1704.0	CM+9.0471.1413.0	CM+9.0471.1713.0
15POL	CM+9.0471.1306.0	CM+9.0471.1358.0	CM+9.0471.1754.0	CM+9.0471.1409.0
STIFT PIN BROCHE			CM+9.0471.1701.0	
BUCHSE JACK DOUILLE			CM+9.0471.1702.0	
ENTNAHMEWERKZEUG EXTRACTING TOOL OUTIL D'EXTRACTION			CM+9.9999.0793.0	
STECKHÜLSE A (6,3 x 0.8/2,5) 'E' SOCKET A 'F' DOUILLE A			CM+9.0471.3405.0	
IC-AUSZIEHWERKZEUGE FÜR PLCC'S EXTRACTOR EXTRACTEUR			CM+9.9999.1005.0	
SCHLÜSSEL FÜR VENTIL GORMAN-RUPP-PUMPE KEY FOR VALVES GORMAN-RUPP PUMP			EB+53590280	
SERVICE - SCHLÜSSEL COVER SWITCH CLEF DU COUVERCLE			CM+9.0426.6309.0	

STECKVERBINDUNGEN

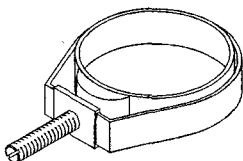
CONNECTORS

CONNECTEURS

**SCHLAUCHKLEMME
HOSE CLAMP
AGRAFE TUYAU**

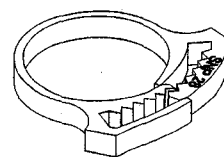


CM+9.0371.9801.0	Ø 23,00 - 24,50 MM
CM+9.0371.9820.0	Ø 18,54 - 19,56 MM
CM+9.0371.9840.0	Ø 12,45 - 12,95 MM
CM+9.0371.9860.0	Ø 13,99 - 14,55 MM
CM+9.0371.9880.0	Ø 15,50 - 16,00 MM
CM+9.0371.9900.0	Ø 20,12 - 21,13 MM
CM+9.0371.9930.0	Ø 24,61 - 26,19 MM
CM+9.0371.9920.0	Ø 26,00 - 27,50 MM
CM+9.0372.0010.0	Ø 58,73 - 61,90 MM
CM+9.0372.0011.0	Ø 11,00 - 11,60 MM

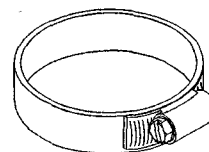


CM+9.0371.9490.1	Ø 12,00 - 14,00 MM
CM+9.0371.9500.1	Ø 12,00 - 17,00 MM
CM+9.0371.9510.1	Ø 16,00 - 21,00 MM
CM+9.0371.9520.1	Ø 20,00 - 25,00 MM
CM+9.0371.9530.1	Ø 24,00 - 29,00 MM
CM+9.0371.9540.1	Ø 28,00 - 33,00 MM
CM+9.0371.9570.1	Ø 40,00 - 45,00 MM
CM+9.0371.9580.1	Ø 44,00 - 49,00 MM

**SCHLAUCHSCHELLE
HOSE CLAMP
COLLIER DE GAINÉ**



CM+9.0372.0020.0	Ø 11,50 - 13,90 MM	SNP - 7
CM+9.0372.0021.0	Ø 13,00 - 14,90 MM	SNP - 8
CM+9.0372.0022.0	Ø 21,80 - 25,10 MM	SNP - 19
CM+9.0372.0023.0	Ø 14,50 - 16,50 MM	SNP - 10
CM+9.0371.7009.0	Ø 11,40 - 13,00 MM	SNP - 6
CM+9.0371.7011.0	Ø 19,80 - 22,80 MM	SNP - 18
CM+9.0371.7013.0	Ø 28,50 - 32,90 MM	SNP - 28
CM+9.0371.7026.0	Ø 19,00 - 21,50 MM	SNP - 16
CM+9.0371.7027.0	Ø 28,50 - 32,90 MM	SNP - 28
CM+9.0371.7028.0	Ø 25,00 - 28,80 MM	SNP - 24
CM+9.0372.0019.0	Ø 15,70 - 18,00 MM	SNP - 12
CM+9.0372.0030.0	Ø 17,80 - 20,40 MM	SNP - 14
CM+9.0372.0040.0	Ø 23,60 - 27,20 MM	SNP - 22



CM+9.0371.9637.0	Ø 12,00 - 20,00 MM
CM+9.0371.9640.0	Ø 25,00 - 40,00 MM
CM+9.0371.9638.0	Ø 10,00 - 16,00 MM
CM+9.0371.9639.0	Ø 16,00 - 27,00 MM

SCHLAUCH AUS NEOPREN — NEOPRENE TUBE - TUYAU FLEXIBLE EN NÉOPRÈNE

CM+0.0000.64.041 SCHLAUCH 3X1.5MM SW

SCHLAUCH PVC WEICH — PVC TUBE SOFT — TUYAU FLEXIBLE EN PVC BLANCS

CM+0.0000.07.025	SCHLAUCH 19X2,5 TRANS / HOSE TRANS / TUYAU FLEXIBLE TRANS
CM+0.0000.64.131	SCHLAUCH 19X2,5 BLAU / HOSE BLUE / TUYAU FLEXIBLE BLEU
CM+0.0000.64.132	SCHLAUCH 19X2,5 ROT / HOSE RED / TUYAU FLEXIBLE ROUGE

SCHLAUCH PVC GEWEBEVERST. -- PVC TUBE FIBRE REINFORCED -- TUYAU PVC Á FIBRES RENFORCÉES

CM+0.0000.07.620	SCHLAUCH 19X4 TRANS GEWEBEVERSTÄRKT / HOSE TRANS FIBRE-REINFORCED / TUYAU FLEXIBLE TRANS Á FIBRES RENFORCÉES
CM+0.0000.64.134	SCHLAUCH 19X4 BLAU GEWEBEVERSTÄRKT / HOSE BLUE FIBRE-REINFORCED / TUYAU FLEXIBLE BLEU Á FIBRES RENFORCÉES
CM+0.0000.64.133	SCHLAUCH 19X4 ROT GEWEBEVERSTÄRKT / HOSE RED FIBRE-REINFORCED / TUYAU FLEXIBLE ROUGE Á FIBRES RENFORCÉES
CM+0.0000.64.082	SCHLAUCH 10X3 ROT GEWEBEVERSTÄRKT / HOSE RED FIBRE-REINFORCED / TUYAU FLEXIBLE ROUGE Á FIBRES RENFORCÉES
CM+0.0000.64.083	SCHLAUCH 10X3 BLAU GEWEBEVERSTÄRKT / HOSE BLUE FIBRE-REINFORCED / TUYAU FLEXIBLE BLEU Á FIBRES RENFORCÉES

SCHLAUCH KANN UNTER DER NUMMER CM+0.0000.XX.XXX ALS METERWARE BESTELLT WERDEN.

TUBE IS AVAILABLE BY THE METRE UNDER NUMBER CM+0.0000.XX.XXX.

TUYAU FLEXIBLE PEUVENT ÊTRE COMMANDÉS AU MÈTRE SOUS LE N° CM+0.0000.XX.XXX

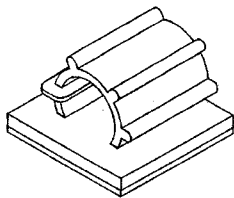
**SCHELLEN
CLAMPS
COLLIERS**

KABELBINDER / CABLE TIE / ATACHE CABLE

CM+9.0371.8700.0	KABELBINDER (102 X 2,4 MM)
CM+9.0371.8880.0	KABELBINDER (254 X 4,8 MM)
CM+9.0371.9000.0	KABELBINDER (140 X 2,4 MM)
CM+9.0371.9200.0	KABELBINDER (98 X 2,5 MM)
CM+9.0479.1122.0	KABELBINDER (132 X 4,8MM)

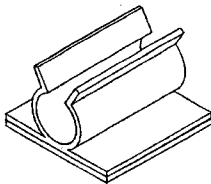
FLACHKABELHALTER UND SCHELLEN — RIBBON CABLE HOLDER AND CLAMPS —
SUPPORT DE CÂBLE PLAT ET COLLIERS

SCHELLE / CLAMP / COLLIER



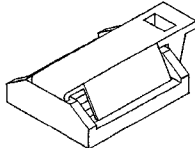
CM+9.0371.8019.0 - < 5 MM
CM+9.0371.8011.0 - < 8MM
CM+9.0371.8012.0 - < 20MM

KLEBESCHELLE / ADHESIVE CLAMP / COLLIER
ADHÉSIF



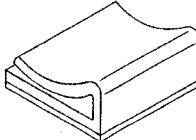
CM+9.0371.9230.0

FLACHKABELHALTER / RIBBON CABLE HOLDER /
SUPPORT DE CÂBLE PLAT



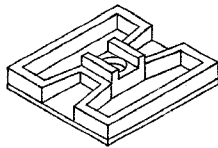
CM+9.0477.0801.0 - 30 MM
CM+9.0370.0060.0 - 57 MM
CM+9.0479.0001.0 - 88 MM

HAFTSCHELLE / SUPPORTING CLAMP / COLLIER DE
FIXATION



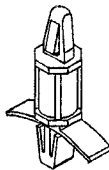
CM+9.0479.0010.0

BEFESTIGUNGSSOCKEL / MOUNTING BASE / SOCLE DE
MONTAGE



CM+9.0370.0080.0

ABSTANDSHALTER F PLATINEN / SPACER / ECARTEUR
POUR CARTE ENFISCHABLE



CM+9.0479.1016.0
CM+9.0479.1272.0
CM+9.0479.1305.0

SCHELLEN
CLAMPS
COLLIERS

AGFA and the Agfa-Rhombus are trademarks of Agfa-Gevaert AG, Germany.

Herausgegeben von / Published by / Edité par

Agfa-Gevaert AG
Fototechnik
Tegernseer Landstraße 161
D - 81539 München

Printed in Germany / Imprimé en Allemagne
DD+DIS327.00M X 00200100

AGFA 

Section 9

describes the installation of accessories (assembly types).

Repair, maintenance and spare parts of accessories are implemented in the machine documentation or available as separate documentation.

Order-No.: DD+DIS 031.01E

February 2001



1 piece UJ8EK MA 1

CURIX 60 / CP 1000

**Type 9462/106/206/
105/155/165/205/285/845**

Installation Instructions for the “External Replenishment”

External Replenishment	Machine type:
9462/570 (120V)	9462/165 9462/845
9462/580 (230V)	9462/106 9462/206 9462/105 9462/155 9462/205 9462/285



This documentation is added to the accessory box.
This document replaces DD+DIS187.99D



Software / Hardware requirements:
none



Less than 30 minutes



Screw driver, medium and small
Phillips crew driver, small

printed in Germany

Section 9

Contents

1	General information / scope of delivery	1
2	Modification procedure.....	2
2.1	Opening the processor.....	2
2.1.1	CURIX 60	2
2.1.2	CP 1000.....	3
2.2	Mounting the plug / installing the motor cable.....	4
2.3	Closing the processor	6
2.4	Connecting the external replenishment.....	7
2.5	Bleeding the system	7
2.6	Adjustment of the replenishment rates.....	8
3	Fixed water connection	9

1 **General information / scope of delivery**

Instead of the top mounted replenisher bottles for developer and fixer it is also possible to connect external lines with replenishment pump and hoses including various small parts. For this purpose the cable connections for the control of pump and replenishment rates must be changed.



Instead of the water replenishment bottles we recommend the installation of a fixed water connection.

Scope of delivery for the “external replenishment”:

Type 9462/570	Quantity	Order Number
Replenishment pump 120 V/60 Hz	1	CM+8.9462.7580.0
Cover	1	F7.9462.7506.0
Strain relief	1	F7.0372.0210.0
WN10018-2, 9x19T1/7981-A2	2	F7.0244.1110.0
Hose conduit	2	CM+7.0371.7029.0
Water fitting, complete	1	F8.9462.7600.0

Various additional covers, hoses, pipes, clamps, connection pieces.

Type 9462/580	Quantity	Order Number
Replenishment pump 230V/50Hz	1	CM+8.9462.7680.0
Cover	1	F7.9462.7506.0
Strain relief	1	CM+7.0372.0210.0
WN10018-2, 9x19T1/7981-A2	2	F7.0244.1110.0
Hose conduit	2	CM+7.0371.7029.0

Various additional covers, hoses, pipes, clamps, connection pieces.

2 Modification procedure



The accessory box includes two adapters. For installation of the external replenishment (**types 9462/xx5**) you only need the adapter with the order number **CM+ 9.9462.7760.0**. The second adapter is an accessory of the previous generation of the Curix 60 and the CP 1000.



Electrical connections and repairs must only be made by authorized electricians.

Required tools: Screw drivers, medium and small
Phillips screw driver, small

2.1 Opening the processor

2.1.1 CURIX 60



Prior to modification start, disconnect the machine from the mains!

Remove all the machine parts listed below according to figure 1, and in the sequence of their position numbers:

machine cover (1)

dryer hood (2)

gearbox cover (3)

cover (4)

crossover (5)

protection cover of the control board (6)

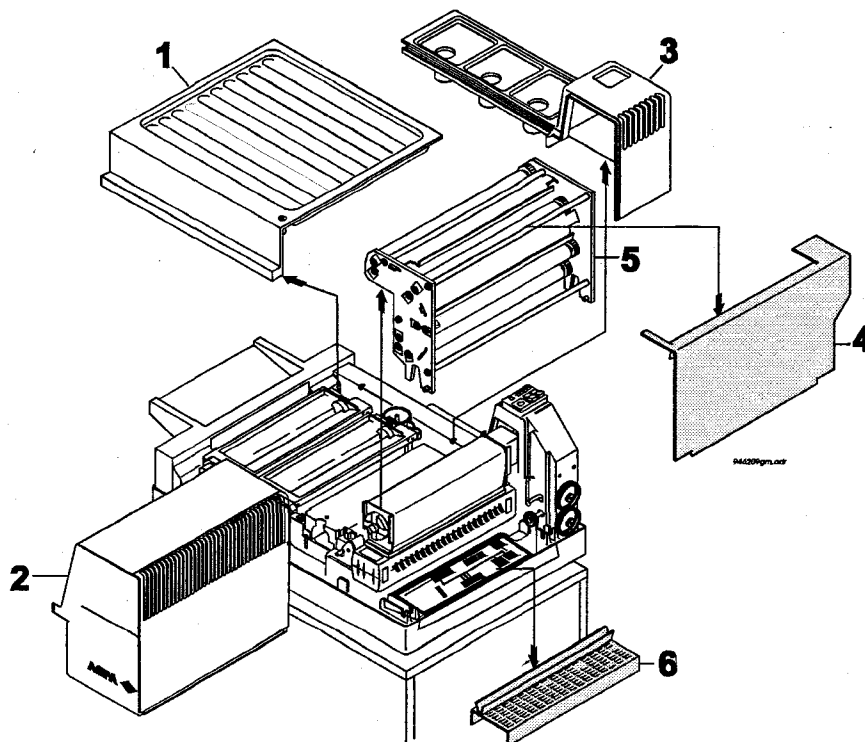


Figure 9 - 1

2.1.2 CP 1000



Prior to modification start, disconnect the machine from the mains!

Remove all the machine parts listed below according to figure 2, and in the sequence of their position numbers:

collection chute (1)

machine cover (2)

dryer hood (3)

gearbox cover (4)

exit unit (5)

protection cover (6)

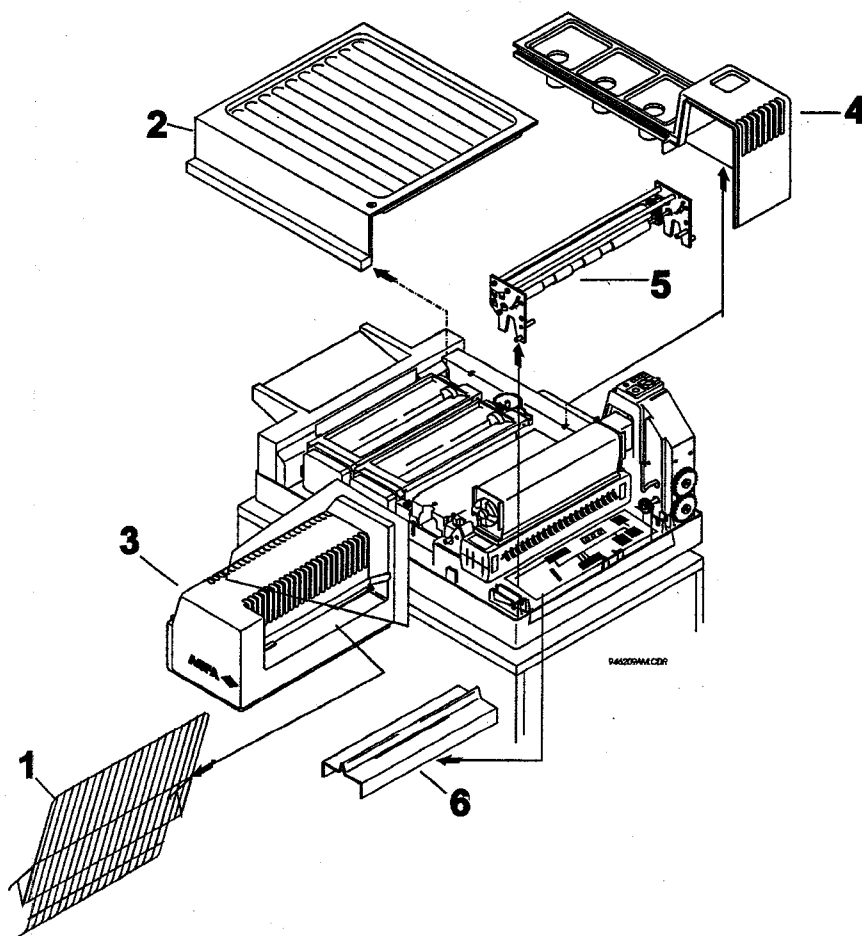


Figure 9 - 2

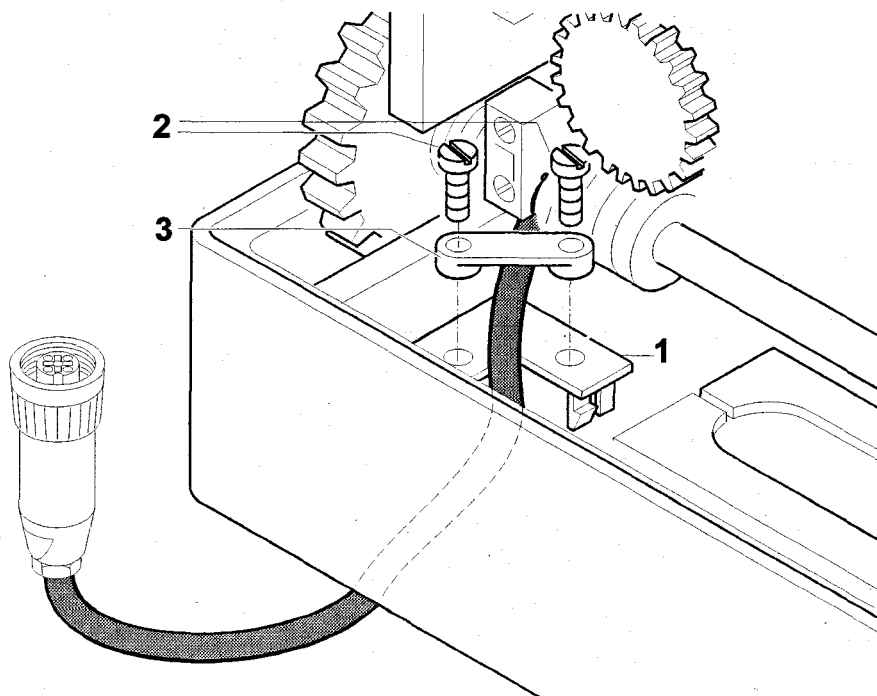
2.2 Mounting the plug / installing the motor cable

Thread the plug of the motor cable from below through the opening in the machine, (see figure 9 - 3).

Insert the cover (1) in the provided recess.

Thread the plug through the area below the drive

Connect the two screws (2) with strain relief (3) onto cover (1) and fix the cable.



946209BM.CDR

Figure 9 - 3

For Type 106/206/846

Connect the motor cable plug in the provided position on the distribution board GS3 (ST10, see figure 9 - 4).

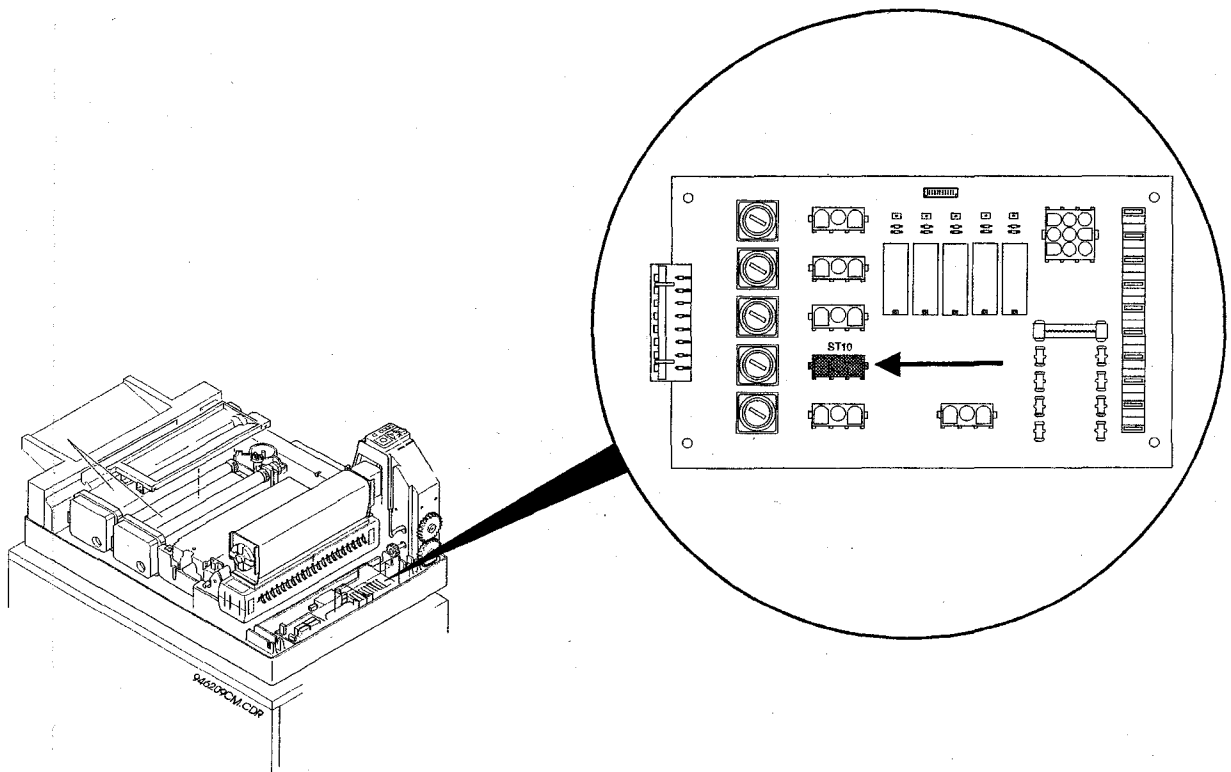


Figure 9 - 4

For Type 105/155/165/205/285/845

Connect the motor cable plug in the provided position on the control board GS1 (ST10, see figure 9 - 5).

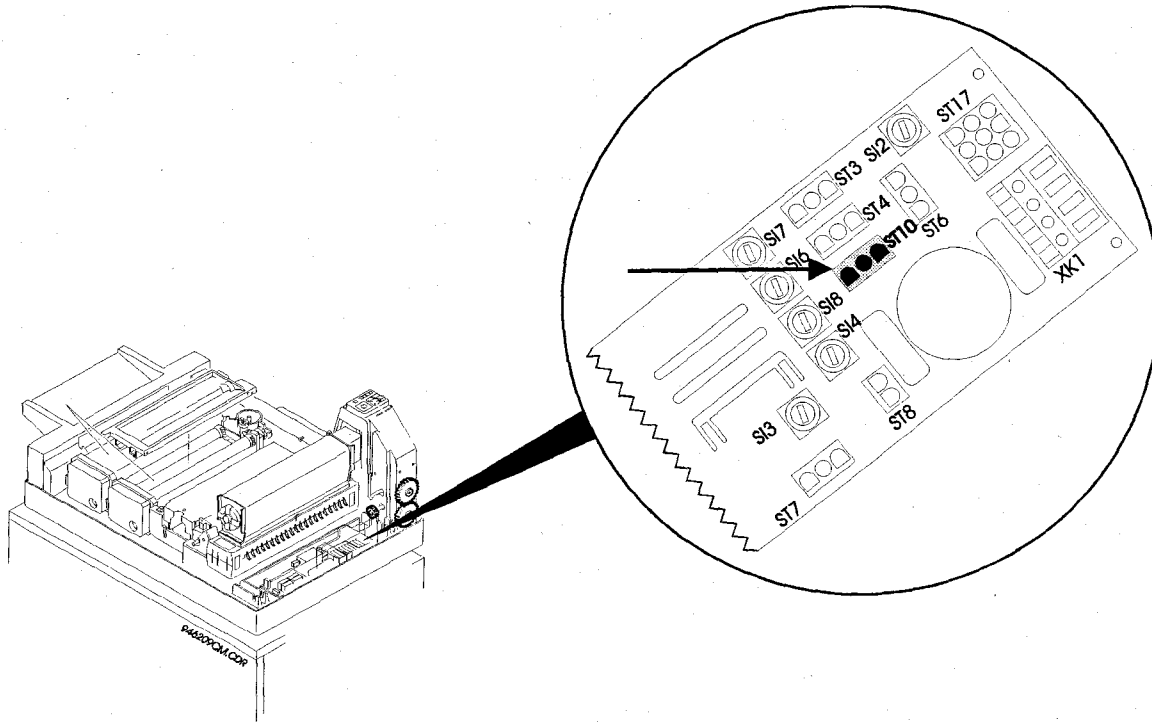


Figure 9 - 5

2.3 Closing the processor

Mount the panels and coves in reverse order to the description of item 2.1.



Make sure that all the cables are inserted in the chassis and are not jammed or squeezed! Secure all outside hoses and cables to avoid obstacles.

2.4 Connecting the external replenishment

Connect the plug / cylindrical connection (6) with the pump cable, (figure 9 - 6).

Insert the supply adapters (1) in the openings of the bottle connections. Observe the color codes: RED = developer, BLUE = fixer

Attach the green reinforcement elbow (2) on the hose at the edge of the machine.

For the water connection (3) refer to item 4.

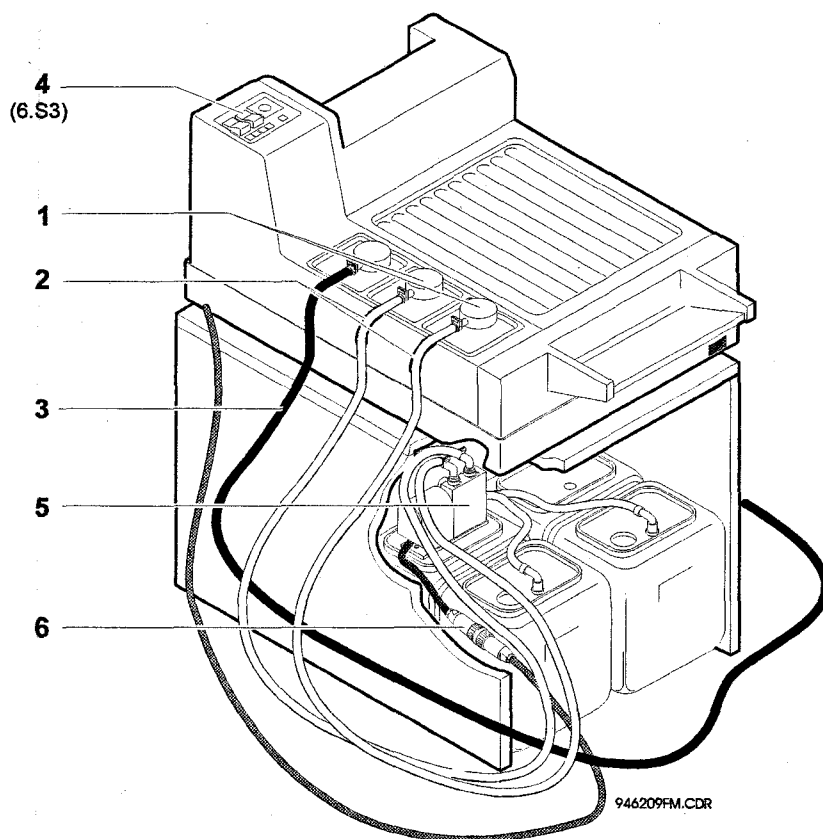


Figure 9 - 6

2.5 Bleeding the system

Connect the machine plug on the mains.

Press replenishment key (4) briefly once; and the system will be bled.

2.6 Adjustment of the replenishment rates

Ex factory the replenishment pump is set up according to the table below.

	Replenishment Rate			Replenisher consumption
	standard format (24x30 cm)	Großformat (> 24x30 cm)	Kleinformat (< 24x30 cm)	
Developer	50 ml/min	58 ml/min	37 ml/min	600 ml/m ²
Fixer	62 ml/min	75 ml/min	37 ml/min	750 ml/m ²

These values can be modified as follows by adjustment of the respective replenishment pump (= modification of the basic supply rate):

Remove the pump cover (5), (see figure 9 - 6).

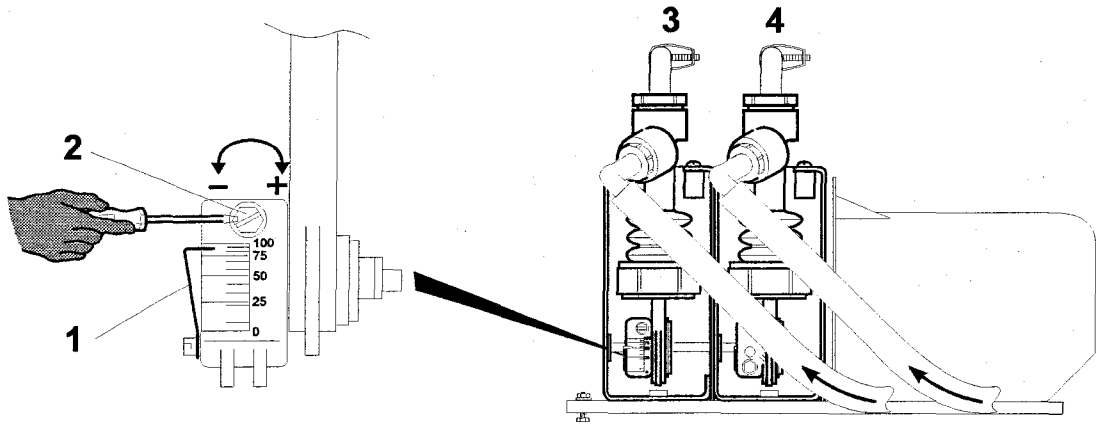
Turn the eccentric by hand until there is access to the adjusting screw (2), (see figure 9 - 7).

Turn the adjusting screw (2) either to the right (+) to increase, or to the left (-) to decrease the basic supply rate.



The lock nut must not be touched or changed!

Mount the pump cover again (5), (see figure 9 - 6).



946209EM.CDR

Figure 9 - 7

Legend:

- 1. Adjusting scale
- 2. Adjusting screw
- 3. Fixer pump
- 4. Developer pump

3 Fixed water connection

The shipment of the external replenishment system, **type 9462/570**, includes a water unit.
For the external replenishment system, **type 9462/580**, the fixed water connection (type 9424/100) can be ordered and retrofitted as an option.

Scope of delivery for the fixed water connection (option), type 9424/100, (see figure 9 - 8):

- 1 pressure reducer / ball cock (3)
- 1 pressure water hose (5)
- 1 connection adapter (6)

A water connection for a 3/8" size is required. The shut-off tap (1) in front of it must be closed at the end of work!



Adjust the supply rate for the water between 0,2 and 0,25 l/min (0.05 to 0.07 gal/min).

For safety reasons we recommend to provide a floor drain close to the machine.

Regulations

The free water supply of the machine is in compliance with the requirements of DIN 1988, with applications based on Worksheet W 503 of the DVGW (Technical Directive for Drinking Water Installation).

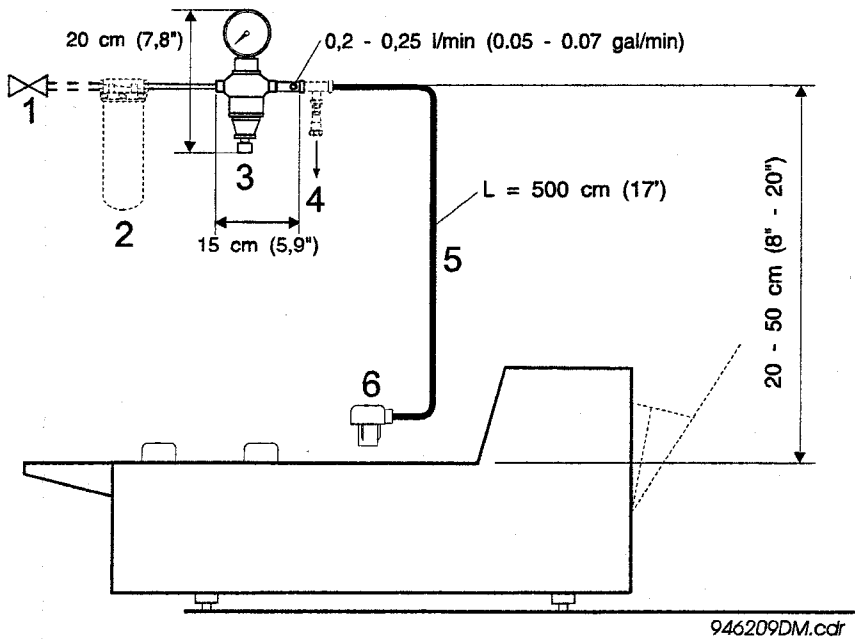


Figure 9 - 8

- | | |
|--------------------------------|--|
| 1 Shut-off tap | 4 Connection for a shower head (recommended)** |
| 2 Filter (recommended)* | 5 Pressure water hose |
| 3 Pressure reducer / ball cock | 6 Connection adapter |

* Order No. Filter: FU+820511

** Order No. Connection for a shower head: FU+8966002

AGFA and the Agfa-Rhombus are trademarks of Agfa-Gevaert AG, Germany

Herausgegeben von / Published by / Edité par

Agfa-Gevaert AG

Fototechnik

Tegernseer Landstraße 161

D - 81539 München

Printed in Germany / Imprimé en Allemagne
DD+DIS031.01E



Section 10

describes subsequent modifications in the machine resulting from technical changes.

Section 11

contains an overview of all technical modifications. This refers to hardware as well as software modifications.

Section 11

List of Contents

1 Replacing the new rear cover 3 and the top cover..... 1

1.1 Cause CURIX 60.....1

1.2 Introduction as production standard1

1.3 Cause CP 10001

1.4 Introduction as production standard1

2 Modification kit for the strain relief 2

2.1 Cause Curix 60 / CP 10002

2.2 Introduction as production standard2

3 Replacement of the cage cover 2

3.1 Cause CP 1000.....2

3.2 Introduction as production standard2

4 Replacement of the valves of the replenisher bottles 3

4.1 Cause.....3

4.2 Introduction as production standard3

5 Pump mounting with latches, introduced as production standard 3

5.1 Cause.....3

1 Replacing the new rear cover 3 and the top cover

1.1 Cause CURIX 60

While the processor is developing films, undeveloped films which are placed on the dryer hood are fogged via the IR heaters.

Error symptoms see section 6.3.

1.2 Introduction as production standard

Cover 3 CM+9.9463.1214.0
Top cover CM+9.9462.1185.2

Machine type	As of SN
9462/105	2219
9462/155	1031
9462/165	1056

1.3 Cause CP 1000

While the processor is developing films, undeveloped films which are placed on the dryer hood are fogged via the IR heaters.

Error symptoms see section 6.3.

1.4 Introduction as production standard

Top cover CM+9.9462.1185.2

Machine type	As of SN
9462/205	2108
9462/285	1072
9462/305	1311
9462/845	2364

2 Modification kit for the strain relief

2.1 Cause Curix 60 / CP 1000

Due to spilling from the machine tanks, and also in case of careless handling in the area of the tank heater/machine tank, the chemicals may run along the cables and reach the Control Board where they can probably cause a short circuit.

2.2 Introduction as production standard

Machine type	As of SN
9462/105	2179
9462/155	1026
9462/165	1056
9462/205	2059
9462/285	1072
9462/305	1311
9462/845	2176

3 Replacement of the cage cover

3.1 Cause CP 1000

When handling full machine tanks above the dryer, the chemicals may spill on the Control Board.

3.2 Introduction as production standard

Closed cage cover CM+9.9463.1471.0

Machine type	As of SN
9462/205	2108
9462/285	1072
9462/305	1311
9462/845	2364

4 Replacement of the valves of the replenisher bottles

4.1 Cause

The material of the valves has been affected by photochemicals.

4.2 Introduction as production standard

Valve, complete (developer) CM+9.9432.1070.5

Valve, complete (fixer) CM+9.9432.1110.5

Valve, complete (water) CM+9.9432.1090.5

Machine type	As of SN
9462/105	2701
9462/155	-
9462/165	-
9462/205	2108
9462/285	1072
9462/305	1311
9462//845	2394

5 Pump mounting with latches, introduced as production standard

5.1 Cause

The customers do not really accept that they have to open screws in order to clean the pumps.

Developer pump CM+9.9462.9110.0

Fixer pump CM+9.9462.9120.0

Water pump CM+9.9462.9130.0

Machine type	As of SN
9462/105	1881
9462/155	1006
9462/165	1036
9462/205	1803
9462/285	1054
9462/305	1131
9462/845	1716

Section 12

describes all routines and tests necessary during maintenance.

Order No: DD+DIS017.00E

February 01



1 piece UJTFW MA 1

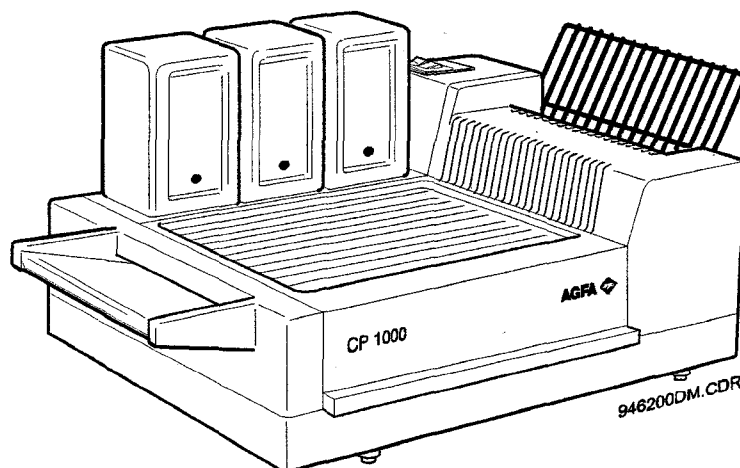
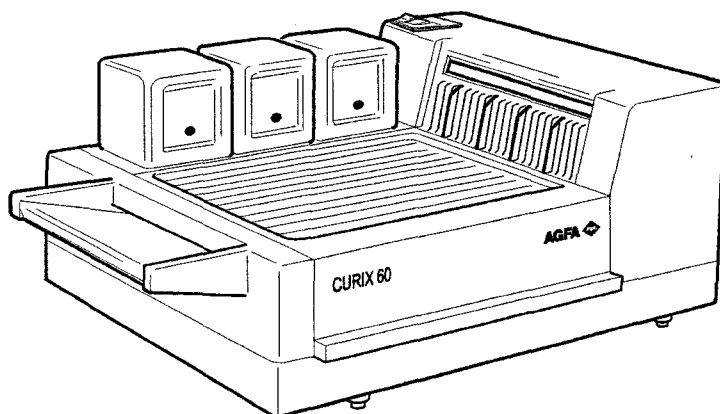
CURIX 60

Type 9462 / 106/105/155/165

CP 1000

Type 9462 / 206/846/205/285/845

Maintenance Instructions

2nd Edition

These Maintenance Instructions may also be ordered separately.

Order number: DD+DIS017.01E

printed in Germany

Section 12

Contents

1	Safety	1
2	General information	4
3	Required tools / maintenance and cleaning material.....	5
3.1	Special tools	5
3.2	Auxiliary tools and material	5
3.3	Lubricants	5
3.4	Cleaning substances	6
3.5	Protection equipment.....	7
4	Functional principle	8
4.1	Assemblies in CURIX 60.....	8
4.2	Functional description of CURIX 60	8
4.3	Assemblies in CP 1000	9
4.4	Functional description of CP 1000	9
5	Cleaning and maintenance.....	10
5.1	General cleaning instructions	10
5.2	General care by the operator	9
5.3	Taking the machine apart.....	11
5.4	Cleaning individual parts and checking their function.....	17
5.4.1	Cleaning the tanks, roller pairs, pumps and drip pans	17
5.4.2	Checking the function of tanks, roller pairs, pumps, drip pan and replenisher bottles	19
5.4.3	Checking the function of the main drive	18
5.4.4	Cleaning the dryer with distributor unit /crossover section /exit section, IR heater and radial flow fan	20
5.4.5	Checking the glass body of the IR heaters	21
5.4.6	Checking the function of the dryer with distributor unit / crossover section and IR heater	21
5.4.7	Cleaning the scanner rollers of the film feed detection.....	22
5.4.8	Checking the scanner rollers of the film feed detection.....	22

5.5 Assembling the machine 23

5.6 Checking electrical safety 25

5.7 Checking machine safety 25

5.8 Checking machine function and completion of maintenance 26

5.9 Accessories 26

Appendix:

Maintenance checklist.....Page 1-3

1 Safety

Safety precautions for processors

General safety instructions

The processor was designed for processing medical X-ray films (except for mammographic films and rollfilms), and should only be used for this purpose.

The processor may only be operated by staff, skilled on the machine.

Make sure that only authorized personnel has access to the processor.

Only trained and authorized service personnel can make repairs or changes to the processor.

If there is visible damage to the machine casing, the processor should not be started or used.

Do not override or disconnect the integrated safety features.

Disconnect the processor from the mains before performing any maintenance activities.

Like all technical devices, the processor must be operated, cared for and serviced correctly, as described in the documentation provided with the machine.

If the processor is not operated correctly or if you do not have it serviced correctly, Agfa is not liable for resulting disturbances, damages or injuries.

When installing the processor, care must be taken to ensure that there is either a mains plug or an all-cable disconnecting device in the internal installation fitted near the processor and that it is easily accessible.

If connections with other components or assemblies are made, Agfa can guarantee safety only for combinations which are approved by Agfa.

If you notice conspicuous smoke or noise, disconnect the processor immediately.

An earth leakage breaker must be built into the electrical circuit ($I_N = 30 \text{ mA}$).

Special instructions for the handling of chemicals

When handling chemicals, you must observe safety and environmental regulations as well as the operating and warning instructions accompanying the chemicals.

Wear stipulated protective clothing and safety goggles.

When disposing of chemicals and waste water, you must comply with the local regulations concerning waste water and environmental protection.

If chemicals get into your eyes, immediately rinse your eyes with cold water and consult a physician.

Do not inhale vapor from chemicals. Make sure that there is sufficient ventilation where the processor is installed, i.e. air exchange that is at least ten times the space volume per hour.

Always comply with the installation instructions.

Regularly check all connections to the processor for tightness.

If liquid gets into the inside of the processor (due to spills), disconnect the processor from the mains immediately and have the device cleaned thoroughly by service personnel.

Safety regulations

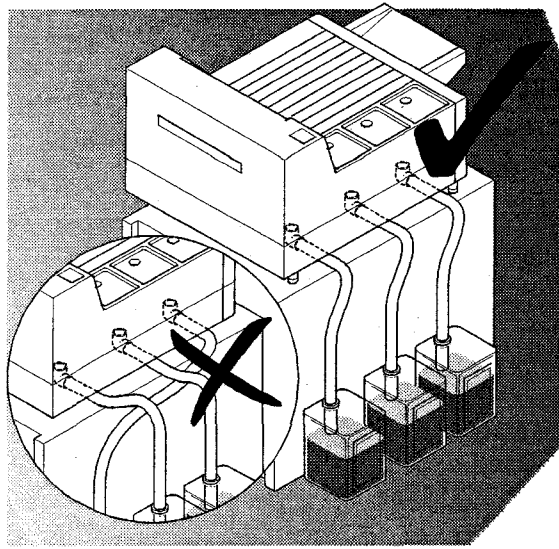
For the types 9462 / 106/206/846: This processor corresponds to the safety regulations EN 60950 1997 (IEC 950) and EN 60601-1-2 1993, UL 1950, CSA C22.2 Nr. 950.

The nonreturn water connection system corresponds to DIN 1988.

For the types 9462 / 105/155/165/205/285/845 This processor corresponds to the safety regulations EN 60950: 1992 + A1 A2: 1993, IEC 950 / VDE 805, UL 122, EN 55022 Class B, FCC part 15, Class A.

The nonreturn water connection system corresponds to DIN 1988.

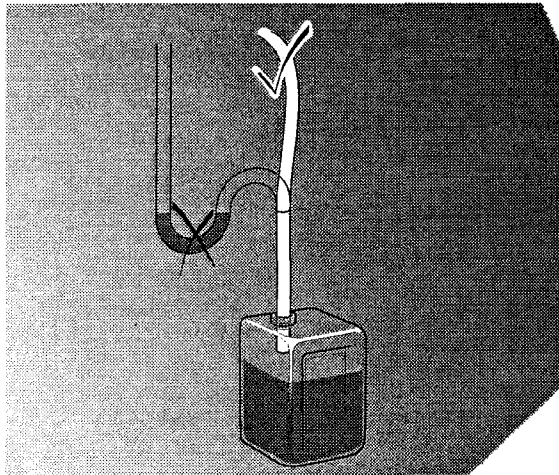
Position the hoses between machine and table always side by side, do not cross them and do not put them on top of each other. Avoid squeezing the hoses.



946203mm.cdr

Fig 12 - 1

Collect spent chemicals in separate containers and suspend the hose pipes at a sloping angle without any kinks. To prevent the hose from slipping out of the chemical disposal container, make sure that the hose is pushed down into the container with sufficient length but without the end of the hose immersed in the liquid.



946212ca.cdr

Figure 12 - 2

2 General instructions



These maintenance instructions are to be considered confidential.



Maintenance of the film processor is to be carried out according to the following cycles:

- **every 7500 cycles** – corresponds to approx. 500 m² of film, or
- **every 12 months** for regular weekly use of the machine

For **tap water with high lime content > 7° dH** (carbonate hardness) or increased algae growth, the number of film cycles decreases accordingly.

If **increased algae growth** is noticeable in the "water section", check which possible measures can prevent this problem!

If necessary, check with your local utility company for connection to a soft water system..

To ensure quality and functional reliability of the film processor,

- ... the operator must be informed that the area where films are handled must be kept free of dust,
- ... the operator must be informed that cleaning intervals must be observed (see cleaning recommendations in the manual),
- ... all of the points listed here (=minimum maintenance) must be carried out. The maintenance points have been arranged in a chronologically suitable order to make your work routines as efficient as possible. The sequence of the maintenance points in the checklist (see enclosure) is identical with these maintenance instructions.

SAFETY

- ... Please comply with any national regulations which have to be observed during maintenance!

3 Required tools / maintenance and cleaning material

This section also provides the technician with information about the material and tools required for maintenance.

3.1 Special tools

In addition to the normal equipment, the following tools are required:

Order number	Tool description
commercially available	thermometer *)
commercially available	torch or hand lamp
commercially available	dust brush, soft, possibly with bellows
commercially available	lint-free cloth
CM+9.9820.0134.1	service key

*) When checking the sensitometry, use the customer's calibrated thermometer.

3.2 Auxiliary tools and material

Order number	Designation
CM+9.9999.9278.0	Silicon rubber Elastosil E43 transparent, tube 90 ml
CM+9.9999.9236.0	Kresto hand wash cream
CM+9.9999.9231.0	Plastic cleaner
CM+9.9999.1524.0	Cleaning sponge
CM+9.9999.9147.0 *)	Isarplast glue (PVC etc.)
CM+9.9999.9159.0 *)	Tangit (PVC hard)
CM+9.9999.9008.0 *)	Stabilit-Express
CM+9.9999.9116.0 *)	Plastic 70 (Protection lacquer)
CM+9.9999.0189.0 *)	Contact cleaner

*) These parts and substances are subject to strict regulations for the transport of inflammable and explosive materials and therefore may not be sent abroad. Please buy them locally!

3.3 Lubricants

Order number	Designation
CM+9.9999.9136.0	Balistol oil
CM+9.9999.9247.0	Grease Isoflex Topas NB52 (50ml)
CM+9.9999.9267.0	Grease Isoflex Topas AK50 (100g)

3.4 Cleaning substances

Order number	Designation	ABC-Code
Developer tank		
CM+9.9999.9225.0 **)	BIC EBAREN 86 cleaner and neutralizer	EBMBU
Fixer tank		
CM+9.9999.9284.0	AGFA FIXCLEAN	7352J
CM+9.9999.9200.0 **)	BIC FIXAREN 80	V5BR6
CM+9.9999.9217.0	BIC FIXAREN MINI	V26KG
Water tank		
CM+9.9999.9193.0 **)	BIC ARGALEX 91 cleaner and neutralizer	VR76F
CM+9.9999.9218.0	BIC ARGALEX 76 MINI	V26LJ
CM+9.9999.9259.0	BIC OXOCLEAN water tank cleaner	65D1Q
Anti-algae agents		
CM+9.9999.9226.0 **)	BIC ALGEFIN 86 A	WDQ02
Lime deposits		
CM+9.9999.9284.0	AGFA FIXCLEAN	3752J
CM+9.9999.9221.0	BECKEN CLEAN (sink cleaner)	V7W91

**) Can be ordered from the Munich warehouse (ETV).



All cleaning substances may irritate the skin and the eyes. Therefore rubber gloves and protective goggles must always be used when mixing and using cleaning substances.

Comply with the manufacturer's instructions!

Splashes in your eyes or on your skin must be rinsed off immediately with water. Follow the instructions stated on the cleaning substance.

Avoid inhaling the dust when mixing up the cleaning powder.

The cleaning substances can corrode the components, particularly the rubber rollers. The reaction time should therefore not exceed approx. 20 minutes. Rinse thoroughly with water or neutralizing chemicals until all remnants of the cleaning substances have been removed

Only use the above mentioned cleaning substances, common liquid soap and water for cleaning!

Disposal

Always observe the regulations by the local authorities and the pertinent sewage protection laws when disposing of cleaning chemicals and water!

3.5 Protection equipment

Order number	Designation
CM+9.9999.1504.0	Protection gloves
CM+9.9999.1505.0	Protection goggles
CM+9.9999.9155.0	Protection cream
Purchase locally	Apron, overall

4 Functional principle

4.1 Assemblies in CURIX 60

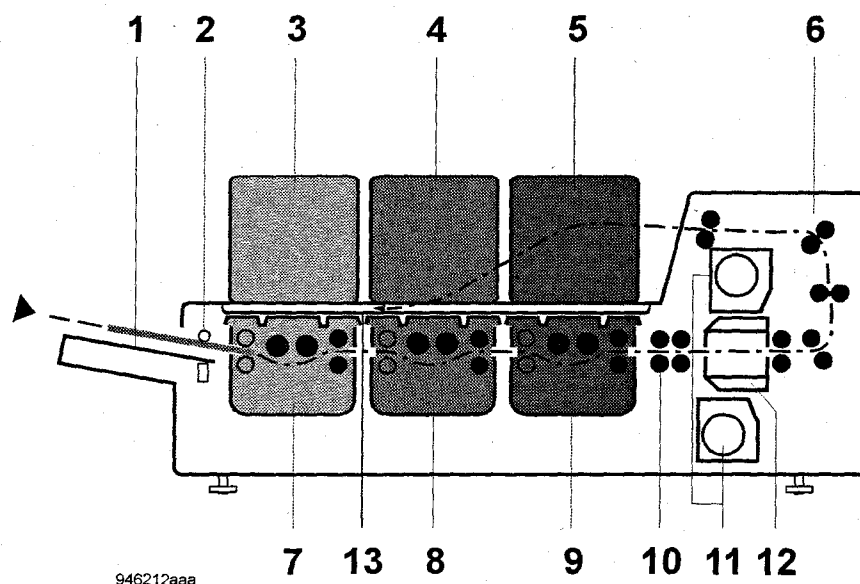


Figure 12 - 3

1	Film feed table	8	Fixer tank (0.9 l)
2	Film feed detection for replenishment and dryer	9	Water tank (0.9 l)
3	Developer replenisher bottle (2.5 l)	10	Distributor unit
4	Fixer replenisher bottle (2.5 l)	11	Radial flow fan
5	Water replenisher bottle (2.5 l)	12	Infrared dryer
6	Crossover section	13	Machine cover
7	Developer tank (0.9 l)		

4.2 Functional description of CURIX 60

The exposed film is inserted via the film feed table on the left hand side of the film processor. The film passes the film feed detection which controls the replenishment and dryer system, and then runs through the tanks with developer, fixer and wash water. After drying the film leaves the dryer, passes through a crossover and is placed on the machine cover.

4.3 Assemblies in CP 1000

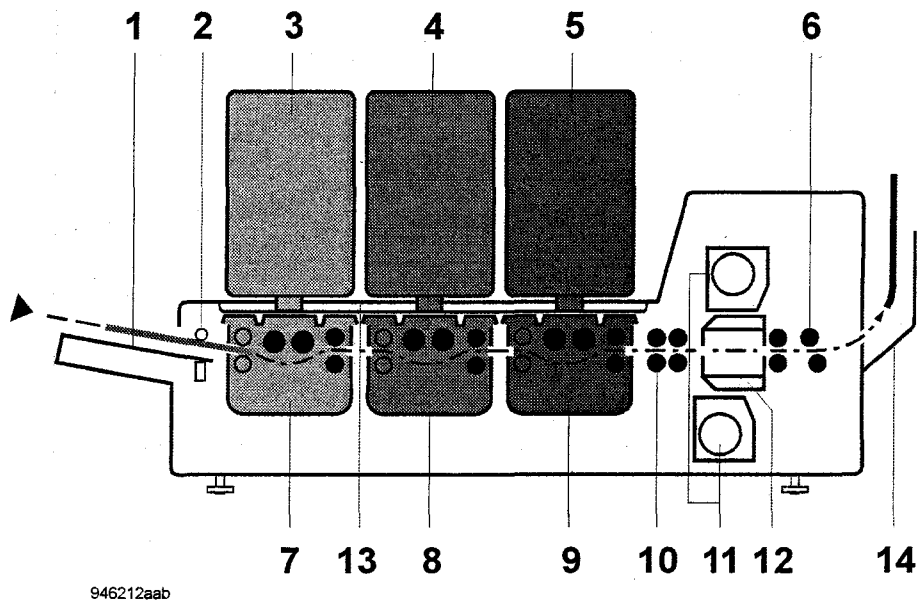


Figure 12 - 4

1	Film feed table	8	Fixer tank (0.9 l)
2	Film feed detection for replenishment and dryer	9	Water tank(0.9 l)
3	Developer replenisher bottle (5 l)	10	Distributor unit
4	Fixer replenisher bottle (5 l)	11	Radial flow fan
5	Water replenisher bottle (5 l)	12	Infrared dryer
6	Exit section	13	Machine cover
7	Developer tank (0.9 l)	14	Film chute

4.4 Functional description of CP 1000

The exposed film is inserted via the film feed table on the left hand side of the film processor. The film passes the film feed detection which controls the replenishment and dryer system, and then runs through the tanks with developer, fixer and wash water. After drying the film leaves the dryer, passes through a crossover and is placed in the film chute.

5 Cleaning and maintenance

Film processors get dirty due to the influence of water, chemicals and films. This contamination may have a negative effect on the machine function. To guarantee correct function and good phototechnical results, the machine must be cleaned at regular intervals.

5.1 General cleaning instructions



**For cleaning always wear waterproof protection gloves and goggles!
Always disconnect the mains plug from the socket.**

- Never use water with a temperature higher than 40°C.
- Avoid skin contact with cleaning substances.
- The electrical wiring of the tank heaters is permanently connected. Do not disconnect the wires.
- Never clean the machine housing or plastic parts of the tank heaters under running water. Only wipe them down with a damp cloth!
- The replenisher bottles, bottle valves, bottle holders, tank covers, pumps and tanks have color codes to avoid confusion and thus contamination of developer / fixer and for ea sier assembly after cleaning. They must be fitted again in the correct position after cleaning.
- Make yourself familiar with the manufacturer's instructions for developer / fixer and cleaning substances.

5.2 General care by the operator

To ensure quality and functional reliability



**Inform the operator that the area where films are handled must be kept free of dust.
Inform the operator that cleaning intervals must be observed (see cleaning recommendations in the manual).**

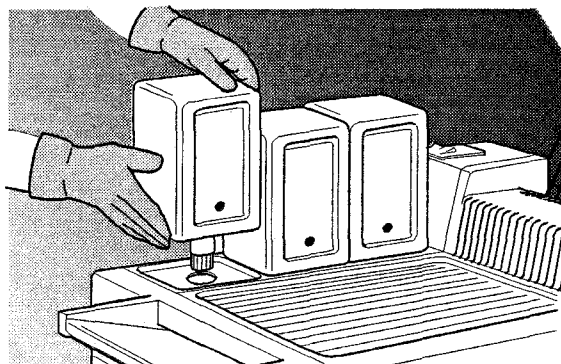
Interval	Maintenance / cleaning
Daily	At the end of work, remove and empty the water replenisher bottle. Remove the developer and fixer replenisher bottles and open the machine cover slightly.
Weekly	Empty the wash water tank and clean it.
	If less than 80 films are developed per week: Empty the tanks and clean them and replace the used developer / fixer in the replenisher bottles.
Every 2 weeks	If more than 80 films are developed per week: Empty the tanks and clean them and replace the used developer / fixer of the replenisher bottles.
Monthly	Clean the distributor unit.

5.3 Taking the machine apart



Disconnect the mains plug before taking the machine apart!
Always wear protection gloves and goggles when cleaning the machine!

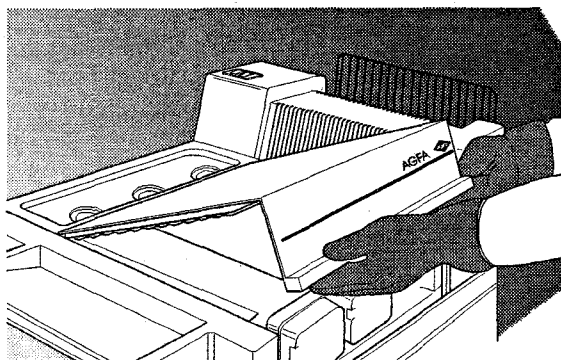
Lift the replenisher bottles and remove them one by one!



946212ha.cdr

Figure 12 - 5

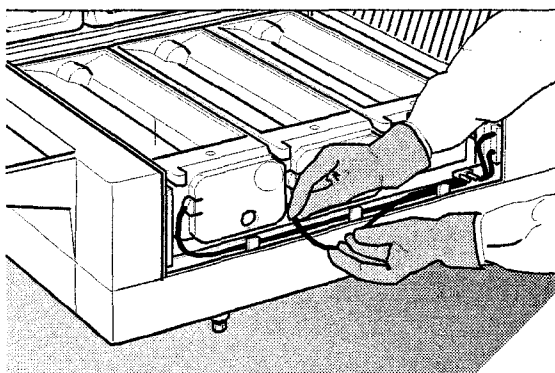
Remove the machine cover.



946203ym.cdr

Figure 12 - 6

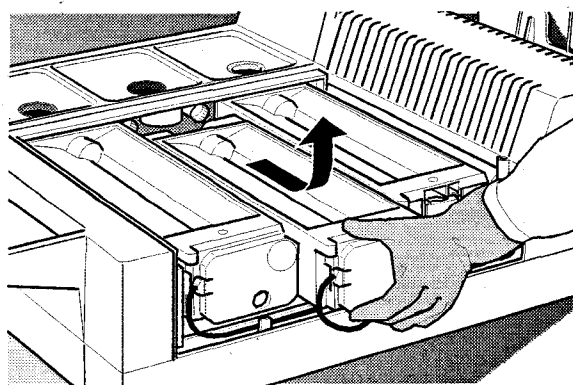
Take the cables carefully out of the cable guides. The water tank is the only one without a heater and thus has no cable connections.



946212fm.cdr

Figure 12 - 7

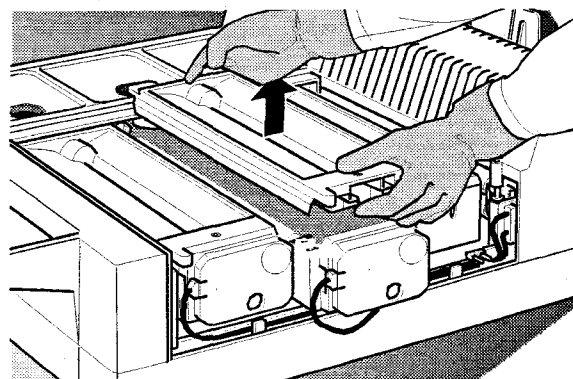
Pull the corresponding tank approx. 8 to 10 cm in direction of the arrow.



946212gm.cdr

Figure 12 - 8

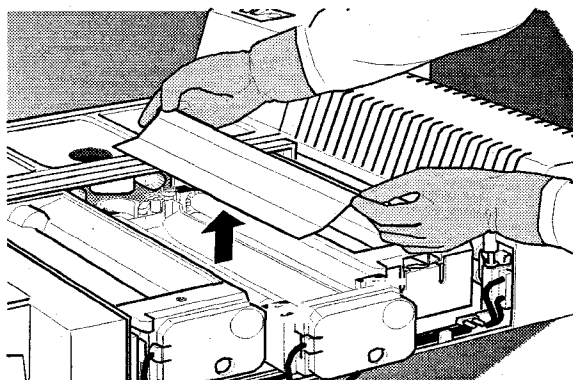
Remove the roller holder.



946212im.cdr

Figure 12 - 9

Remove the guide plate.



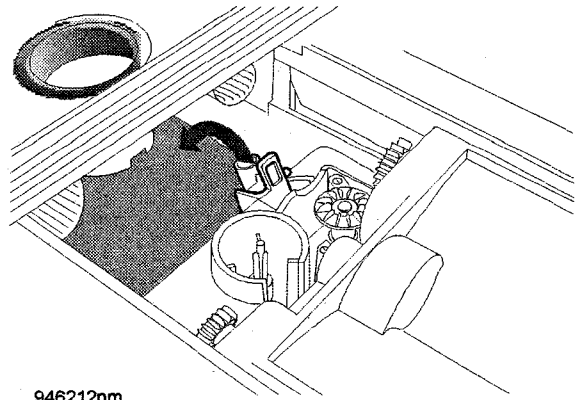
946212hm

Figure 12 - 10



For the following task proceed with extreme care! Risk of splashing!

Lift the swivel arm and move it to the front.
Hold the swivel arm down until the liquid is drained.



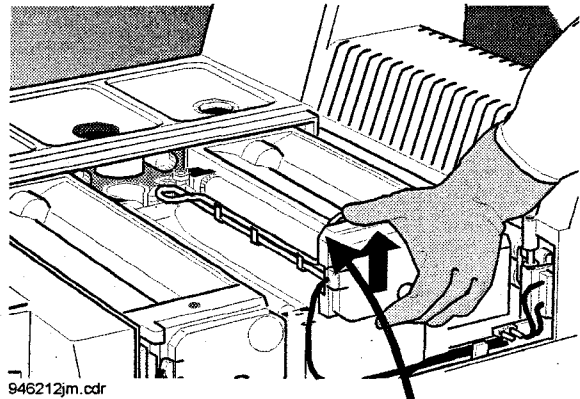
946212nm

Figure 12 - 11



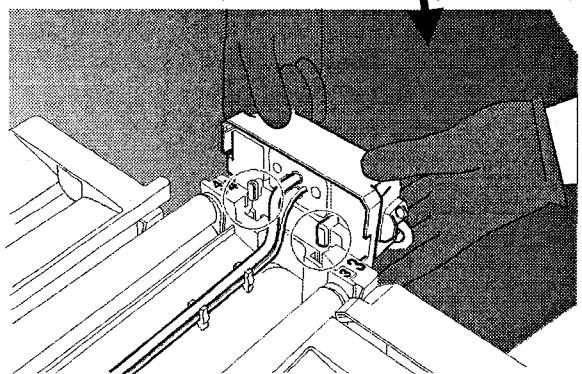
Slowly move the swivel arm back to suction position. Risk of splashing!
Any splashes in your eyes or on your skin must be rinsed off immediately with water. Proceed according to the instructions stated on the cleaning substance.

Lift the tank heater out.



946212jm.cdr

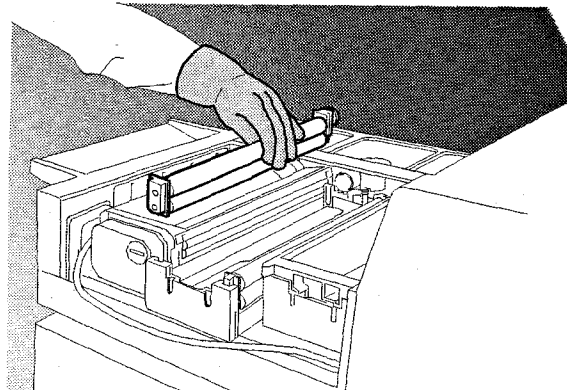
Figure 12 - 12



946212km

Figure 12 - 13

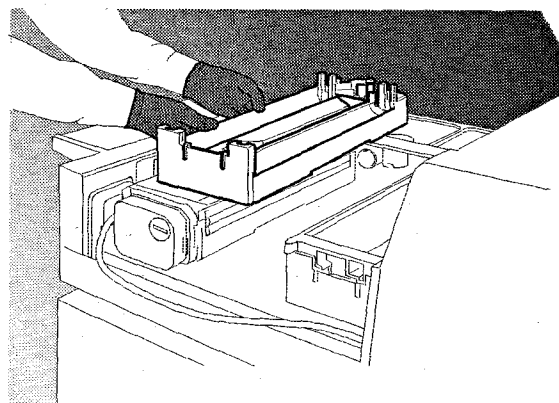
Lift the two roller pairs out.



946212lm

Figure 12 - 14

Take the tank out of the machine.



946212mm

Figure 12 - 15



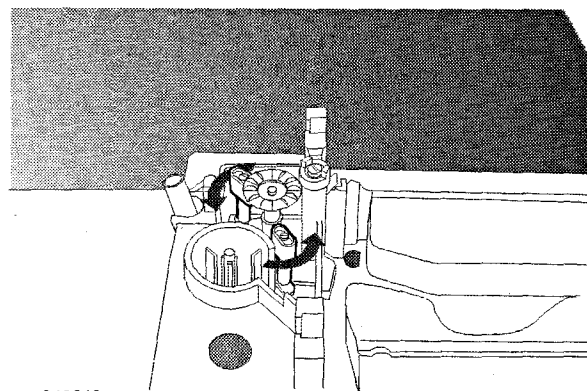
Replenisher bottles, replenisher pumps and roller pairs for developer, fixer and water may not be confused. The tanks, replenisher bottles and replenisher pumps are marked with a color code. The roller pairs are numbered:

Developer red, roller pairs 1 and 2, pump red

Fixer blue, roller pairs 3 and 4, pump white

Water white, roller pairs 5 and 6, pump black

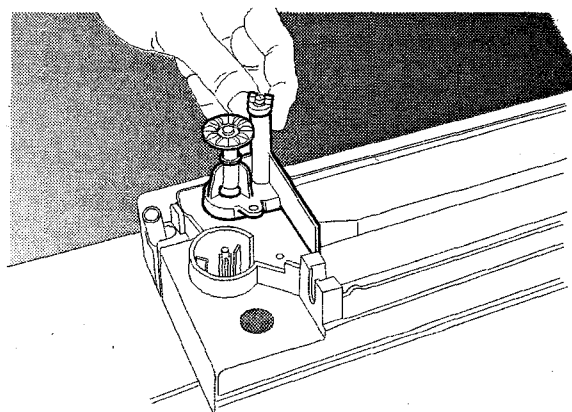
At the tank: unlock the pump by turning the wings on the tank counterclockwise. In some of the machines, the fixing screws have to be loosened.



946212om

Figure 12 - 16

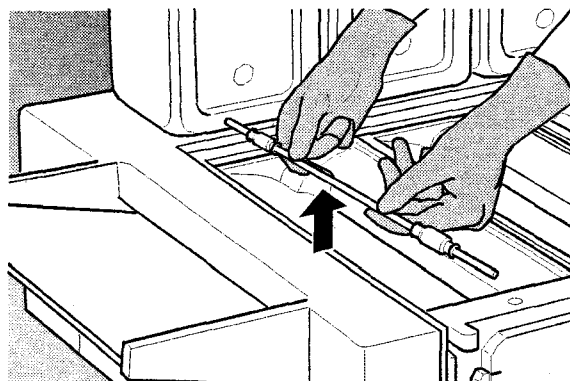
Pull the pump out and remove the other tanks and pumps accordingly.



946212pm

Figure 12 - 17

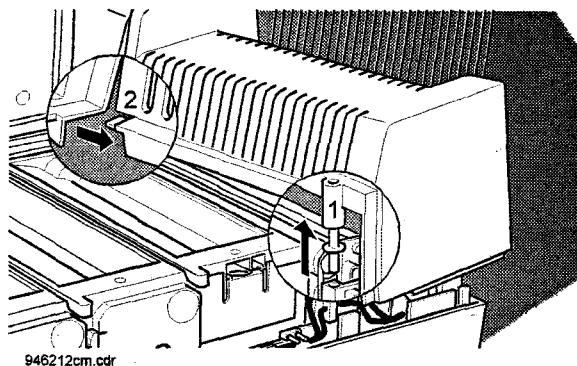
Take the scanner rollers of the film feed detection out of the holder.



946212rm

Figure 12 - 18

Lift the dryer housing out carefully to pull the safety switch (1) out of its guide. Pull the dryer housing to the right (2) and out of its holding lips.

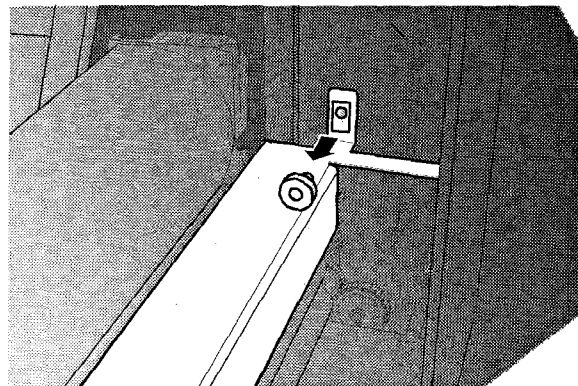


946212cm.cdr

Figure 12 - 19

In CP 1000

Loosen the screw connection on the exit section (1 screw on the drive board) and take the exit section out.

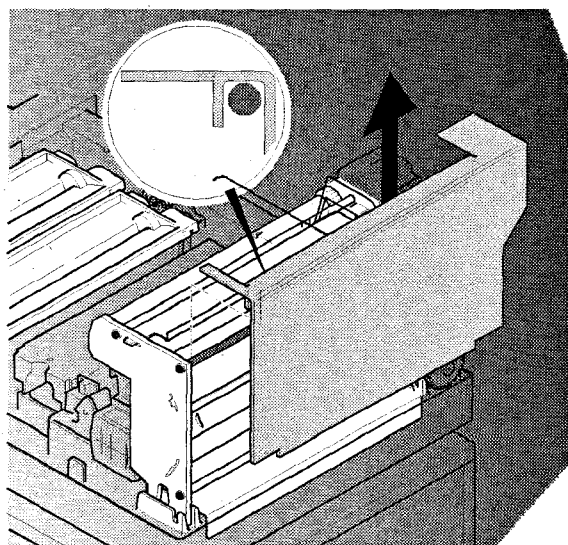


946212yym.cdr

Figure 12 - 20

In CURIX 60

Lift the cover at the rear tie rod and remove it. The crossover section can then be removed.

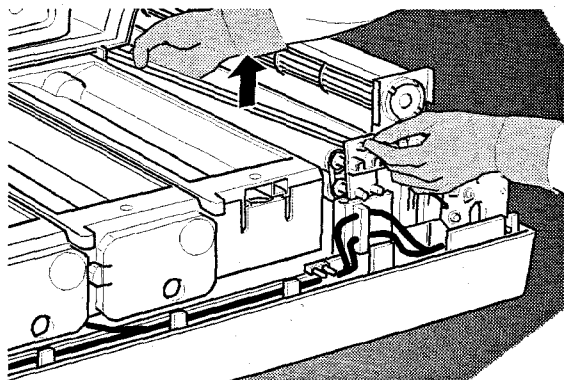


946212ak.cdr

Figure 12 - 21

**Continue in CURIX 60
and CP 1000**

Lift the distributor unit out.



946212bm

Figure 12 - 22

5.4 Cleaning individual parts and checking their function

5.4.1 Cleaning the tanks, roller pairs, pumps and drip pans



Replenisher bottles, replenisher pumps and roller pairs for developer, fixer and water may not be confused. The tanks, replenisher bottles and replenisher pumps are marked with a color code. The roller pairs are numbered:

Developer red, roller pairs 1 and 2, pump red

Fixer blue, roller pairs 3 and 4, pump white

Water white, roller pairs 5 and 6, pump black



Never hold the plastic parts of the heater under running water!

Rinse the tank heaters of the developer tank and fixer tank in a sink with hand-warm water.

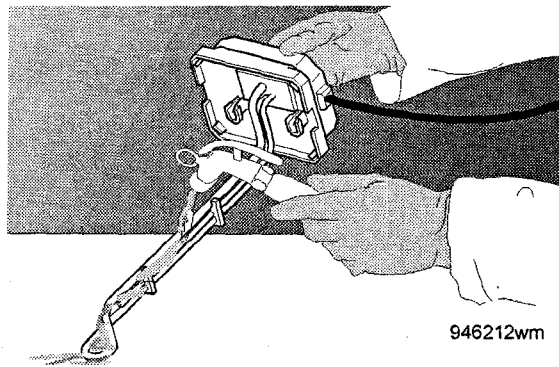


Figure 12 - 23

Rinse the developer tank, roller holder and guide plate in a sink with hand-warm water. Always take out the roller pairs first. The roller pairs of the tanks are numbered and can be assembled again in reverse order. Also rinse the hose of the swivel arm. For this purpose, turn the swivel arm to the front.

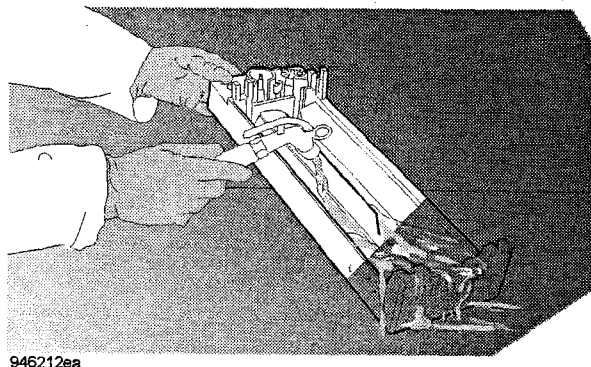
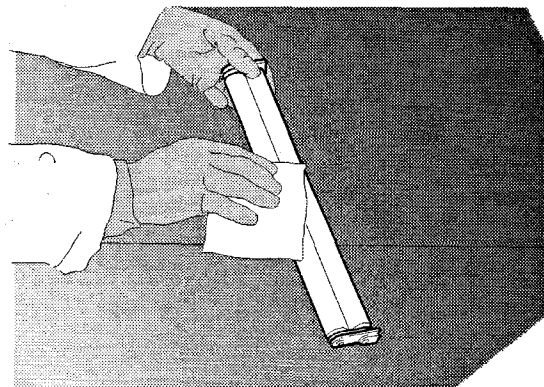


Figure 12 - 24

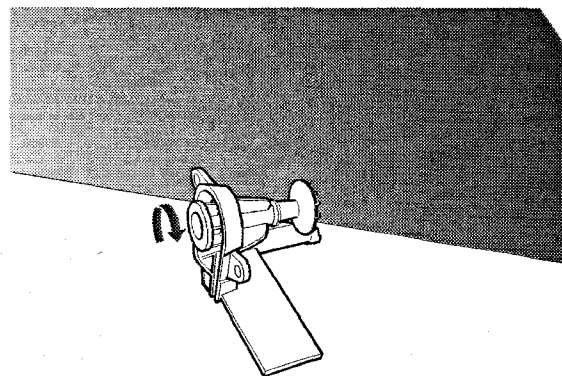
Wipe the roller pairs with a soft, damp cloth.



946212tm

Figure 12 - 25

Clean the pump under running water. Check particularly that the pump wheels run easily. If the pump is clogged with algae, clean it carefully with a soft brush.

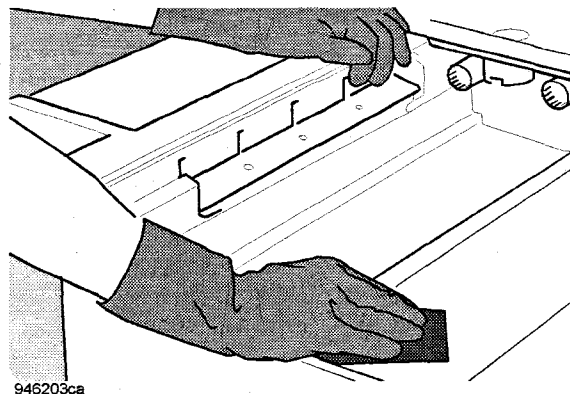


946212um

Figure 12 - 26

Proceed with the other tanks in the same manner.

Clean the drip pan with a damp, soft cloth and remove all remnants from the drain openings of the drip pan.



946203ca

Figure 12 - 27

5.4.2 Checking the function of the tanks, roller pairs, pumps, drip pan and replenisher bottles

Test points	Measures	Remarks
Tanks	Check for: - cracks in the body	Check visually
Roller holder	Check for: - smooth operation / damage on the rollers	Check visually
Roller pairs	Check for: - correct position according to the numbers - damage, wear of the roller surface - wear on the bearings / springs / gears	Check visually Check visually Check visually
Guide plate	Check for - scratches / damage to the surface	Check visually
Replenisher pumps	Check for - correct assignment of tank/pump according to the spare parts list (DEV: red, FIX: blue, W: black) - correct adjustment of the supply rate (see Reg. 03)	Check visually Check visually
Replenisher bottles	Check for: - tightness between bottles and bottle valves (valve tightly screwed on and tight) - cracks in the valve and on the bottle	Check visually Check visually
Drip pan	Check for: - cracks in the body	Check visually



In case of cracks and damage, replace the individual parts and the assemblies.

5.4.3 Checking the function of the main drive

Test points	Measures	Remarks
Toothed belt	Check for: - damage of the tooth edges	Check visually
Worm drive / worm gear	Check for: - slight grease film on the worm gear - running noise in the area of the worm drive / worm gears	Check visually Check visually

5.4.4 Cleaning the dryer with distributor unit / crossover section / exit section, IR heater and radial-flow fan

Clean the distributor unit / crossover section / exit section with water and a soft cloth.

Wipe the radial flow fan and the visible parts of the dryer with a soft cloth.

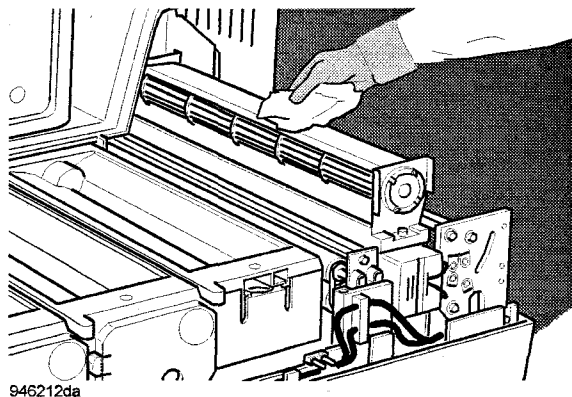


Figure 12 - 28



Caution!!

When cleaning the radial-flow fan do not bend the fins!

If the reflector plates are dusty:

Disconnect the IR heater

Open the housing of the IR heater and clean the reflector plates with a soft brush (MX+06-07-015).

5.4.5 Checking the glass body of the IR heaters



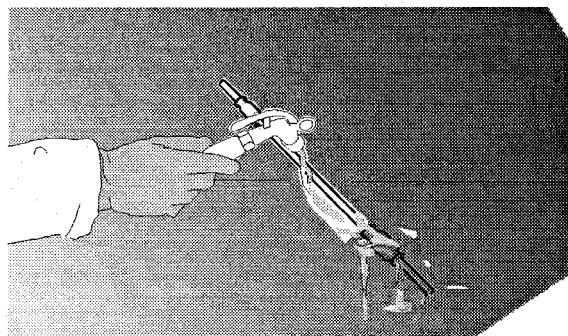
If the clear glass body of the IR heater starts to discolor at the ends, this indicates first signs of wear! Once the discoloring reaches into the middle of the heater, correct function can no longer be guaranteed and heater failure must be expected in the near future! Replace the complete IR unit!

5.4.6 Checking the function of the dryer with distributor unit / crossover and IR heater

Test points	Measures	Remarks
IR heater	Check for: - discoloring of the glass body (see note above) - dust or lime deposits on the surface of the reflector plates	Check visually Check visually
In CURIX 60: distributor unit / crossover In CP 1000: distributor unit / exit section	Check for: - correct position according to the number - damage or wear of the roller surface - wear at the bearing / spring / gears - scratches on the film guides in the crossover section - smooth operation	Check visually Check visually Check visually Check visually
Radial flow fan	Check for: - correct function (normal fan running noise) and increased fan running noise	Check visually
Dryer step setting	Check for: - changes in the IR unit brightness depending on the dryer step setting	See Section 6.2

5.4.7 Cleaning the scanner rollers of the film feed detection

Rinse the scanner rollers with lukewarm water



946212fa

Figure 12 - 29

5.4.8 Checking the scanner rollers of the film feed detection

Check for:

Smooth operation

Centered position of the hose on the roller

Cracks in the hose surface

The function of the film feed detection should be checked in a completely assembled machine. Therefore proceed according to paragraph 5.6 .

5.5 Assembling the machine

Assemble the individual parts in reverse order.

Insert the parts of the dryer and then mount the dryer housing.



The dryer housing and machine cover operate a safety switch via a pin on the right-hand side of the dryer housing. The machine runs only if the dryer housing and machine cover are correctly mounted. Make sure that the pin engages correctly.

Assemble the individual parts of the first tank according to the color code and the numbers.



Developer: red, roller 1 and 2, pump red

Fixer: blue, roller 3 and 4, pump white

Water: white, roller 5 and 6, pump black

Proceed with the other tanks in the same way and insert the tanks.

Insert the scanner roller of the film feed detection again.

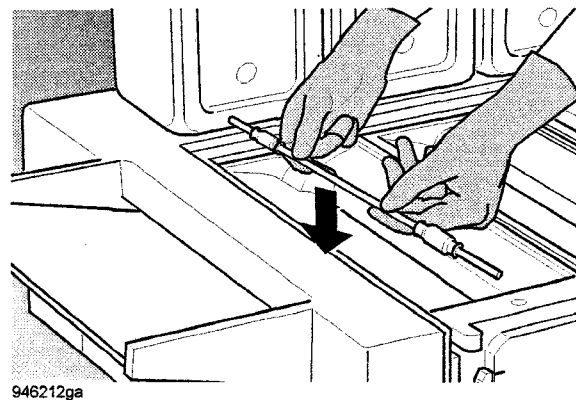
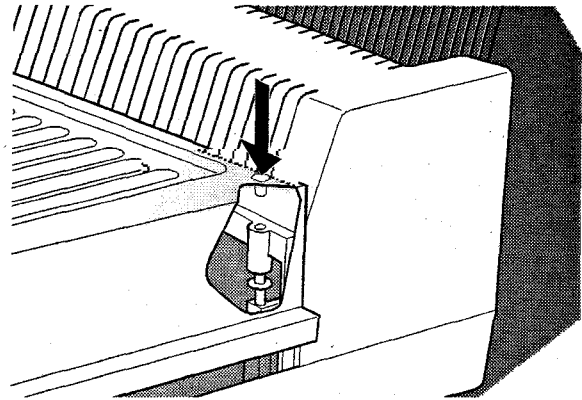


Figure 12 - 30

Close the machine cover and mount the replenisher bottles.



946212zm

Figure 12 - 31

Connect the mains plug and switch the machine on.



If the dryer housing and machine cover are mounted correctly, then the machine will start.

5.6 Checking electrical safety

Test points	Measures	Remarks
Terminal strip XK1 on GS1 (Type 105/155/165/205/285/845) Terminal strip XK1 on GS3 (Type 106/206/846)	Check for: - tight connection	Check visually
Mains cable, plug and cables inside the machine.	Check for: - incorrect cable connection - damage	Check visually Check visually
Mains fuse	Check for: - required values	Check visually
Ground connection	Check for: - tight connection	Check visually
Protective earth	Check for: - contact resistance fixed connection ≤ 0.2 Ohm - contact resistance earthing contact plug ≤ 0.3 Ohm	Meter Meter

5.7 Checking machine safety

Test points	Measures	Tools
Hose positioning and fixing	Check for: - correct positioning without sharp bends and sagging - tightness	Check visually Check visually

5.8 Checking machine functions and completion of maintenance

Test points	Measures	Tools
Developer temperature	- Compare adjusted developer temperature with the ACT.temperature*	Thermometer
Fixing temperature 34°C	- Determine the ACT. temperature	Thermometer
Dryer step setting	- Clock / brightness, the IR heater gets brighter when the dryer step is changed	Check visually
Film drying	- Films stick together (too wet)	
Transport function	- Feed film - Check with all film sizes	
Film surface scanner	- Check (see note)	
Film quality	- Process test wedges	CURIX test wedge or similar Clear film

- * for Type 9462 / 106/206/846
- Compare code switch S1 and potentiometer R17 on GS1 with the nominal temperature requested by the operator and with the ACTUAL temperature.
- for Type 9462 / 105/155/165/205/285/845
- Compare code switch (S4) on the PCB and Potentiometer R53 with the nominal temperature requested by the operator and with the ACTUAL temperature.



Check the function of the film feed detection by feeding two narrow films. Insert the one film on the left-hand side of the film feed table. If the left-hand film feed detection works correctly, the radial flow fan will start. Use the second film to check the right-hand film feed accordingly.

Repeat this procedure with various film sizes.

5.9 Accessories

Test points	Measures	Tools
Integrated accessories	- Check the functions	Check visually
External accessories	- Check the function	Check visually
Supply rate of the ball cock	- Check	Check visually

Section 13

contains the Fieldservice Bulletins, this is urgent and important information (usually on individual sheets) e.g.:

- Errors with safety aspects
- Errors in the series which can be restricted to a certain time or batch
- Special logistic actions

Section 14

contains all planning data including the required measures to be carried out on site before the machine is delivered.

The section is divided into

- Construction planning data
- Technical connection and performance data
- Safety instructions

Section 14

List of Contents

1	Safety	1
2	Installation planning	3
2.1	System overview.....	3
2.2	Machine dimensions	4
2.3	Transport path	4
2.4	Access for repair and maintenance.....	5
2.5	Scope of delivery and accessories.....	6
2.6	Ambient conditions	7
3	Technical data	8
3.1	Connection data.....	8
3.1.1	Water connection.....	8
3.1.2	Electrical connection	9
3.1.3	Replenisher supply	10
3.1.4	External replenishment	10
3.1.5	Disposal of chemistry.....	10
3.2	Machine data.....	12
3.2.1	Type overview.....	12
3.2.2	Functional data	12
3.2.3	Electrical data	13
3.2.4	Climatic data.....	14
3.2.5	Dimensions and weights	14
3.3	Safety.....	15
3.3.1	For the types 106/206/846.....	15
3.3.2	For the types 105/155/165/205/285/845	15
3.4	Interference suppression	15
3.4.1	For the types 106/206/846.....	15
3.4.2	For the types 105/155/165/205/285/845	15
3.5	Electromagnetic compatibility (106/206/846 only).....	15

1 Safety

Safety precautions for processors

General safety instructions

The processor was designed for processing medical X-ray films (except for mammographic films and rollfilms), and should only be used for this purpose.

The processor may only be operated by staff, skilled on the machine.

Make sure that only authorized personnel has access to the processor.

Only trained and authorized service personnel can make repairs or changes to the processor.

If there is visible damage to the machine casing, the processor should not be started or used.

Do not override or disconnect the integrated safety features.

Disconnect the processor from the mains before performing any maintenance activities.

Like all technical devices, the processor must be operated, cared for and serviced correctly, as described in the documentation provided with the machine.

If the processor is not operated correctly or if you do not have it serviced correctly, Agfa is not liable for resulting disturbances, damages or injuries.

When installing the processor, care must be taken to ensure that there is either a mains plug or an all-cable disconnecting device in the internal installation fitted near the processor and that it is easily accessible.

If connections with other components or assemblies are made, Agfa can guarantee safety only for combinations which are approved by Agfa.

If you notice conspicuous smoke or noise, disconnect the processor immediately.

An earth leakage breaker must be built into the electrical circuit ($I_N = 30 \text{ mA}$).

Special instructions for the handling of chemicals

When handling chemicals, you must observe safety and environmental regulations as well as the operating and warning instructions accompanying the chemicals.

Wear stipulated protective clothing and safety goggles.

When disposing of chemicals and waste water, you must comply with the local regulations concerning waste water and environmental protection.

If chemicals get into your eyes, immediately rinse your eyes with cold water and consult a physician.

Do not inhale vapor from chemicals. Make sure that there is sufficient ventilation where the processor is installed, i.e. air exchange that is at least ten times the space volume per hour.

Always comply with the installation instructions.

Regularly check all connections to the processor for tightness.

If liquid gets into the inside of the processor (due to spills), disconnect the processor from the mains immediately and have the device cleaned thoroughly by service personnel.

Safety regulations

For the types 9462 / 106/206/846: This processor corresponds to the safety regulations EN 60950 1997 (IEC 950) and EN 60601-1-2 1993, UL 1950, CSA C22.2 Nr. 950.

The nonreturn water connection system corresponds to DIN 1988.

For the types 9462 / 105/155/165/205/285/845: This processor corresponds to the safety regulations EN 60950: 1992 + A1 A2: 1993, IEC 950 / VDE 805, UL 122, EN 55022 Class B, FCC part 15, Class A.

The nonreturn water connection system corresponds to DIN 1988.

2 Installation planning

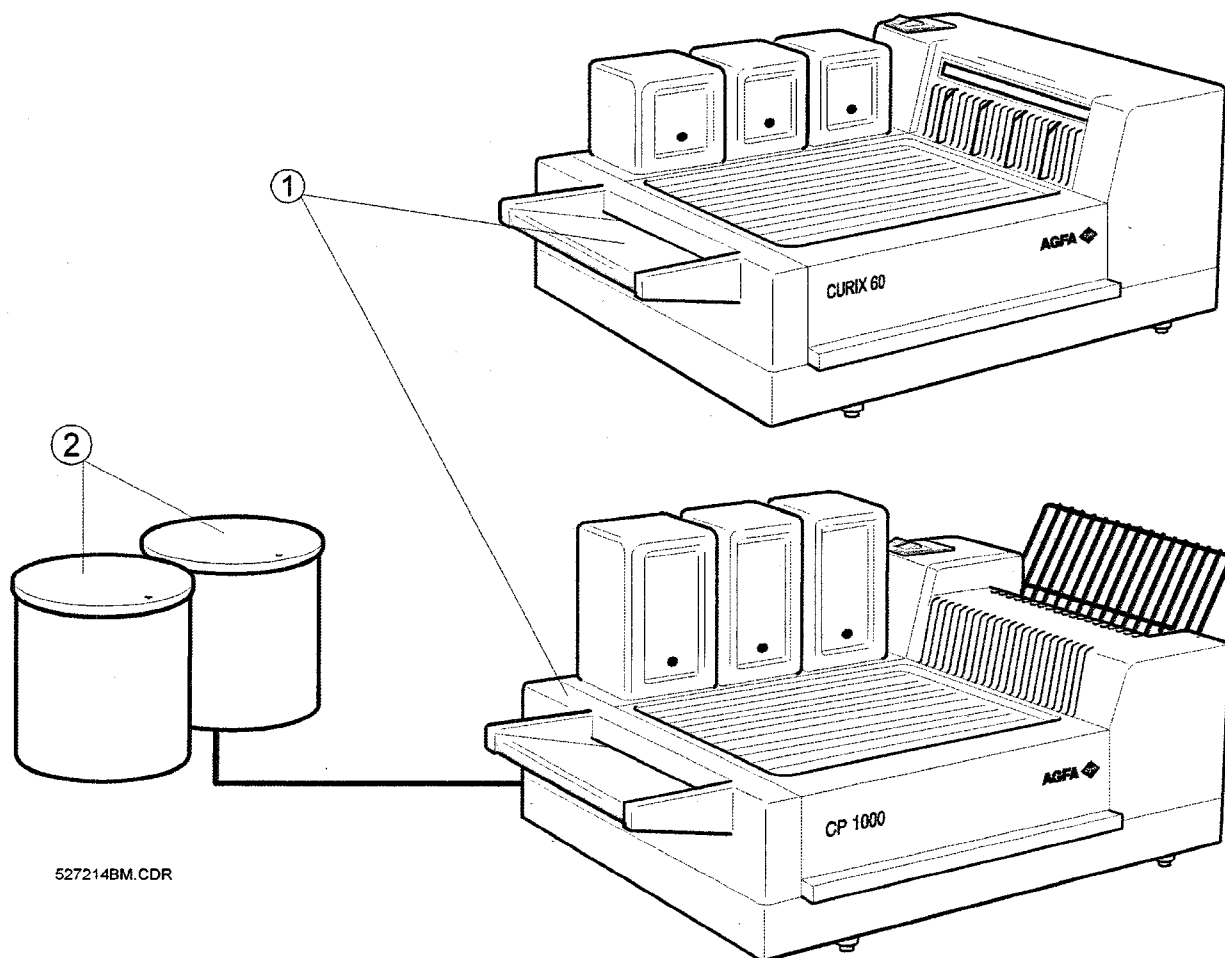
2.1 System overview

The system requires the following components which must be considered in the planning:

- ① Film processor
- ② Disposal tanks or connection to a centralized disposal system

Water connection via water filter (not shown)

The installation planning must be carried out to meet these requirements.



527214BM.CDR

Figure 14 - 1

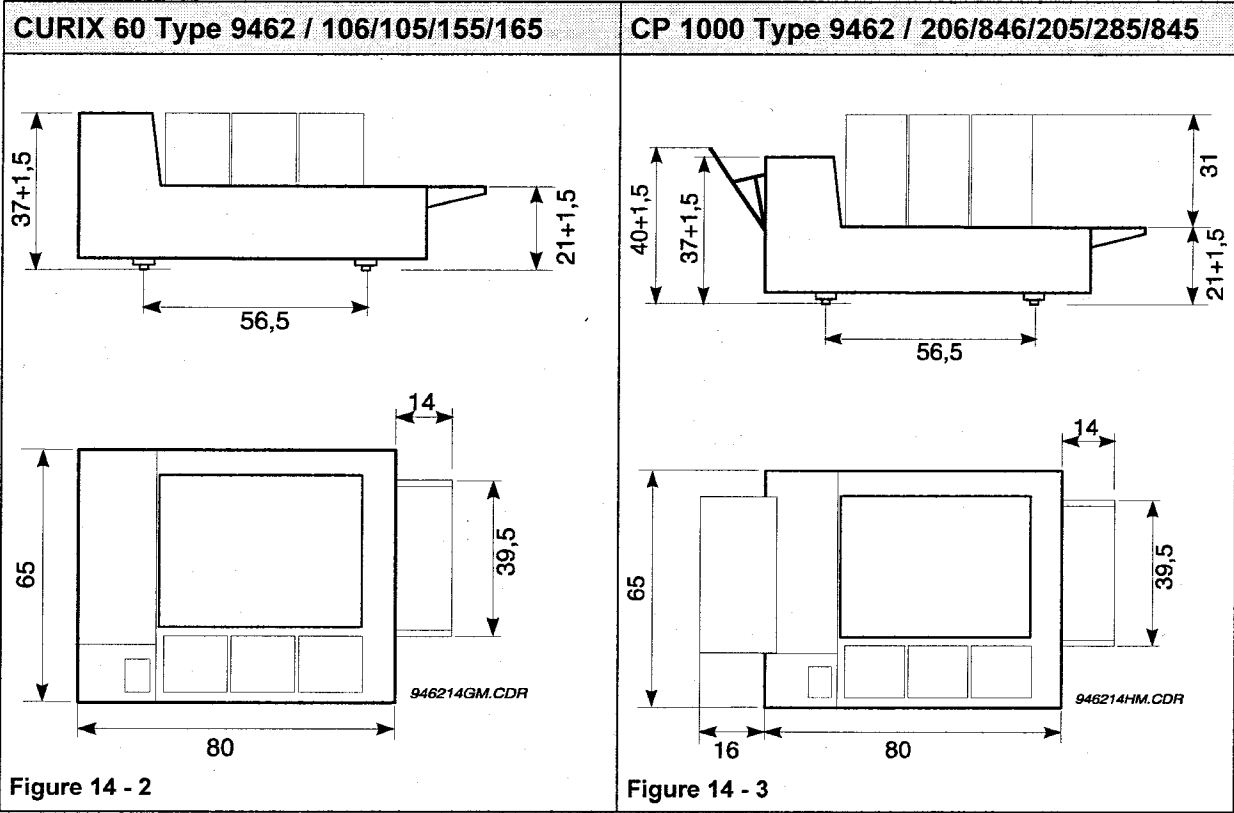
The film processor is a stand-alone machine and has been designed for installation in a darkroom.

2.2 Machine dimensions

Minimum size of the table (or machine base) 660 mm x 660 mm

It should be a stable construction with a chemical resistant easy to clean surface.

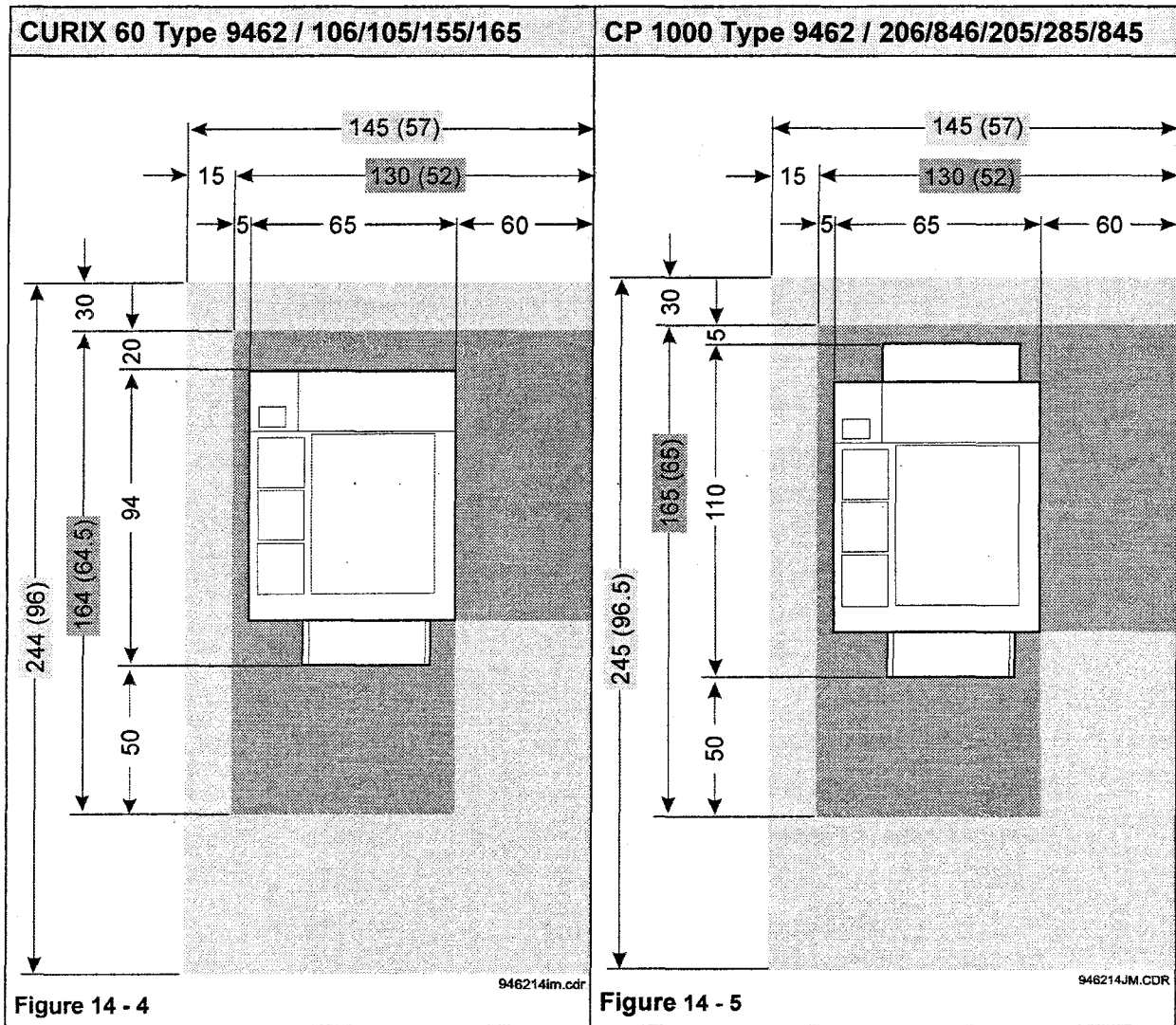
All dimensions are given in cm.



2.3 Transport path

It must be possible to transport the film processor through all hallways and doors up to the installation site. **The smallest door width must be at least 79 cm (31,1 inches)** (width of the pallet + 1 cm on each side).

2.4 Access for repair and maintenance



Dimensions in cm (inches)

The free space shown in the drawings must be reserved for repair and maintenance.



Optimum space

We recommend to plan on the free space as shown in the drawing.



Minimum space

This space is an absolute minimum.



Not enough free space around the machine may result in longer repair times!

2.5 Scope of delivery and accessories

CURIX 60 Type 9462 / 106/105/155/165	CP 1000 Type 9462 / 206/846/205/285/845
• Film processor • Film feed table • 3 replenisher bottles 2.5 l • Mains connection cable UL NEMA 5-15 P, or Euro plug IEC83; 1975 Standard C5 • Documentation - User Manual - Reference Manual in English - Installation documentation - Checklist for site-planning - Packing list	• Film processor • Film feed table • 3 replenisher bottles 5 l • Mains connection cable UL NEMA 5-15 P, or Euro plug IEC83; 1975 Standard C5 • Film chute • Documentation - User Manual - Reference Manual in English - Installation documentation - Checklist for site-planning - Packing list

Accessories	ABC Code	Type Number
Light tight cover	2T7ZG	9462/510
Fixed water connection	HV49W	9424/100
Replenishment bottles 2.5 l	3N5NP	9462/520
Replenishment bottles 5 l	3N5OL	9462/540
Table	25HNJ	9462/600
CX 60 / CP 1000 external replenishment unit 120 V / 60 Hz	3XN83	9462/570
CX 60 external replenishment unit 230 V / 60 Hz	34VZW	9462/580

2.6 Ambient conditions

Room temperature	during operation min. 10 °C, max. 30 °C
Relative humidity	during operation min. 10 %, max. 80 % (no condensation) The function of PCBs can be guaranteed up to a humidity of 95 % without interference.
Light tightness	maximal 2500 Lux
Noise level	Standby: 46 dB (A), film cycle: 55 db (A)
Radiation effects	The film processor has not been designed for the installation in the X-ray room, i.e. there is no internal screening against scattered radiation, if necessary the screening must be fitted subsequently.
Floor conditions	Waterproof, chemical resistant floor cover (pH value 4 - 11).
Ventilation	Provide for sufficient air circulation in order to keep the concentration of chemical fumes low. An air exchange of 10 times the room volume per hour is required. If you have any questions on this subject please refer to your local AGFA office.
Cleaning sink	A cleaning sink with a water tap and hose shower should be provided for maintenance work. Minimum inside dimensions of the sink: Length 60 cm x width 50 cm x height 20 cm

Transport and storage conditions

Outside temperature	During storage an exposure to the lower limit temperature of -25 °C is only permitted for a maximum of 72 h (IEC 68-2-2 (Ab)). Exposure to the upper limit temperature of +35 °C is only permitted for up to 96 h (IEC 68-2-2(Ab)).
Relative humidity	Relative humidity during storage must be between 5 % and 95 %

3 Technical data

3.1 Connection data

3.1.1 Water connection

The machine does not need its own water connection.

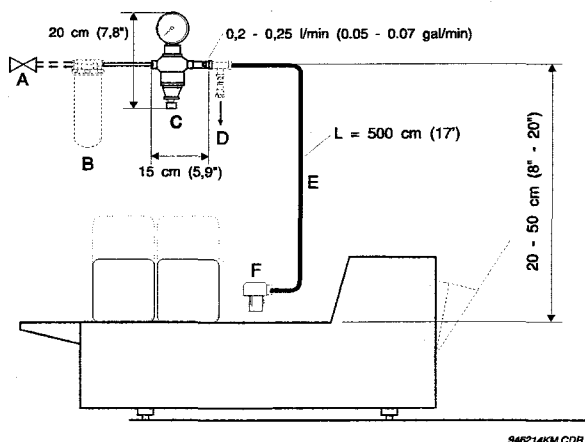
Water supply is provided by 2.5 l water replenisher bottles (in the CX 60) and by 5 l water replenisher bottles (in the CP 1000). Also refer to chapter 2.6 Ambient conditions.

The available fixed water connection (option) type 9424/100 includes a pressure reducer / ball cock (C), a high-pressure water hose (E) and an adapter piece (F), see drawing below. Please file the enclosed documentation in section 9 of this manual.

The required water connection is a 3/8" water connection.

Regulations

The free water supply of the machine is in compliance with the regulations according to DIN 1988, and the application is based on the bulletin W 503 of the DVGW (Technical regulations for installation of drinking water).



- A Shut-off valve
- B Filter (recommended)
- C Pressure reducer / ball cock
- D Connection for hose shower (recommended)
- E High-pressure water hose
- F Adapter piece



The outer shut-off valve must be shut at the end of work!
For safety reasons we recommend a floor drain close to the machine.

3.1.2 Electrical connection

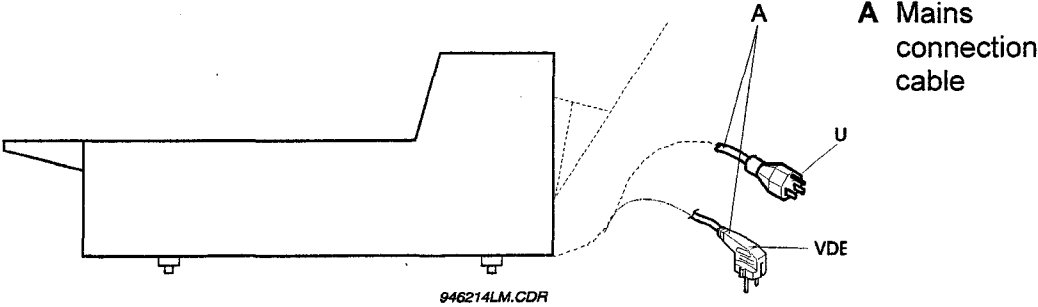


The machine must not be operated without a protective earth connection!

Nominal voltage and frequency	Type 106: 1N~ 200/208/230 - 240V; 50 / 60 Hz Type 206 1N~ 200/208/230 - 240V; 50 / 60 Hz Type 846 1N~ 100/120 V; 60 Hz Type 105 1N~ 230-240 V; 50 Hz Type 155 1N~ 200-240 V; 50 Hz Type 165 1N~ 100-120 V; 60 Hz Type 205 1N~ 230-240 V; 50 Hz Type 285 1N~ 230-240 V; 60 Hz Type 845 1N~ 120 V; 60 Hz
Fusing	16 A Europe / 15 A USA / Japan
Leakage current	< 3.5 mA towards protective earth
PE	< 0.1 Ω towards ground
Installation regulations	VDE electrical installations in the installation room must be in compliance with the regulations IEC 364 (VDE 0100). UL electrical installations in the installation room must be in compliance with the regulations "National Electrical Code" (NEC) (NFPA 70).
Connection standard	UL, NEMA 6-15P plug, 120 V / 60 Hz: 2.5 m long VDE plug, 230V / 50Hz: 2.5 m long
Main switch	Upon machine installation it must be ensured that either the mains connector or an all-pole circuit breaker for the installation on site is located close to the machine and easily accessible. For emergencies it must be guaranteed, that the machine can quickly and easily be disconnected from the mains, in the darkroom as well as in the daylight room!

Installation of a GFI switch ($I_N = 30\text{ mA}$) in compliance with VDE 664 in a suitable location within the circuit is recommended.

Connection to the outlet



3.1.3 Replenisher supply

Replenishment of the correct rates via replenisher bottles starts automatically as soon as a film is fed. In case of higher consumption of developer and fixer it is also possible to use an external replenishment system.

3.1.4 External replenishment

For information on the use of this "External Replenishment" option refer to section 1 (see "Accessories") as well as the additional documentation "External Replenishment" option, Type 9462/570 or 9462/580 (order no. DD+DIS058.96E).

File this documentation then in section 9 of this manual. The disposal tanks must be ordered separately. Also refer to chapter 2.5 Scope of delivery and accessories.

3.1.5 Disposal of chemistry

The disposal of chemicals and wash water must be in compliance with the regulations of sewage by the local authorities!

If it is allowed to drain the exhausted solutions into the sewer then the drain pipe must be a polyethylene pipe up to the main pipe (vertical drain pipe).

The installation of the disposal lines to the disposal tanks must be carried out professionally by authorized technicians.

In Germany this must be in compliance with §19 WHG and DIN 1988.

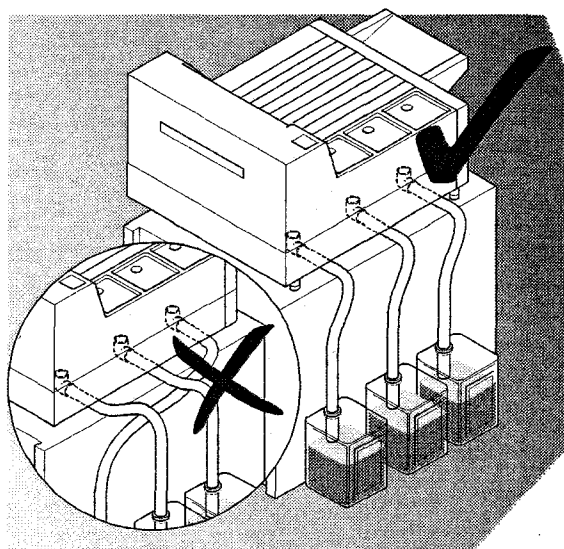
In other countries the corresponding national regulations must be considered.

Developer or fixer must never get into the wash water, if this is disposed into the public sewage system, not even accidentally e.g. overflow in case of clogged pipes. Hoses or protection facilities must be installed accordingly.

In Germany this must be in compliance with the "General conditions and administrative regulations for minimum requirements on the disposal of waste water into public waters, dated 31.01.1994", Appendix 53 – Photographic Processes (silver halide photography). In other countries the corresponding national regulations must be considered.

We recommend to ensure sufficient inclination (approx. 1 cm drop per meter of hose connection) up to the disposal tanks.

Position the hoses between machine and table always side by side, do not cross them and do not put them on top of each other. Avoid squeezing of the hoses.



946203mm.cdr

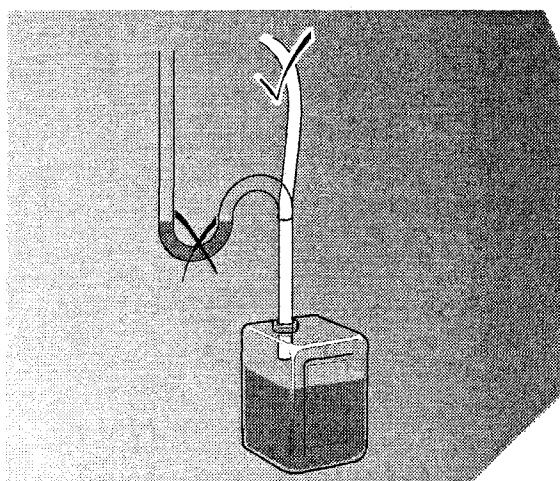
Figure 14 - 6

Collect the exhausted chemicals in separate containers.

Position the hoses always with a continuous inclination and without sharp bends.

To prevent that the hose slips out of the disposal container:

Make sure that the hose is pushed down far into the opening of the container. However, the hose end must not be immersed in the liquid.



946212ca.cdr

Figure 14 - 7

3.2 Machine data

3.2.1 Type overview

Machine	Type	ABC Code
CX 60	9462/106	EFMVM
CP 1000	9462/206	EFHWK
CP 1000	9462/846	EFHXM

All the commercially available medical X-ray films which are suitable for machine processing. Roll material cannot be processed. Furthermore the machine cannot process mammography films.

Sheet film	smallest size	10 cm x 10 cm (approx. 4 x 4 inches)
	biggest size	120 cm 35 cm (approx. 47 inches 14 inches)
	max. film width	35 cm (approx. 14 inches).

3.2.2 Functional data

Film processor	Curix 60	CP 1000
Processing speed (cm / minute)	28	28
Immersion time DEV (seconds)	26	26
Transport time through the processor	180 s	137 s
Films / h (24 x 30 cm)	60	60
Machine tank capacities (liters)		
Developer	0.9	0.9
Fixer	0.9	0.9
Water	0.9	0.9
Developer tank temperature in °C (adjustable between 29 °C - 36 °C)	34	34
Heating time (minutes) from 20 °C to 34 °C	7	7
Dryer setting	6	6
Replenishment rates standard setting (ml / m ²)		
Developer	600	600
Fixer	750	750
Water supply (ml/m ²)	900	900
Water pressure (bar) min. / max. *	1 / 6	1 / 6
Water pH value (pH)	6.5 up to 8	6.5 up to 8
Conductivity of water (µS / cm)	min. 3	min. 3
Water temperature min./max. under developer temp.	10/4	10/4

* only relevant for fixed water connection

3.2.3 Electrical data

	106	206	846
Mains connection			
Phase	1 N~	1 N~	1 N~
Voltage (in V)	200/208/230-240	200/208/ 230-240	100/120
Frequency (in Hz)	50/60	50/60	60
Power consumption:			
Standby room temp. ~ 20 °C (in W)	180	180	180
During film processing	500	500	500
Fuse protection (in A)	16	16	15
Leakage current towards PE (in mA)	< 3.5	< 3.5	< 3.5
Safety conditions	Electrical installations in the installation room must be in compliance with IEC 364 (VDE 0100 / 0107).		

	105	155	165	205	285	845
Mains connection						
Phase	1 N~	1 N~	1 N~	1 N~	1 N~	1 N~
Voltage (in V)	230-240	200-240	100-120	230-240	230-240	120
Frequency (in Hz)	50	50	60	50	60	60
Power consumption:						
Standby room temp. ~ 20 °C (in W)	180	180	180	180	180	180
During film processing	500	500	500	500	500	500
Fuse protection (in A)	15	16	15	16	16	15
Leakage current towards PE (in mA)	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
Safety conditions	Electrical installations in the installation room must be in compliance with IEC 364 (VDE 0100 / 0107).					

Main switch



Upon machine installation it must be ensured that either the mains connector or an all-pole circuit breaker for the installation on site is located close to the machine and easily accessible.

For emergencies it must be guaranteed, that the machine can quickly and easily be disconnected from the mains, in the darkroom as well as in the daylight room!

Installation of a GFI switch ($I_N = 30\text{ mA}$) in compliance with VDE 664 in a suitable location within the circuit is recommended.

3.2.4 Climatic data

Ventilation	Provide for sufficient air circulation in order to keep the concentration of chemical fumes low. An air exchange of 10 times the room volume per hour is required. If you have any questions on this subject please refer to your local AGFA office.
-------------	--

			106/206/846	105/155/165/205/285/845
Heat emission (all values approx.)	Standby	total	180 W (650 kJ/h)	180 W (650 kJ/h)
		into the room	180 W (650 kJ/h)	180 W (650 kJ/h)
	Film cycle (max.)	total	500 W (1800 kJ/h)	500 W (1800 kJ/h)
		into the room	500 W (1800 kJ/h)	500 W (1800 kJ/h)

3.2.5 Dimensions and weights

		106/105/155/165	206/846/205/285/845
L x W x H in mm (inch)	including packing material	1100x770x640 (43.3x30.3x25.2)	1100x770x640 (43.3x30.3x25.2)
	without packing material	940x650x400 (37x25.6x15.8)	1090x650x400 (43x25.6x15.8)
Weight approx. kg (lbs.)	including packing material	94.5 (208.3)	88.5 (195.1)
	without packing material	62 (136.7)	56 (123.5)
	with full tanks and replenisher bottles	72 (158.7)	74 (163.1)

3.3 Safety

3.3.1 For the types 106/206/846

According to IEC 601-1 / VDE 0750 Part 1, this film processor is not considered a "Medical Electrical Device".

Europe

EN 60950 / A11 "Safety of Information Technology Equipment".
(identical with IEC 950 and with VDE 0805)

USA

UL 1950 "Safety for Information Technology Equipment, including Electrical Business Equipment" and complementary UL 122 "Photographic Equipment".

Canada

CSA 22.2 No. 950 - 95 "Safety of Information Technology Equipment, including Electrical Business Equipment".

3.3.2 For the types 105/155/165/205/285/845

According to IEC 601-1 / VDE 0750 Part 1, this film processor is not considered a "Medical Electrical Device".

This processor corresponds to the safety regulations

- EN 60 950 1992 + A + A2: 1993
- IEC 950 / VDE 805
- UL 122

3.4 Interference suppression

3.4.1 For the types 106/206/846

Europe

According to EN 50081-1: "Basic Standard Interference",
(identical with VDE 0839, Part 81-1)

EN 55022 1994, Class B "Interference Suppression of Information Technology Equipment (ITE)" (corresponds to VDE 0878, Part 22).

For equipment in residential areas, business and commercial areas, and in doctors' offices.

North-America (USA, Canada)

US-Standard FCC 47 Part 15, Subchapter B, Class A / Edition 8.

Non-household equipment.

3.4.2 For the types 105/155/165/205/285/845

According EN 55022, Class B: and FCC Part 15, Class A.

3.5 Electromagnetic compatibility (106/206/846 only)

EMVG und EG - Regulations 89 / 336 / EEC EN 50082-1

EN 61000-3-2 "Limit Values for Harmonic Currents"

EN 61000-3-3 "Limit Values for Voltage Fluctuations and Flicker"

Section 15

comprises of two parts:

- **Glossary:**
Explanation of special terms and abbreviations
- **Key Word Index:**
Alphabetic listing of machine specific terms with reference to the section where this term is explained in detail.

CURIX 60 - CP1000

Type 9462/106/206/846

Work instruction for order no.

SN

CURIX 60
CP1000

Film processor : Every 12 months for regular weekly use
Every 7500 cycles – corresponding to approx. 500 m² of film

Maintenance is to be carried out according to the maintenance instructions DD+DIS017.01D.

TANKS, ROLLER PAIRS, PUMPS, AND DRIP PAN

Cleaning		OK	n.OK
Tank heaters	Rinse with lukewarm water		
Tanks, roller holders and guide plates	Rinse with lukewarm water		
Swivel arms	Rinse the hose with lukewarm water		
Roller pairs	Clean with a damp soft cloth		
Pumps	Rinse with lukewarm water and remove algae		
Drip pan	Clean with a damp soft cloth		
Drain opening of the drip pan	Remove all remnants		

Checking the wear parts		OK	N.OK
Tanks	Formation of cracks		
Roller holders	Damage Correct position according to numbers Damage/wear of the roller surfaces		
Roller pairs	Correct position according to numbers Damage/wear of the roller surfaces Check bearings, wheels, gears for wear		
Guide plates	Scratches / damage of the surface		
Replenisher pumps	Check for correct combination of tank / pump according to the spare parts list (D red, F blue, W black) Check the adjustment of the supply rate		
Replenisher bottles	Tightness of bottle / bottle valve Formation of crack son the valve and on the bottle		
Drip pan	Formation of cracks		

MAIN DRIVE

Checking wear parts		OK	N.OK
Toothed belt	Check the tooth edges for damage		
Worm drive / worm gears	Grease film on the worm gear		
	Running noise in the area of the worm drive/worm gears		

DRYER, DISTRIBUTOR UNIT/CROSSOVER SECTION, DISTRIBUTOR UNIT/DRYER ROLLERS, IR HEATER AND RADIAL FLOW FAN

Cleaning		OK	N.OK
CURIX 60: rollers of the distributor unit / crossover section CP 1000: rollers of the distributor unit / exit section	Clean with water and a cloth		
Radial flow fan and visible parts	Wipe with a soft cloth		
Reflector plates	Clean with a soft brush		

Checking the wear parts		OK	N.OK
Infrared heaters	Discoloring of the glass body Deposits of dust or lime on the surface of the reflector plates		
CURIX 60: rollers of the distributor unit / crossover section CP 1000: rollers of the distributor unit / exit section	Correct position according to numbers Damage / wear of the roller surface Bearings, springs, gears for wear Scratches on the film guides Smooth operation		
Radial flow fan	Running noises		
Dryer step setting	Changes in the brightness of the IR heaters depending on the dryer setting		

FILM FEED DETECTION

Cleaning		OK	N.OK
Scanner rollers	Rinse with lukewarm water		

Checking the wear parts		OK	N.OK
Scanner rollers	Smooth operation Centered position on the hose Cracks in the hose surface		

CHECKING ELECTRICAL SAFETY

		OK	N.OK
Terminal strip XK1 on GS1 (Type 105/155/165/205/285/845) Terminal strip XK1 on GS3 (Type 106/206/846)	Check for tight connection		
Condition of the electrical cables, plus and internal cable connections	Incorrect cable connections Damage		
Mains fuse	Check for the required value		
Ground connection	Check for tight connection		
Protective earth test	Check contact resistance		

CHECKING MACHINE SAFETY

		OK	N.OK
Hose positioning	Hoses must be positioned without kinks or sagging		
Hose connection	Tightness		

FUNCTIONAL CHECK

		OK	N.OK
Developer temperature	Compare and adapt NOM. and ACT. temperatures		
Fixer temperature 34°C, fixed	Has the NOM.temperature in the fixer tank been reached?		
Dryer step setting	Check clock/brightness		
Film drying	Check if films are sticking		
Transport function in tanks and dryer	Feed film, observe transport		
Film surface scanning	Proceed according to paragraph 5.6 on page 25		
Film quality	Process test wedges		

ACCESSORIES

		OK	N.OK
Integrated accessories	Check the function		
External accessories	Check the function		
Supply rate ball cock	Check		

Date / Signature
Service engineer

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: a control group and an experimental group. The control group received a standard training program, while the experimental group received a training program with a focus on the specific skills required for the task. The results of the training program were compared between the two groups.

Please file this order list in your Service Documentation in front of Section 1.

The complete Service Documentation may be ordered by specifying the respective order number or the machine name via:

Telephone: xx49 - (0)89 - 6207 - 3553

Fax.: xx49 - (0)89 - 6207 - 7271

Edition	Revision	Order Number	Contents
2	0	DD+DIS015.01E	Complete Service Documentation in a folder, replaces documentation DD+DIS013.97E.  This documentation includes all the previously published documentation

List of all Supplements:

Upon requirement all supplements can be ordered again individually by the respective order numbers.

When you order a supplement, the enclosed order list may already be outdated by another supplement. In this case keep the one with the higher revision number in your Service Documentation.

Edition	Revision	Order Number	Contents
--	--	--	--

The following sections of the documentation may be ordered separately:

Edition	Revision	Order Number	Contents
2	0	DD+DIS016.01E	Section 1, 2, 3 and 14 Installation and Start-up, Edition 2, replaces documentation DD+DIS059.97E.
2	0	DD+DIS017.01E	Section 12 Maintenance Instructions; Edition 2, replaces documentation DD+DIS015.97E.
2	0	DD+DIS018.01E	Section 14 Installation Planning and Specifications, Edition 2, replaces documentation DD+DIS014.97E.
2	0	DD+DIS327.00M	Section 8 Spare Parts List, Edition 2, replaces documentation DD+DIS016.97E.
2	0	DD+DIS031.01E	Section 9 Accessories, Edition 2, replaces documentation DD+DIS187.99E.

CURIX 60 / CP 1000**Type****9462/106/206/846/105/155/165/205/285/845**

Please file this order list in your Service Documentation in front of Section 1.

The complete Service Documentation may be ordered by specifying the respective order number or the machine name via:

Telephone: xx49 - (0)89 - 6207 - 3553

Fax.: xx49 - (0)89 - 6207 - 7271

Edition	Revision	Order Number	Contents
2	0	DD+DIS015.01E	Complete Service Documentation in a folder, replaces documentation DD+DIS013.97E.  This documentation includes all the previously published documentation

List of all Supplements:

Upon requirement all supplements can be ordered again individually by the respective order numbers. When you order a supplement, the enclosed order list may already be outdated by another supplement. In this case keep the one with the higher revision number in your Service Documentation.

Edition	Revision	Order Number	Contents
--	--	--	--

The following sections of the documentation may be ordered separately:

Edition	Revision	Order Number	Contents
2	0	DD+DIS016.01E	Section 1, 2, 3 and 14 Installation and Start-up, Edition 2, replaces documentation DD+DIS059.97E.
2	0	DD+DIS017.01E	Section 12 Maintenance Instructions, Edition 2, replaces documentation DD+DIS015.97E.
2	0	DD+DIS018.01E	Section 14 Installation Planning and Specifications, Edition 2, replaces documentation DD+DIS014.97E.
2	0	DD+DIS327.00M	Section 8 Spare Parts List, Edition 2, replaces documentation DD+DIS016.97E.
2	0	DD+DIS031.01E	Section 9 Accessories, Edition 2, replaces documentation DD+DIS187.99E.