

**1120/1120 T**

( 110-127 V / 60 Hz )

**1150/1150 T**

( 220-240 V / 50/60 Hz )

***Operating manual***  
***Read and conform***  
***safety instructions***  
***before use***

# Description

*Dear customer*

We would like to congratulate you on your new high pressure cleaner with integrated undercarriage and integrated hose drum and to thank you for the purchase.

To ease your introduction to the use of the cleaner, we have provided the following pages of explanations, tips and hints, which we ask you to read before using for the first time.

The equipment will assist you professionally in all cleaning tasks, e.g.:

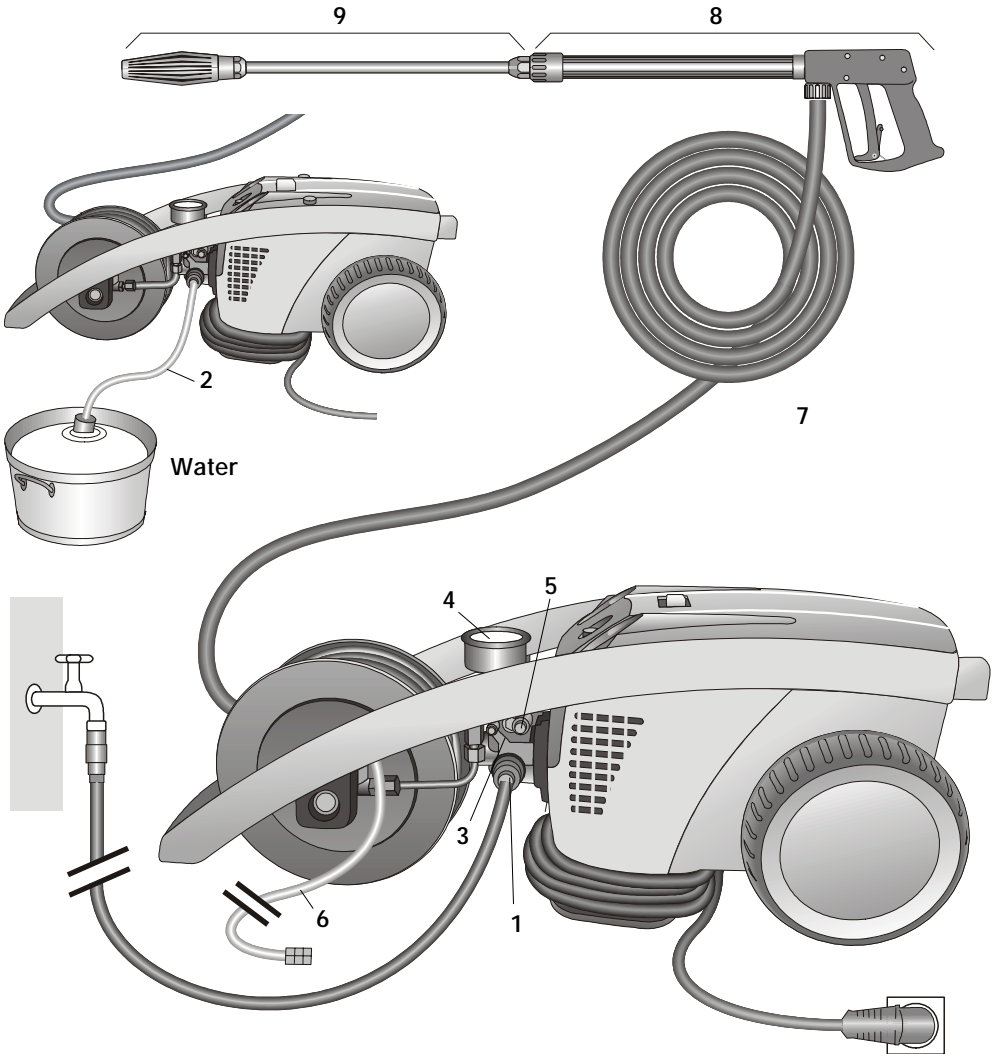
- facades
- vehicles of all types
- removing of old paint
- flagstones
- containers
- terraces
- machines etc.

Technical data	Kränzle K1150 K1150 T	Kränzle K1120-60Hz K1120T-60Hz	Kränzle K1150-60Hz K1150T-60Hz
Operating pressure, steplessly adjustable	10 - 130 bar (1900 PSI)	10 - 95 bar (1400 PSI)	10 - 130 bar (1900 PSI)
Perm. overpressure	150 bar	120 bar (1800PSI)	150 bar (2200 PSI)
Water output *	at 2800 rpm 10 l/min	at 1700 rpm 8, 3 l/min	at 3400 rpm 10 l/min
Hot water input (min. 1-8 bar)	max. 60 °C	max. 60 °C	max. 60 °C
Suction height	1.0 m	2.0 m	1.0 m
High pressure hose with hose drum	10 m	10 m	10 m
Electrical ratings	15m	15m	15m
Connect. wattage input output	220 - 240V ; 50 Hz ; 12,5 A	110 - 127 V ; 60 Hz ; 6,7 A	220 - 240 V ; 60 Hz ; 8,7 A
Weight	P1: 2.8 kW P2: 2.0 kW	P1: 1.65 kW P2: 1.35 kW	P1: 2.8 kW P2: 2.0 kW
Dimens. with mounted Handel in mm	22 kg (K 1150 ) 26 kg (K 1150 T)	22 kg ( K1120 ) 26 kg ( K1120 T )	22 kg ( K 1150 ) 26 kg (K1150 T)
Sound level acc.to 45635 with dirtkiller	300 x 330 x 800	300 x 330 x 800	300 x 330 x 800
Recoil at lance	88 dB 90 dB	89 dB 84 dB	93 dB 93 dB
Torque	approx. 27 Nm	approx. 22 Nm	approx. 32 Nm
Order n°:	26 Nm	24,3 Nm	28,8 Nm
	(Assumed lenght of lance: 0.9 m)		
K 1150 / K1120	41.211	41.213	41.211 2
with dirtkiller	41.211 1	41 2131	41.211 3
K 1150 T	41.210 1	41.212 1	41.210 3

\* Minimum quantity of water to be led to the equipment (see page 7)

Permissible tolerance for figures ± 5 % in acc. with VDMA uniform sheet 24411

# Description



## Construction

The KRÄNZLE 1120 / 1120 T + 1150 / 1150 T - high pressure cleaners are mobile machines. The design can be seen from the diagram.

## Item

- |   |  |
|---|--|
| 1 Water inlet connection with filter                              | 6 High pressure injector for cleaning agents |
| 2 Suction hose with filter (special accessory) Order no. 15.038 3 | 7 High pressure hose                         |
| 3 High pressure pump  | 8 Spray gun                                  |
| 4 Press. gauge with glycerin filling                              | 9 Interchangeable lance with reg. nozzle     |
| 5 Unloader valve - safety valve                                   |  |

# Description

## Water and Cleaning System

Water can be connected at mains pressure to the high pressure pump or it can be sucked directly from a storage tank. The water is then forced under pressure by the high pressure pump to the lance. The high pressure jet is formed by the nozzle at the end of the lance.



*Detergent and caring agents can be added through a high pressure injector. Up to max 20m HD hose length.*

*The rules concerning the environment, refuse and ground water protection must be complied with! (Information to be obtained from environmental dept, town works, etc.)*

## Lance with trigger gun

The machine can only be operated when the safety trigger is squeezed. The machine can only be operated when the safety trigger is squeezed. When the lever is squeezed, the spray gun opens. The liquid is then pumped to the nozzle. The spray pressure increases and quickly reaches the selected operating pressure.

When the trigger is released, the trigger gun closes and any further spraying of liquid from the lance is stopped.

The increase in pressure when the trigger gun is closed causes the unloader valve-safety valve to open. The pump remains switched on and continues to pump liquid through the pump at reduced pressure. When the trigger gun is opened, the unloader valve - safety valve closes and the pump resumes pressure spraying from the lance



*The trigger gun is a safety device. Repairs should only be performed by qualified persons. Should replacement parts be required, use only components authorized by the manufacturer.*

## Unloader valve - safety valve

The unloader valve - safety valve protects the machine from a build up of excess pressure, and is designed not to permit an excess pressure to be selected for operation. The limit nut on the handle is sealed with a spray coating.

\*(see page 22:"Stopping leaks from the hose or gun".)

The operating pressure and spray rate can be steplessly adjusted by turning the handle.

*Replacements, repairs, new adjustments and sealing should only be performed by qualified persons.*



## Motor protection switch

The motor is protected from overload by a motor protection switch, which automatically cuts out the motor in the event of overload. However should the switch trip frequently, the cause of the malfunction should be located and rectified (see page 6).



Replacements and inspection work should only be performed by qualified persons when the machine is disconnected from the power supply, i.e. pull out the plug from the electrical socket.

## Setting up

### Location



Neither set up and operate the machine in rooms where there is a risk of fire or explosion nor put it into puddles. Do not use the machine under water.

## CAUTION !



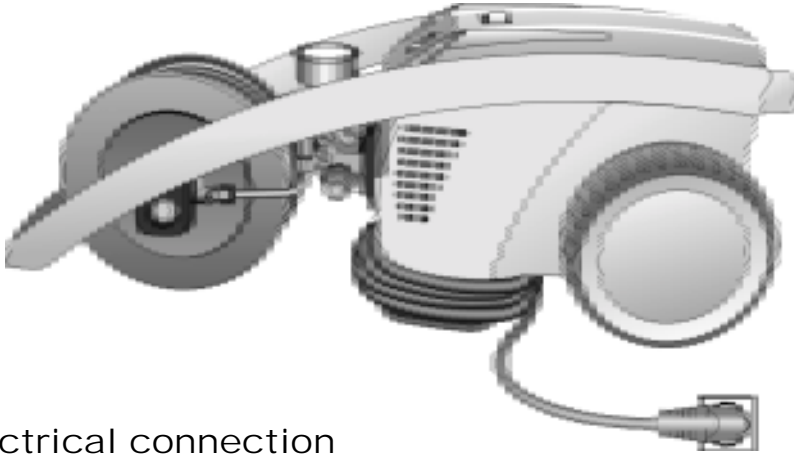
Never use liquid containing solvents such as paint thinners, petrol, oil or similar liquid matter. Pay attention to the instructions of the manufacturers of the cleaning agents. The seals in the machine are not resistant to solvents. The spray of solvents is inflammable, explosive and poisonous.

## CAUTION !



When running your high pressure cleaner with hot water of 60° C raised temperatures occur. Do not touch the machine without safety gloves!

# Description



## Electrical connection

The machine is supplied with an electrical power cord with plug.

The mains plug must be fitted to a standard grounded socket with a 30mA residual current operated device. The socket must be protected with a 16A delay action fuse on the mains side.



**KRÄNZLE 1150 / 1150 T - 220-240 Volt 50 Hz**  
**KRÄNZLE 1120 / 1120 T - 110-117 Volt 60 Hz**  
**KRÄNZLE 1150 / 1150T - 220-240 Volt 60 Hz**

When using an extension cable, this must have an earthed lead which is properly connected to the socket. The conductors in the extension cable must have a minimum cross section of 1.5 mm<sup>2</sup>. Plug connections must be of a spray-proof design, and may not be located on a wet floor.

(with extension cables of more than 10 m - 2.5 mm<sup>2</sup> )

## CAUTION !

The use of extension cables which are too long may lead to malfunctions and start up difficulty.

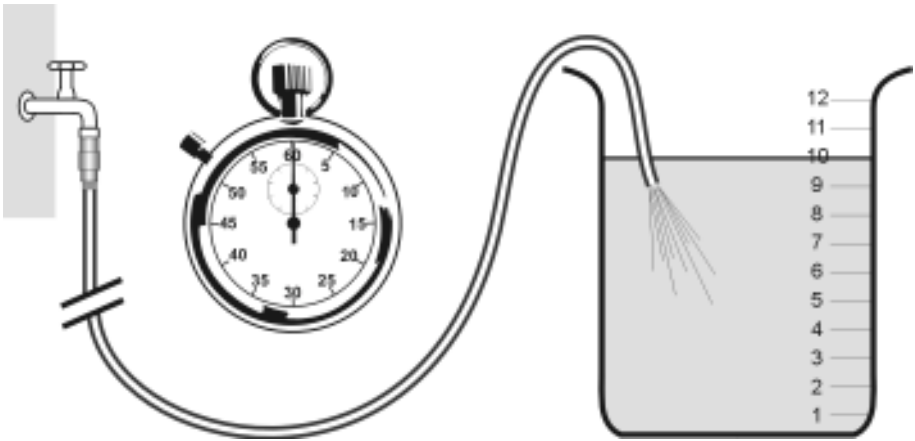
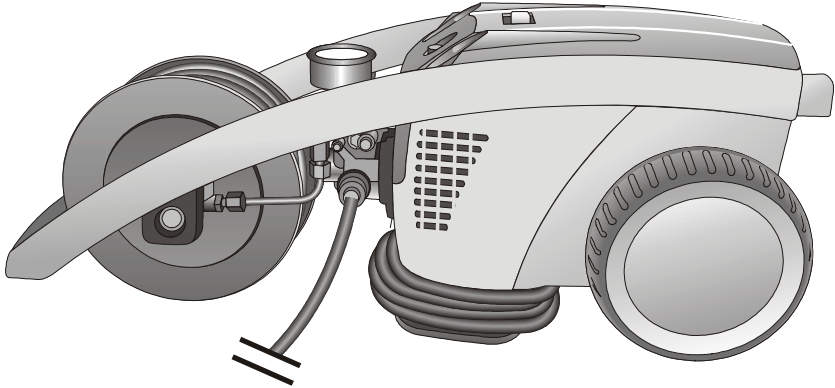
When using a cable drum, always keep the cable wound as far as possible.

# Description



## Water connection:

Please check that the high pressure cleaner has available the quantity of water specified on page 2 (techn. specs.) (Litres per minute) .



## Test:

Allow the water supply hose to run for 1 minute into a bucket.

The received quantity of water must be at least the quantity given on page 2 !!!



*Lack of water causes fast wear on seals (no warranty)*

# Description



## Brief operating instructions

When operating your high pressure cleaner pay attention that it is in a horizontal position.

1. Connect the high pressure hose with spray gun.
2. Connect to suitable water supply.
3. Flush the air from the pump (open and close the spray gun several times)
4. Make the electrical connection
5. Switch on the machine with opened spray gun and commence cleaning.
6. After completing the work, completely empty the pump (switch the motor on for approximately 20 seconds without the suction and spray gun).

- Only use clean water ! Protect from frost !

## CAUTION !

Please pay attention to the regulations of your waterworks company. In accordance with DIN 1988 - 1, the machine may not be directly connected to the public drinking water supply lines.

A brief connection however is permissible according to DVGW (German Association for Gas and Water Affairs) if a tube ventilator with check valve (Kränzle Order-No. 41.016 4) is built into the water supply.

Also indirect connection to the public drinking water supply lines is permissible by way of free emission in accordance with DIN 1988, part 4; e.g. by using a reservoir with a float valve.

Direct connection to a non-drinking water supply line is permissible.

## High pressure hose and spray device

The high pressure hose and spraying device supplied with the machine are made of high grade material, they are also optimized for the machine and marked as required by the appropriate regulations.

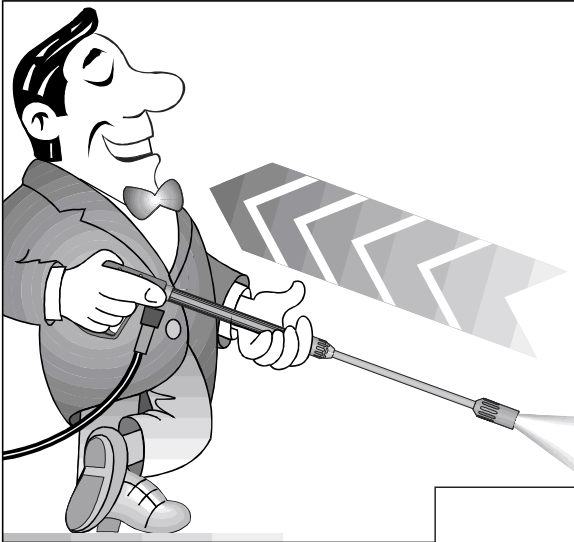
- Hose length max. 20m.



*If replacement parts are required, only such parts that are authorized by the manufacturer and which bear the markings required by the appropriate regulations may be used. The high pressure hose and spray device must be connected in a pressure-tight manner (no leak). The high pressure hose may not be driven over, pulled excessively, or twisted. The hose may under no circumstances be pulled over sharp edges, since otherwise the guarantee is automatically void.*

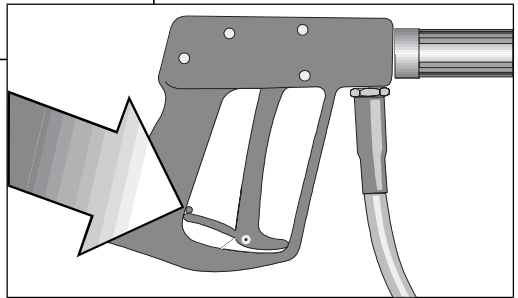


# Safety notes



As to the recoil -  
see notice on page 2!

Apply the safety catch on the  
spray gun after each use, in  
order to prevent unintentional  
spraying!



Always aim the  
underbody lance.  
Note when using an  
angled underbody  
lance, like for exam-  
ple lance No. 41.075  
1, that there is a  
certain amount of  
torque in the recoil.  
(See also notice on  
page 2)

# *This is what you've purchased:*



1. Dirtkiller with nozzle 045 (at 1120 T and 1150 T)

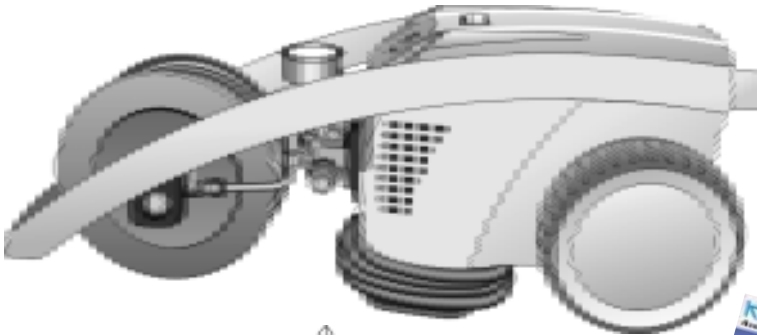


2. Spray lance with Vario - Jet nozzle



3. Spray gun with insulated pistol grip and screw connection

4. KRÄNZLE - High pressure cleaners 1120 T / 1150 T (50/60 HZ) with hose drum and 15 m high pressure hose with steel reinforcement



5. Crosstip screwdriver



Fixing screw for crank



7. Crank for hose drum



6. Operating instructions



9. Washing powder specimen

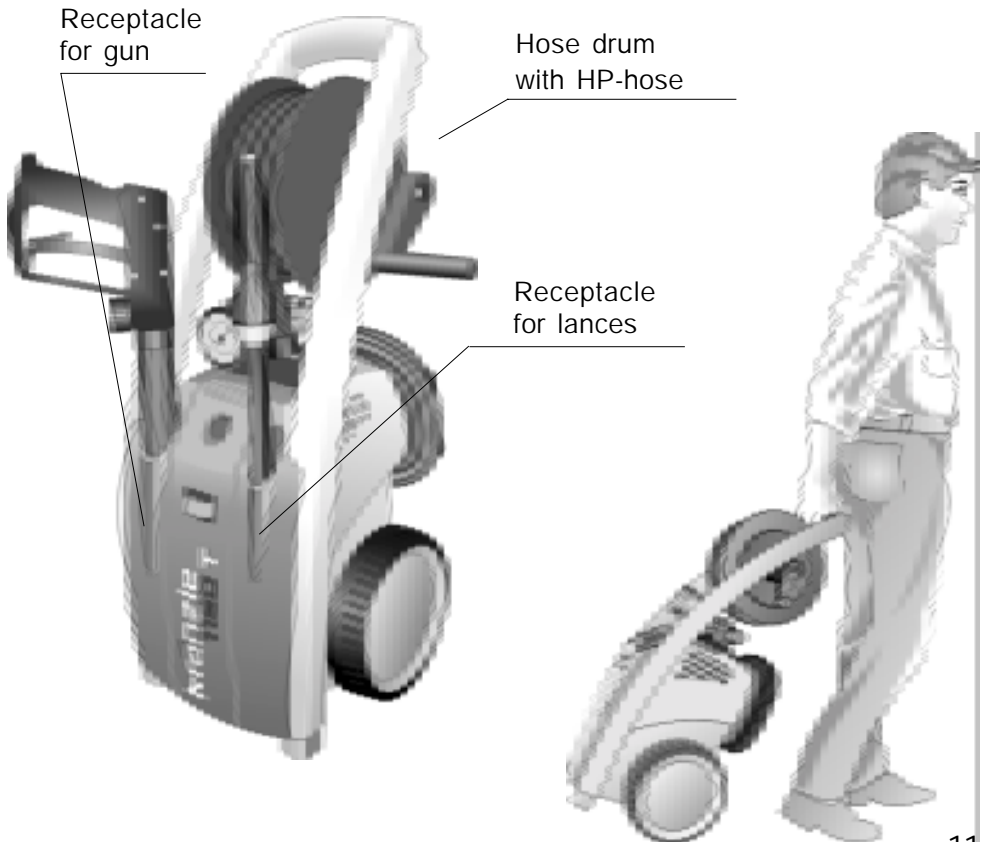


8. Water inlet components



# *How to assemble and furnish your high pressure cleaner*

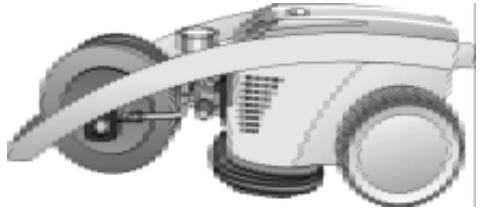
Put high pressure cleaner into upright position. Remove the screw from the brass element. Put the crank on the hexagon and fasten with the screw.



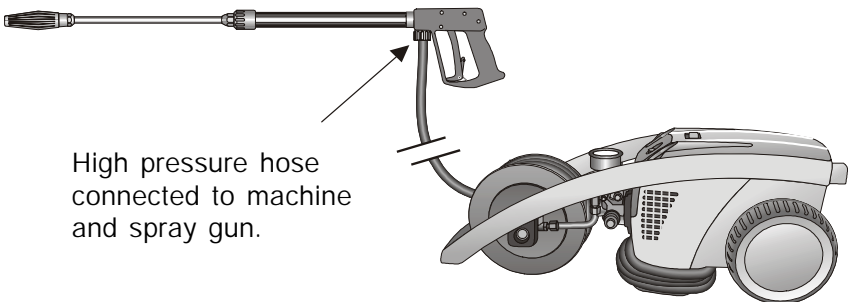
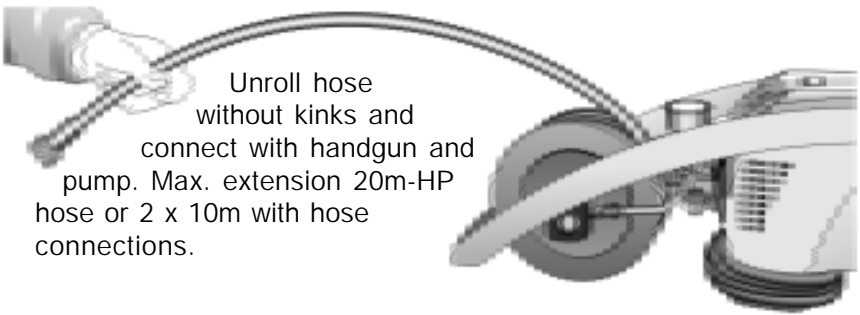
# Preparation for use

1. Put high pressure cleaner into horizontal position!

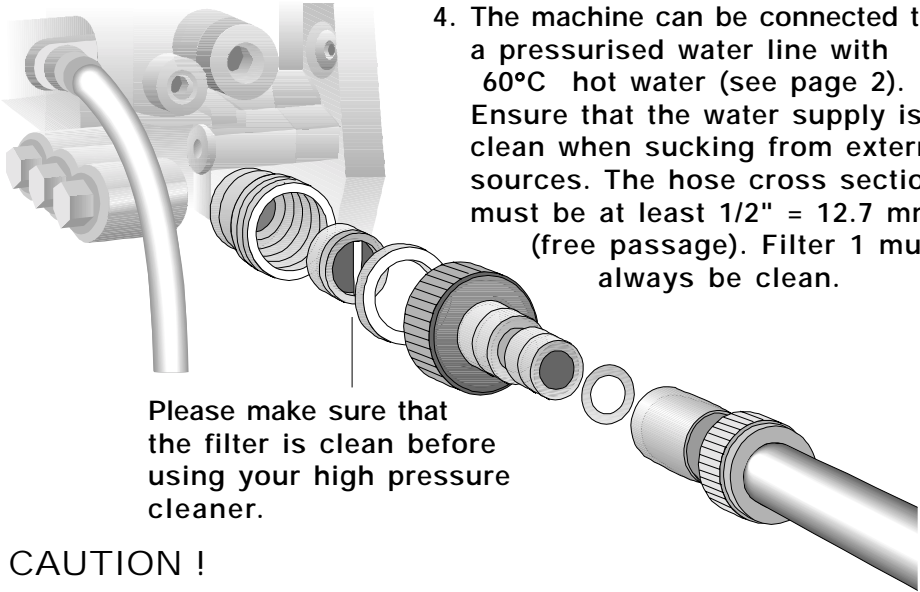
THE HIGH PRESSURE CLEANER IS ONLY TO BE OPERATED IN HORIZONTAL POSITION !



2. Connect the high pressure lance to the spray gun.



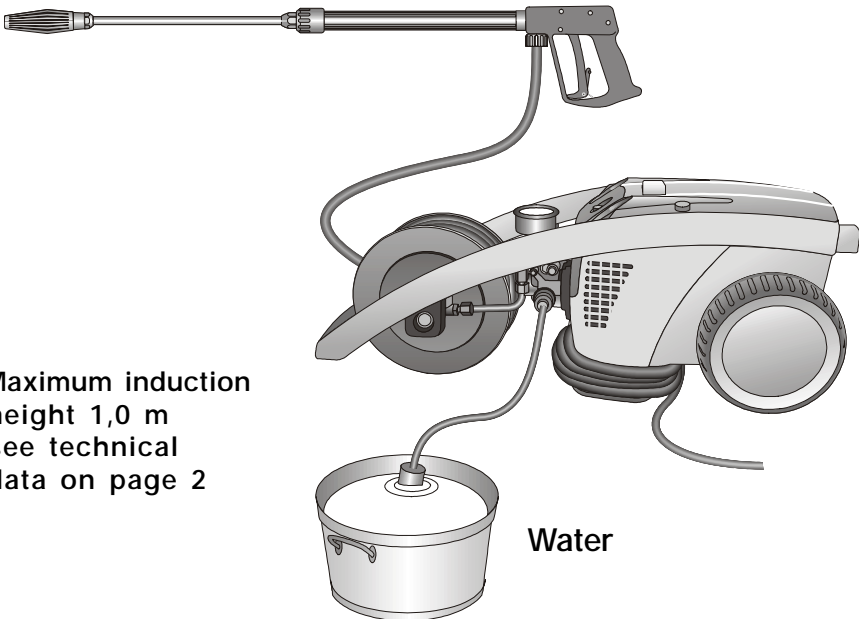
# Preparation for use



4. The machine can be connected to a pressurised water line with 60°C hot water (see page 2). Ensure that the water supply is clean when sucking from external sources. The hose cross section must be at least 1/2" = 12.7 mm (free passage). Filter 1 must always be clean.

Please make sure that the filter is clean before using your high pressure cleaner.

**CAUTION !**



5. Maximum induction height 1,0 m see technical data on page 2

Water

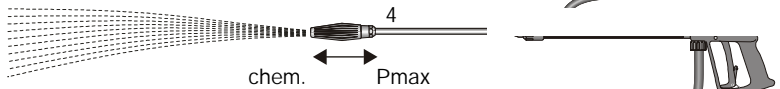
# Preparation for use

## Adjusting the pressure

This is accomplished by turning the handwheel. The default setting is maximum pressure.

## When using cleansing agents:

Unwind HP-hose completely.  
Place chemical filter no. 5 in the reservoir with the cleansing agent.  
Turn on Vario-Jet No. 4 to enable the injector to induct the cleansing agent. By turning back the Vario-Jet nozzle, the supply of chemical is automatically cut off. Allow the cleansing agent to take effect and then remove with high pressure spray.



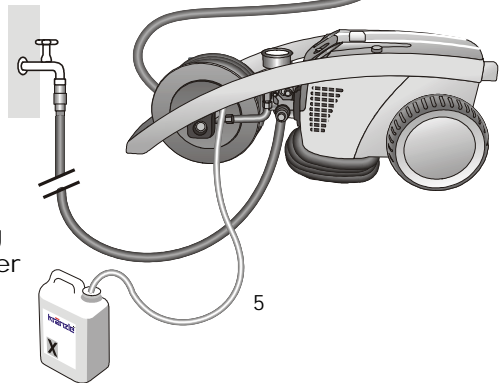
Max high pressure hose length 20m

A mixing ratio of 3-5% is achieved when the Vario-Jet is fully turned on. pH value neutral 7-9.



Note that you must always comply with the instructions provided by the manufacturer of the cleansing agent (e.g. instructions concerning safety clothing) and the water protection regulations!

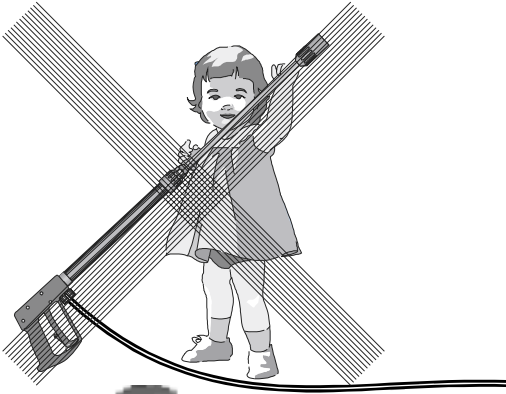
Turn on Vario-Jet to reach low pressure !



## To shut down the pump:

1. Switch off the machine.
2. Cut off the water supply.
3. Open the spray gun briefly until the pressure is released.
4. Apply the safety catch on the spray gun.
5. Remove the water hose and spray gun.
6. Drain the pump: switch on the motor for approx. 20 seconds.
7. Pull the plug from the socket.
8. Winter: store the pump in rooms above 0°C.
9. Clean the water filter.

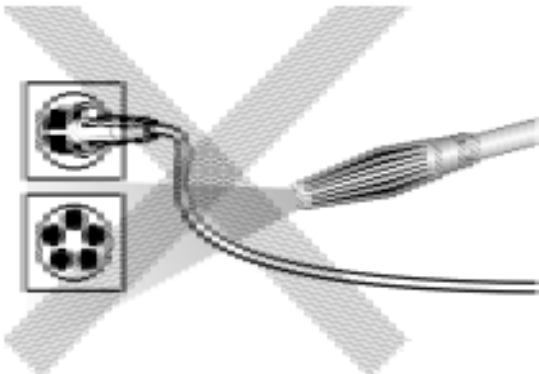
# *This is prohibited !*



Never allow children to use the high pressure cleaner !



Never direct the water jet at the machine itself !

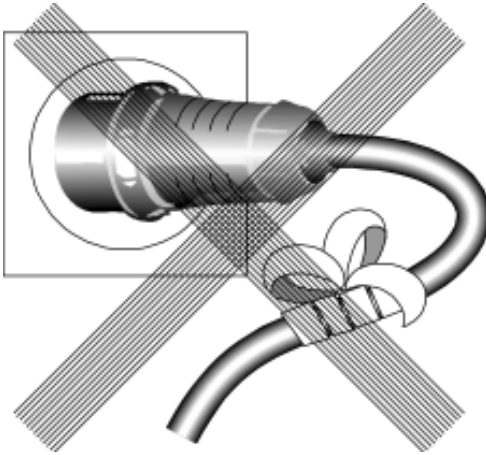


Never direct the water jet at a power socket !

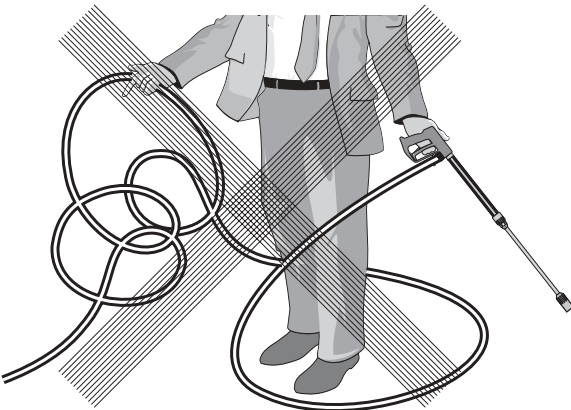
# *This is prohibited !*



Never direct the water jet at people or animals !



Do not damage the power cord or repair it incorrectly !



Never pull the high pressure hose if it has formed kinks or "nooses"!  
Never pull the hose over sharp edges !



# Additional KRÄNZLE-accessories for ...



**Rotary scrubbing brush**

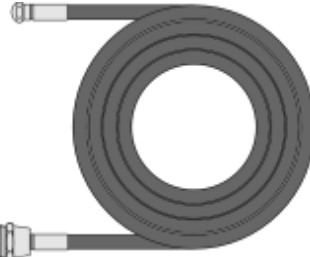
Order No. 41.050 1



**Drain and pipe cleaning hose**

10 m - Order No. 41.058 1

15 m - Order No. 41.058



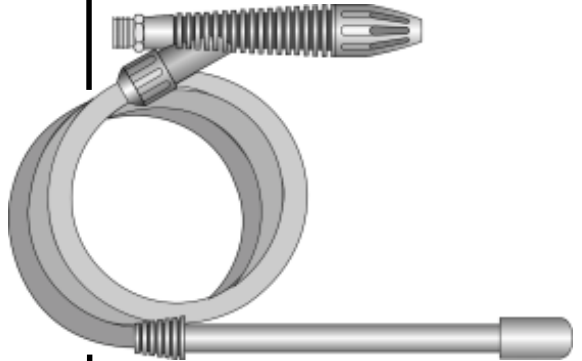
**Underbody lance, new**

Order No. 41.075 1



**Sandblaster**

Order No. 41.068 1



**Flat brush**

Order No. 41.073



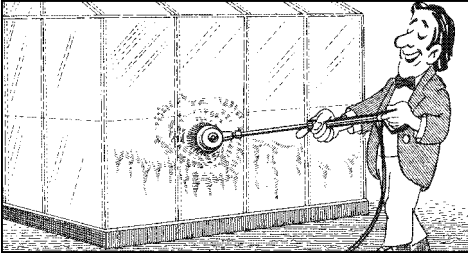
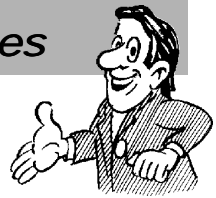
**Dirtkiller**

Order No. 41.072 5

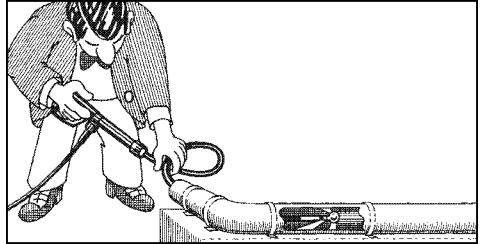


Environmental, refuse disposal and water protection regulations must be observed when using the accessories!

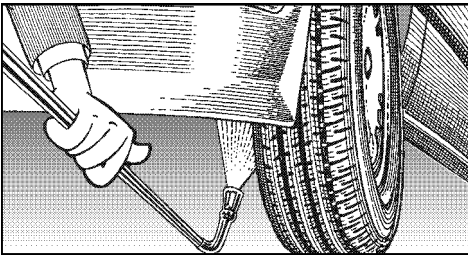
... for further combination possibilities



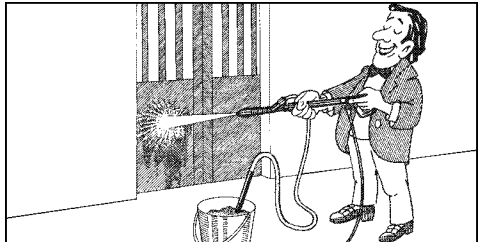
Car cleaning, glass, caravan, boat etc.  
rotary washing brush with 40 cm extension  
and ST 30 nipple M 22 x 1,5



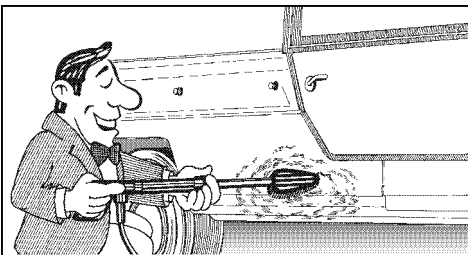
Cleaning pipes, channels and drains:  
pipe cleaning hose with KN nozzle  
and ST 30 nipple M 22 x 1,5



Underbody cleaning of cars, trailers and  
equipment: lance 90 cm with high pressure  
nozzle and ST 30 nipple M 22 x 1,5.  
The lance must be aimed when spraying.



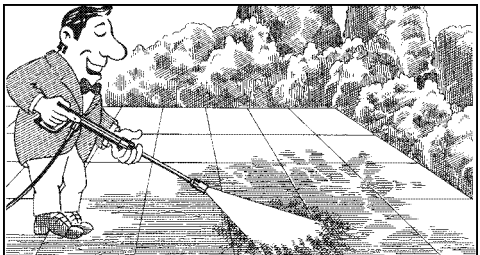
Blasting old paint, rust and facades: sand-  
blasting injector with suction lance, 3 m  
PVC hose and ST 30 nipple.



Cleaning cars and all smooth surfaces :  
brush with ST 30 nipple.



**When sandblasting you  
must wear protection  
clothes! Pay attention to  
the instructions of the  
manufacturer of the  
abrasive!**

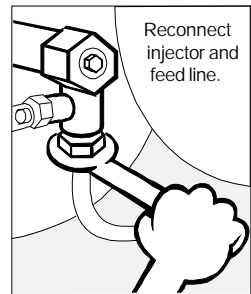
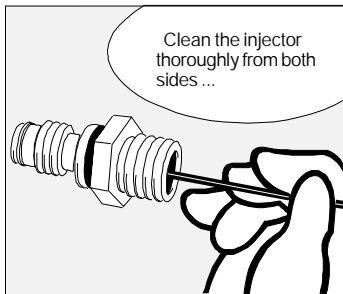
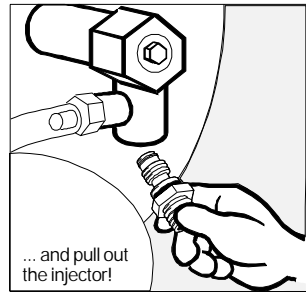
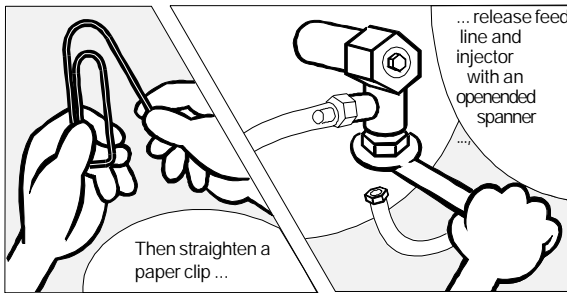
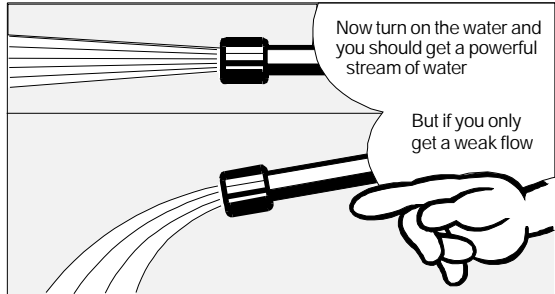


Rotary point sprayer for extreme soiling.  
Dirtkiller with 40 cm extension and ST 30  
nipple.

# Small repairs - Do it yourself!

## You only get a weak flow of water or no water at all!

- The pressure gauge shows a 10% higher pressure than the working pressure.

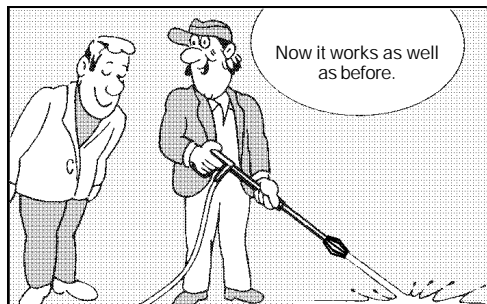
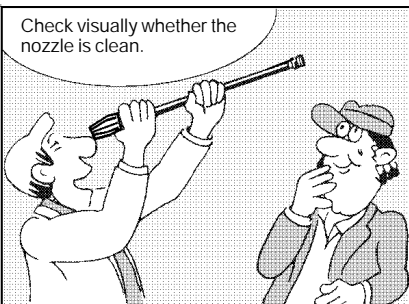
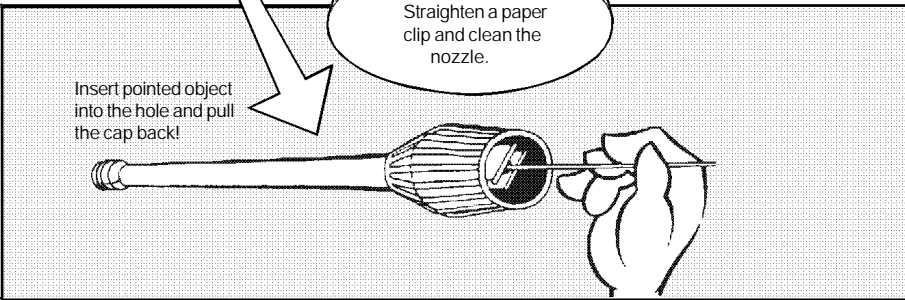
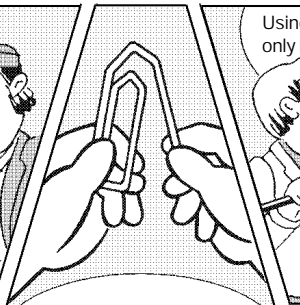
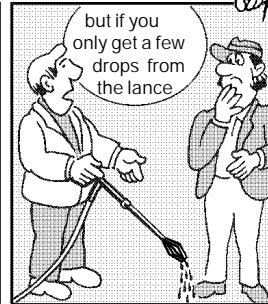
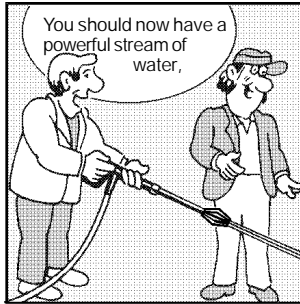
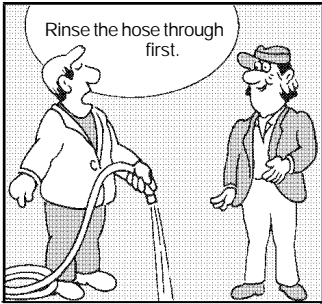


# Small repairs -



## The nozzle is blocked!

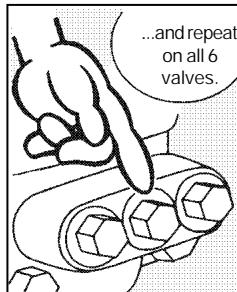
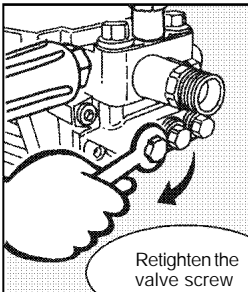
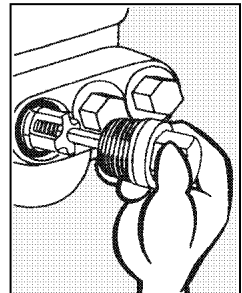
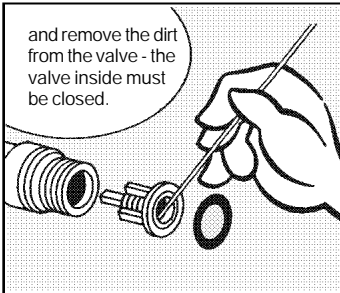
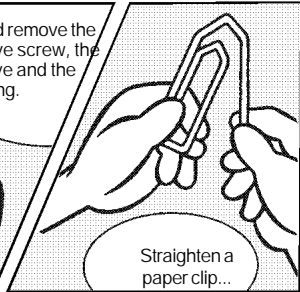
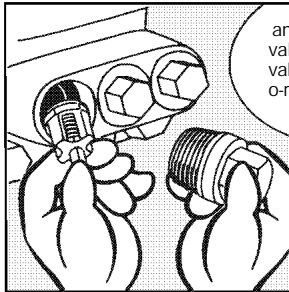
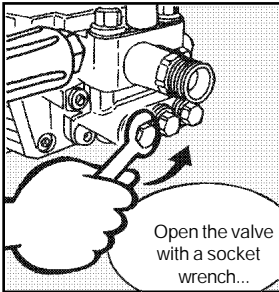
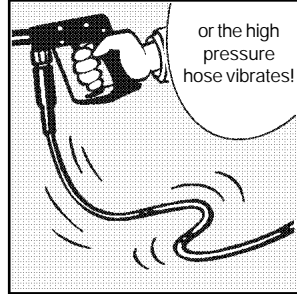
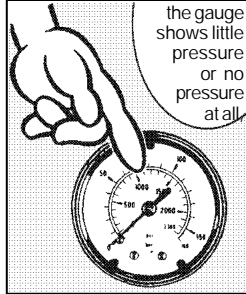
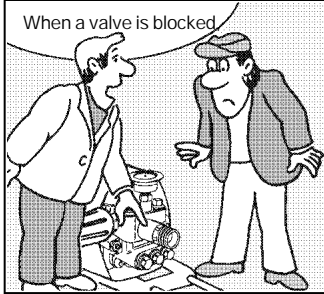
● No water but the gauge shows full pressure !



# - Do it yourself!

## Nozzle dirty or sticky!

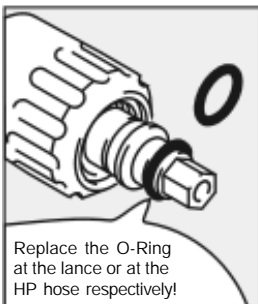
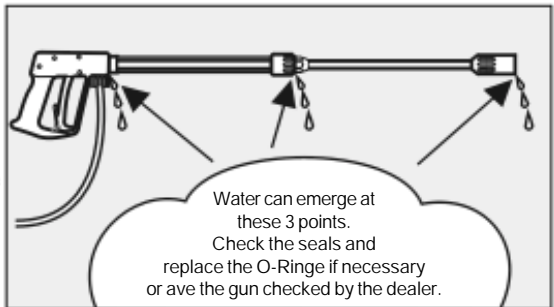
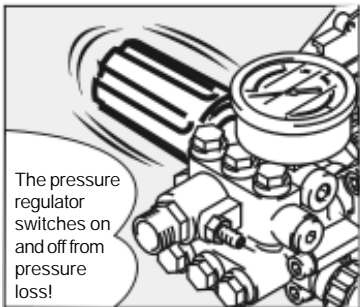
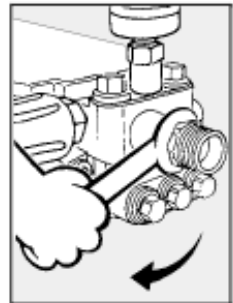
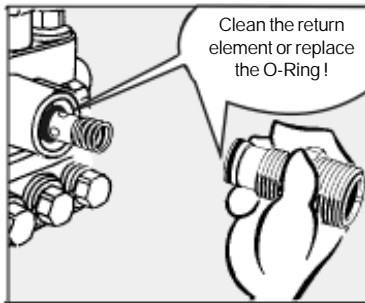
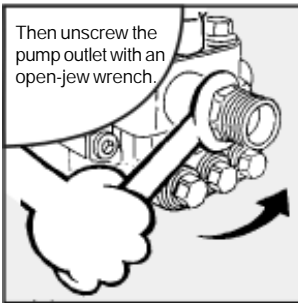
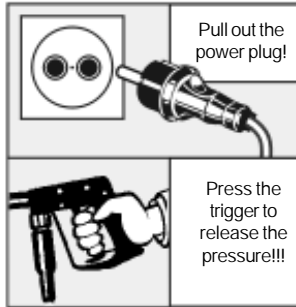
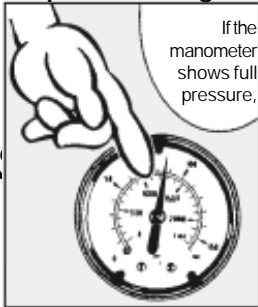
- Pressure gauge does not show full pressure.
  - Water comes out in spurts.
  - If you do not use the high-pressure cleaner for some time the valves can stick
- The high-pressure hose vibrates.



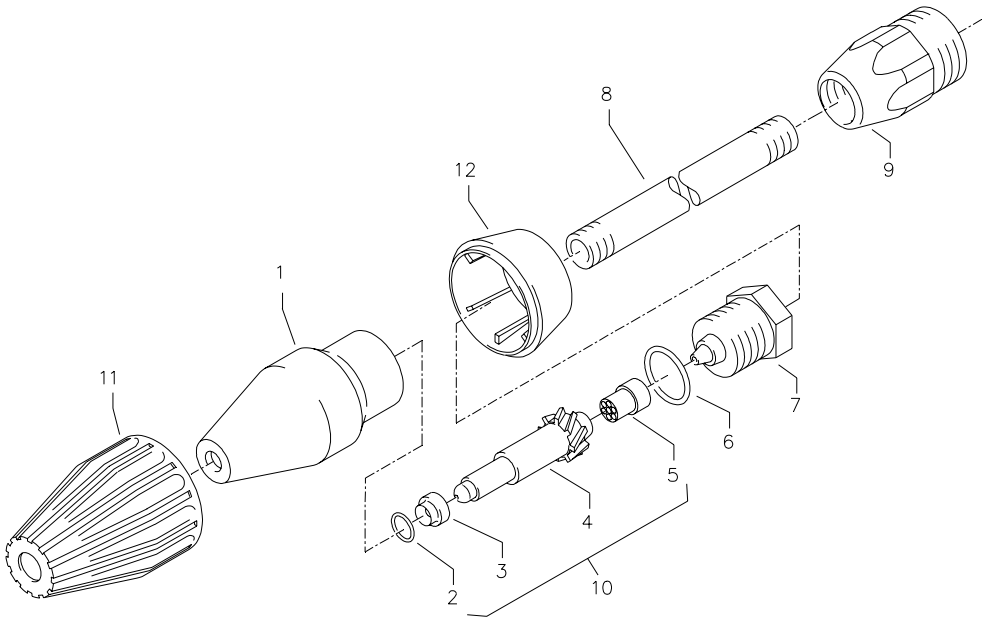
# Small repairs - Do it yourself!

## Stopping leaks from hose or gun

- After closing the gun the manometer shows full pressure !
- The pressure regulator switches on and off continuously!

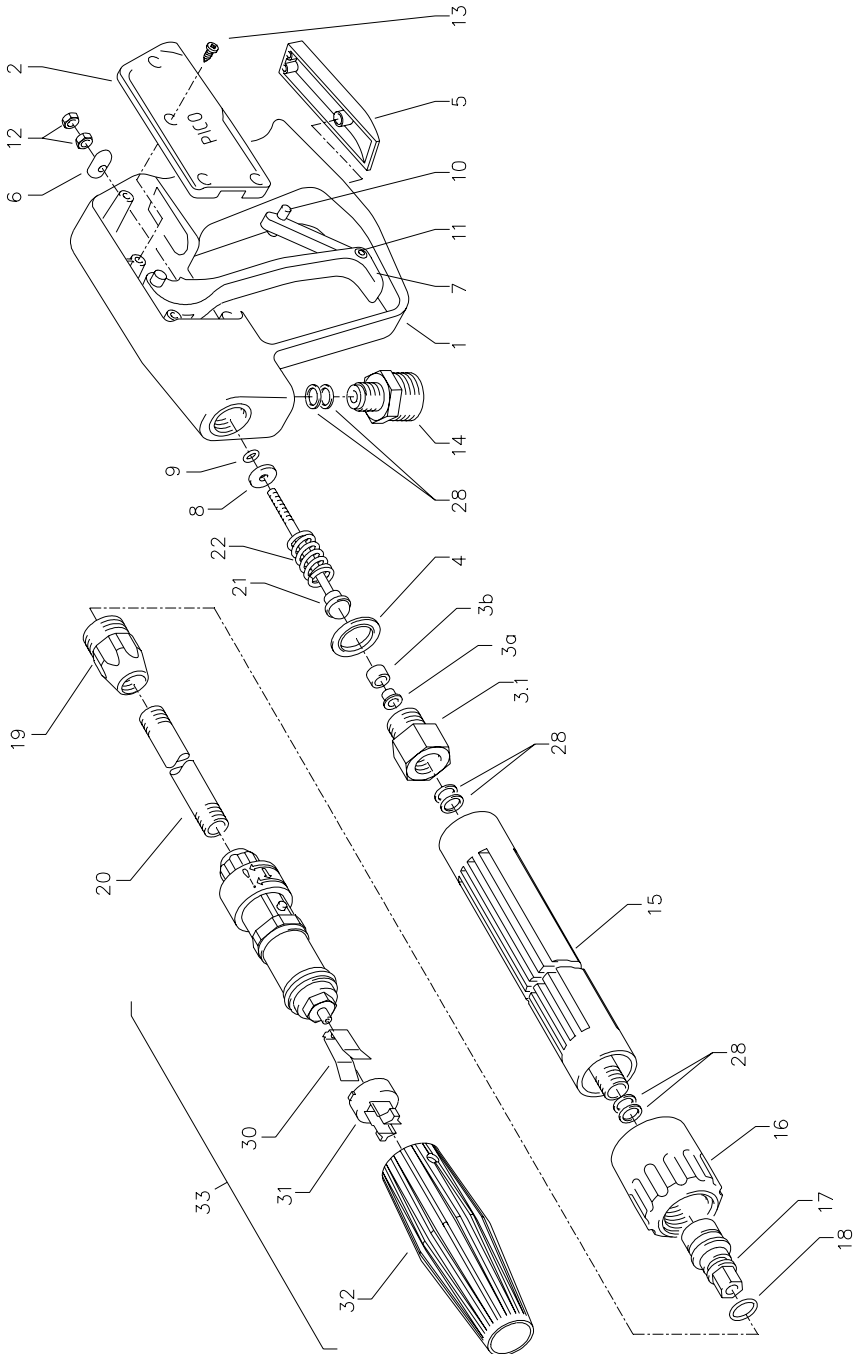


# Dirtkiller (special accessory)



No	Description	Qty.	Ord.-No
1	Sprühkörper	1	41.520
2	O-Ring 6,88 x 1,68	1	41.521
3	Düsensitz	1	41.522
4	Düse 045	1	41.523
5	Stabilisator	1	41.524
6	O-Ring	1	40.016 1
7	Sprühstopfen	1	41.526
8	Rohr 400 mm 2x M 12 x 1	1	41.527
9	ST 30-Nippel M 22 x 1,5 / M 12 x 1 ISK	1	13.363
11	Kappe vorn für Schmutzkiller	1	41.528 1
12	Kappe hinten für Schmutzkiller 045	1	41.540 2
	Rep.-kit Dirtkiller 045		41.097
	consisting of: 1x 2; 3; 4; 5		
	Dirtkiller 045 compl. with lance		41.072 5

# Gun with lance



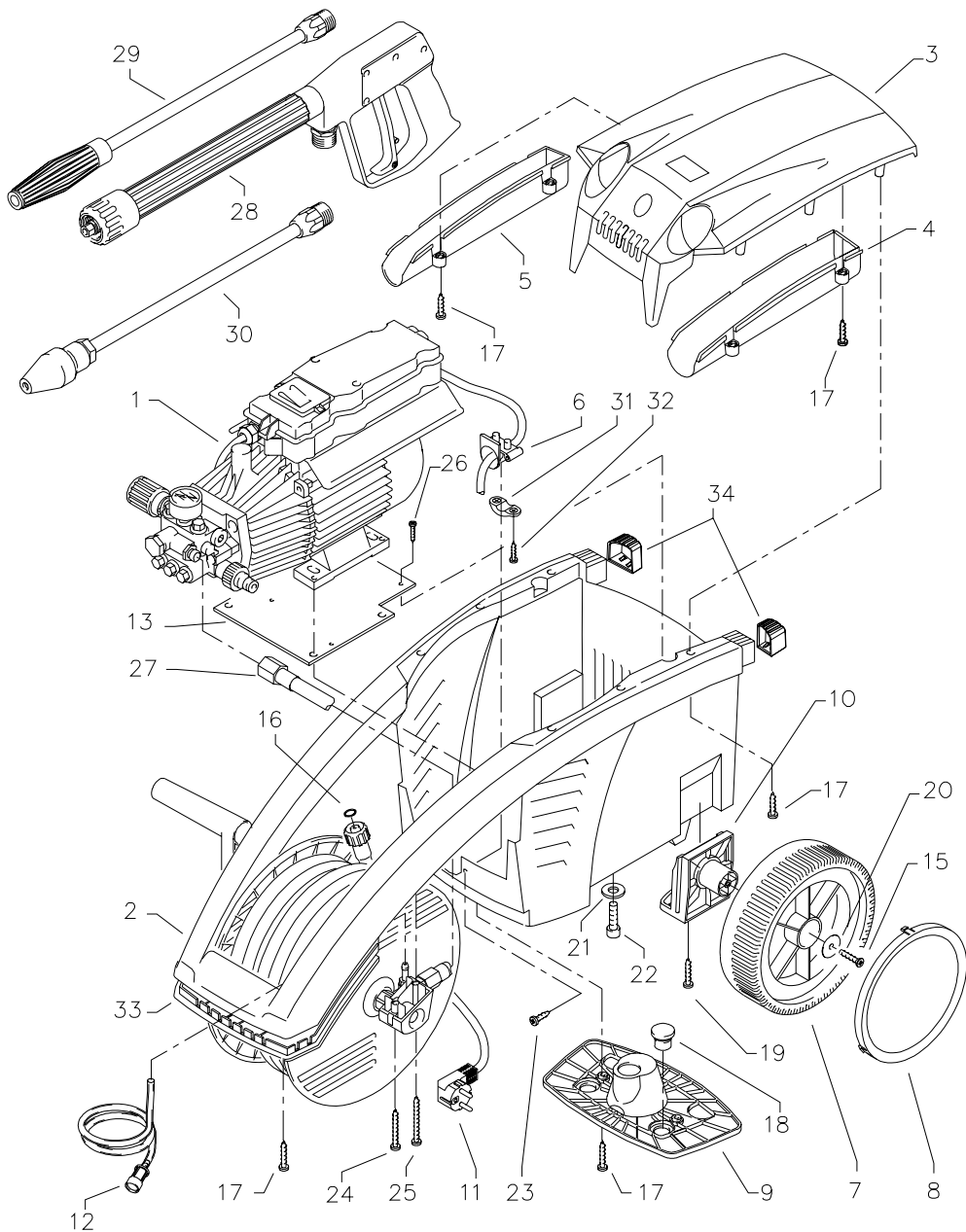


# KRÄNZLE 1120 - 1150 T

## Spare parts list KRÄNZLE 1120/1120 T; 1150/1150 T Gun with lance

No	Description	Qty.	Ord.-No	No	Description	Qty.	Ord.-No
1	Handgriff mit Ventilkörper	1	12.165	19	ST 30-Nippel M 22 x 1,5 AG / M 12 x 1	1	13.363
2	Abdeckung seitlich	1	12.166	20	Rohr 400 lang, bds. M12 x 1	1	15.002
3.1	Rohranschlußteil R 1/4"	1	12.125	21	Kolbenstange mit Kolben	1	12.143
3a+b	Messinghülse mit Teflonsitz	1	12.127	22	Druckfeder	1	12.145
4	Usit-Ring 16,7 x 24 x 1,5	1	12.129	28	Aluminium-Dichtring	4	13.275
5	Abdeckung unten	1	12.167	30	Klemmstück	1	41.155 2
6	Druckplatte	1	12.168	31	Halterung für Klemmstück	1	41.155 4
7	Abzug-Hebel	1	12.169	32	Kunststoffhülle	1	41.155 1
8	Messing-Scheibe	1	12.135	33	Vario-Jet 045	1	41.155 6
9	O-Ring 3,3 x 2,4	1	12.136		Pico-Gun compl.		41.053 1
10	Sicherungshebel	1	12.170		Lance compl. with		41.156
11	Stift 3 x 17	1	12.171		Vario-Jet nozzle		
12	Kontermutter M 4	2	12.138		Rep.-kit "Pico"		12.158
13	Schraube 3,9 x 9,5	4	12.172		consisting of: 1x Position:		
14	ST 30-Nippel M22 x 1,5 / R 1/4" AG	1	13.365		3.1, 3a, 3b, 4, 8, 9, 12, 21, 22		
15	Rohr kunststoffumspritzt bds. R 1/4" AG	1	15.004 2				
16	Überwurfmutter ST 30 M22 x 1,5 IG	1	13.276 1				
17	Außen-Sechskant-Nippel R 1/4" IG	1	13.277 1				
18	O-Ring 9,3 x 2,4	1	13.273				

# Complete assembly

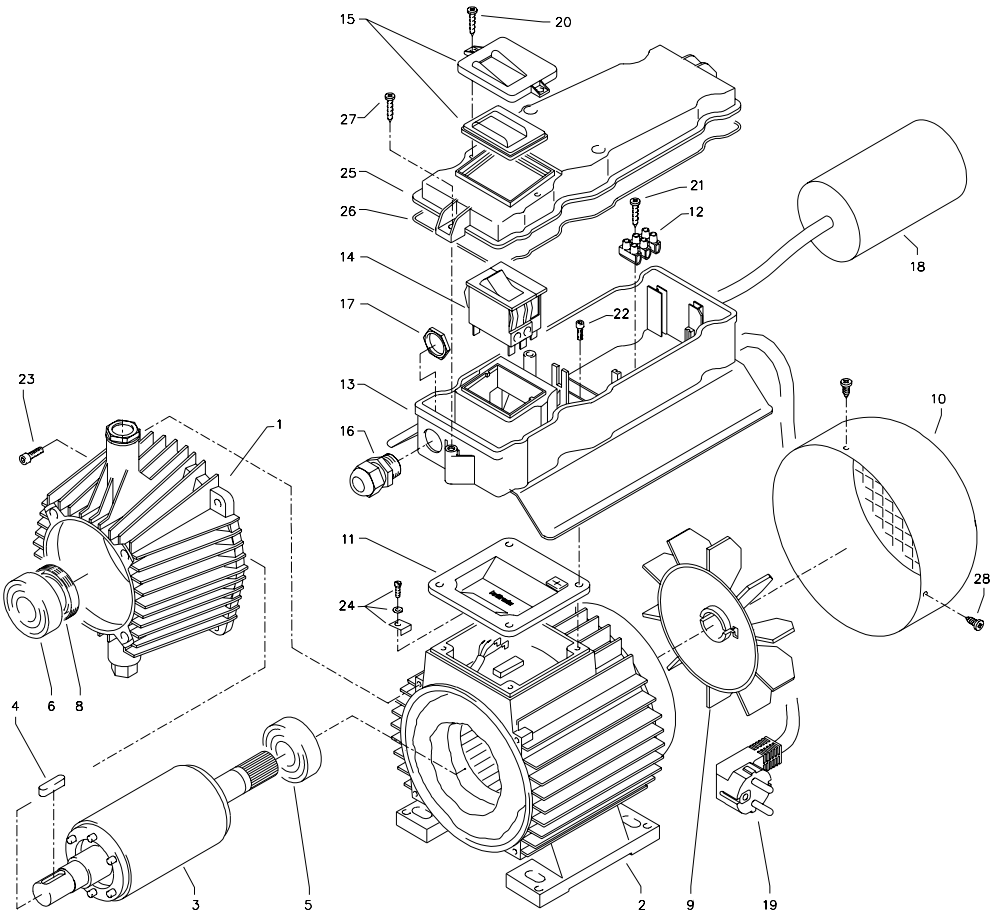


# KRÄNZLE 1120 - 1150 T

## Spare parts list KRÄNZLE 1120 - 1150T Complete assembly

No	Description	Qty.	Ord.-No
2	Fahrgestell	1	44.502
3	Frontplatte " K 1150 "	1	44.503 1
3.1	Frontplatte " K 1150 T "	1	44.503
4	Köcher groß	1	44.506
5	Köcher klein	1	44.507
6	Knickschutz	1	44.509
7	Rad	2	44.538
8	Radkappe	2	45.200 8
9	Kabelhalteplatte	1	44.505
10	Achse	2	44.504
11	Netzanschlußkabel	1	41.092
12	Chemikaliensaugschlauch mit Filter	1	15.038
13	Versteifungsplatte	1	44.511
15	Kunststoffsensschraube 5,0 x 20	2	45.421 1
16	O-Ring 9,3 x 2,4	2	13.273
17	Kunststoffschraube 5,0 x 20	20	43.018
18	Auflagepuffer	2	44.510
19	Kunststoffschraube 5,0 x 30	2	41.412
20	Scheibe 40 x 6 x 1,5 (Stahl)	2	45.216 7
21	Unterlegscheibe 8,4	4	50.186
22	Innensechskantschraube M 8x 30	4	41.036 1
23	Kunststoffschraube 4,0 x 16	2	43.417
24	Kunststoffschraube 5,0 x 50	2	41.411
25	Kunststoffschraube 5,0 x 70	2	44.519
26	Kunststoffschraube 3,5 x 14	2	44.525
27	Anschlußleitung Schlauchtrommel	1	44.520
28	PICO-Pistole	1	41.053 1
29	Vario-Jet 045 kpl. mit Lanze	1	41.156
30	Schmutzkiller	1	41.072 5
31	Kabelklemme	1	43.431
32	Schraube 3.5 x 16	2	44.161
33	Griffabdeckung	1	44.535
34	Gummipuffer links+rechts	1	44.536

# Motor

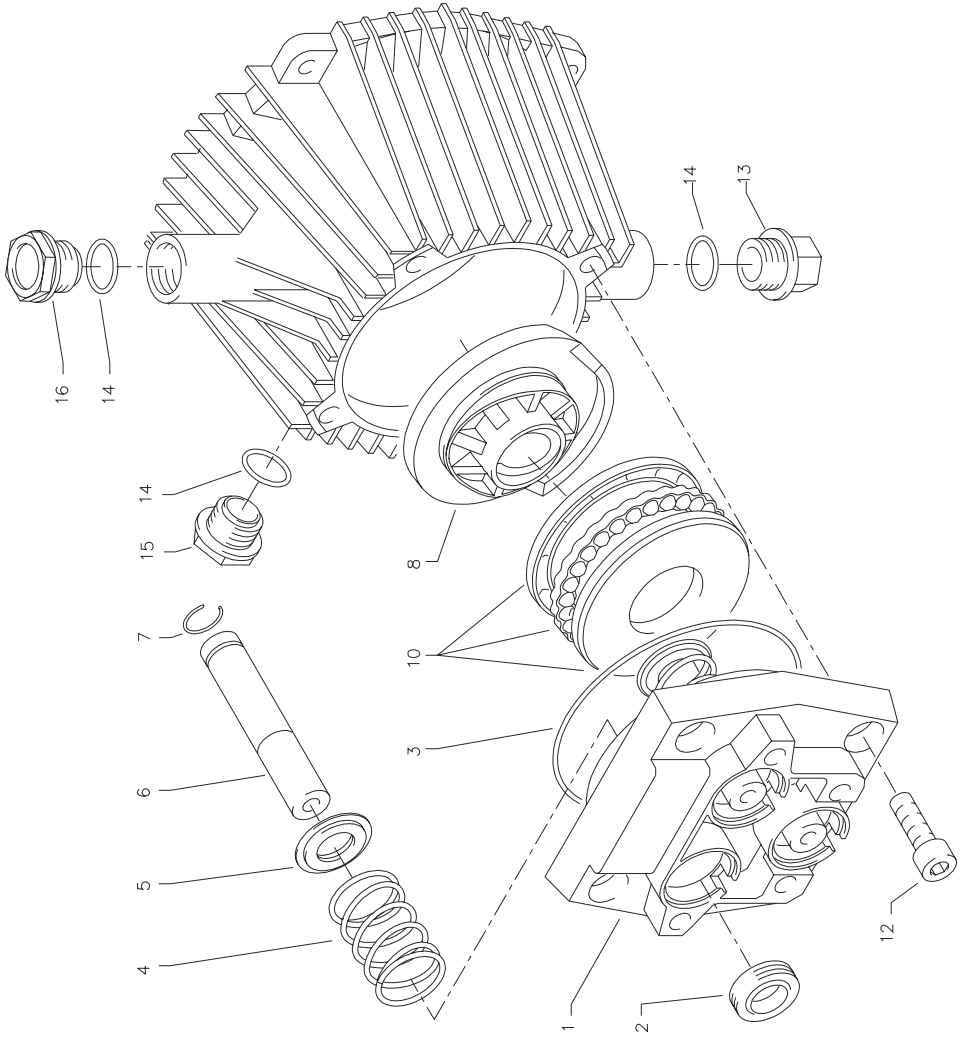


# KRÄNZLE 1120 - 1150 T

## Spare parts list KRÄNZLE 1120 - 1150 T Motor

No	Description	Qty.	Ord.-No
1	Ölgehäuse	1	44.501
2	Motorgehäuse mit Stator 230 V / 50 Hz	1	23.002
2.1	Motorgehäuse mit Stator 110 V / 60 Hz	1	23.002 2
2.2	Motorgehäuse mit Stator 230 V / 60 Hz	1	23.002 3
3	Motorwelle mit Rotor 230 V / 50 Hz	1	43.024
3.1	Motorwelle mit Rotor 110 V / 60 Hz	1	43.104
3.2	Motorwelle mit Rotor 230 V / 60 Hz	1	43.629
4	Paßfeder 6 x 6 x 20	1	41.483 1
5	Motor-Lager B-Seite Z-Lager	1	43.025
6	Motor-Lager A-Seite Schulterl.	1	43.026
8	Öldichtung 25 x 35 x 7	1	41.024
9	Lüfterrad	1	43.028
10	Lüfterhaube	1	41.497
11	Flachdichtung	1	44.513
12	Lüsterklemme 3-pol.	1	43.031 2
13	Schaltkasten	1	44.508
14	Schalter mit 13,5 A-Überstromauslöser	1	41.110 2
15	Klemmrahmen mit Schalterabdichtung	1	43.453
16	Kabelverschraubung PG 11	1	41.419
17	Gegenmutter PG 11	1	44.521
18	Kondensator 40 µF	1	43.035
18.1	Kondensator 80µF für K 1150 / K 1150 T ( 230V ; 50/60Hz ) K 1120 / K 1120 T ( 110V ; 50/60Hz )	1	43.505
19	Netzkabel für 230V / 50/60Hz	1	41.092
19.1	Netzkabel für 110V / 60Hz	1	43.512
20	Blechschaube 3,5 x 9,5	2	41.088
21	Blechschaube 2,9 x 16	1	43.036
22	Innensechskantschr. M 5 x 12	4	40.134
23	Innensechskantschr. M 5 x 30	4	42.130
24	Erdungsschraube kpl.	1	43.038
25	Deckel für Schaltkasten	1	44.512
26	Dichtung für Deckel	1	44.522
27	Kunststoffschraube 5,0 x 25	4	41.414
28	Blechschaube 3,9 x 9,5	3	41.636
	Motor compl. w. oil housing and fan wheel without elect. for 230V / 50 Hz	1	44.530
	Motor compl. w. oil housing and fan wheel without elect. for 110V / 60 Hz	1	44.530 1
	Motor compl. w. oil housing and fan wheel without elect. for 230V / 60 Hz	1	44.530 2

# Transmission

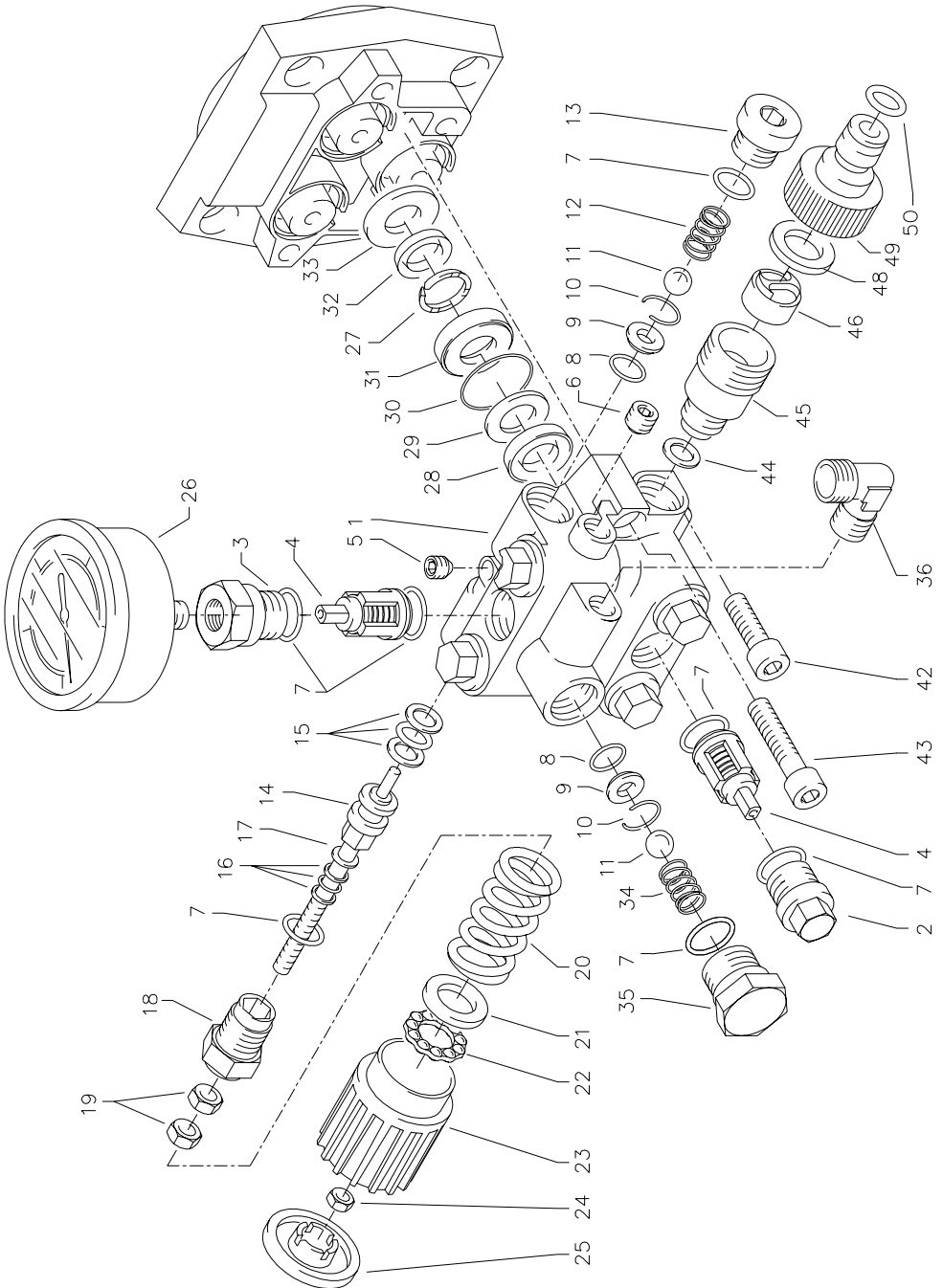


# KRÄNZLE 1120 - 1150 T

## Spare parts list KRÄNZLE 1120 - 1150 T Transmission

No	Description	Qty.	Ord.-No
1	Gehäuseplatte	1	43.003
2	Öldichtung 14 x 24 x 7	3	41.631
3	O-Ring 83 x 2	1	43.039
4	Plungerfeder	3	43.040
5	Federdruckscheibe 14 mm	3	43.041
6	Plunger 14 mm	3	43.005
7	Sprengring 14 mm	3	41.635
8	Taumscheibe 12,0° für K1120	1	41.028-12,0
	Taumscheibe 9,5° für K1150 230V/ 50Hz	1	41.028-9,5
	Taumscheibe 9,25° für K1150 T 230V/ 50Hz	1	41.028-9,25
	Taumscheibe 8,0° für K1150 230V/ 60Hz	1	41.028-8,0
	please specify angle when ordering		
10	Axial-Rillenkugellager 3-teilig	1	43.486
12	Innensechskantschraube M 8 x 25	4	40.053
13	Verschlusschraube M 18 x 1,5	1	41.011
14	O-Ring 12 x 2	2	15.005 1
15	Ölschauglas	1	42.018 1
16	Ölverschlußschraube rot	1	43.437

# Valve housing K 1120 T - K 1150 T



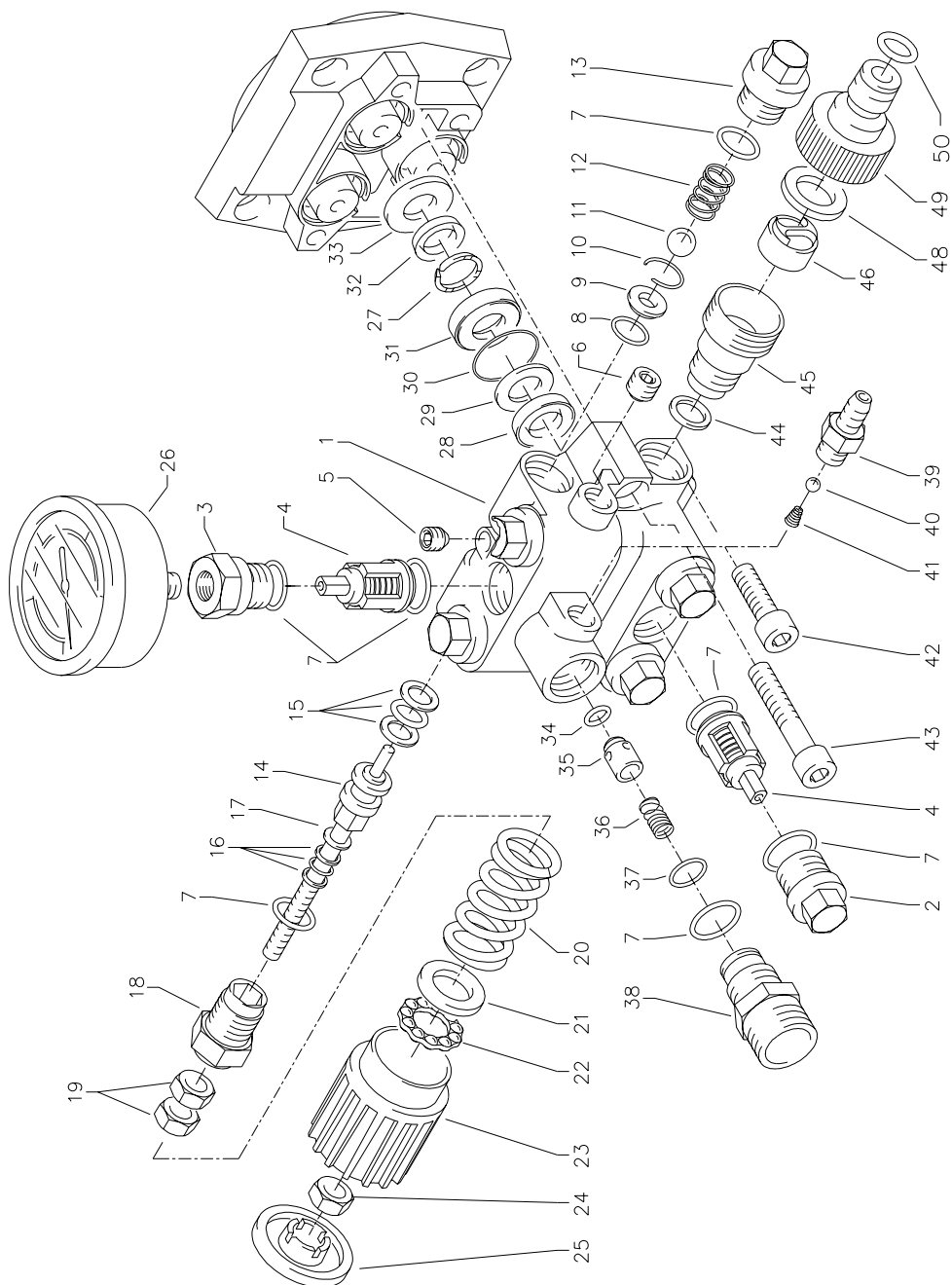


# KRÄNZLE 1120 T - 1150 T

## Spare parts list KRÄNZLE 1120 T - 1150 T Valve housing

No	Description	Qty.	Ord.-No	No	Description	Qty.	Ord.-No
1	Ventilgehäuse	1	44.523	31	Leckagering	3	43.053
2	Ventilstopfen	5	41.011	32	Manschette 14 x 20 x 4/2	3	43.054
3	Ventilstopfen mit R1/4" IG	1	41.011.1	33	Zwischeneinring mit Abstützung	3	43.055
4	Ventile (rot)	6	41.612	34	Rückschlagfeder	1	14.120.1
5	Dichtstopfen M8 x 1	1	13.158	35	Verschlußstopfen für Kugellucks.v.	1	44.524
6	Dichtstopfen M 10 x 1	1	43.043				
7	O-Ring 12 x 2	15	15.005.1	36	Ermetlowinkel R1/4" x8	1	40.179
8	O-Ring 11 x 1,5	2	12.256	42	Innensechskantschr. M8 x 25	2	40.053
9	Edelstahlsitz	2	14.118	43	Innensechskantschr. M8 x 40	2	43.059
10	Sicherungsring	2	13.147	44	Dichtring Kupfer	1	14.149
11	Edelstahlkugel 8,5 mm	2	13.148	45	Sauganschluß	1	41.016
12	Edelstahlfeder	1	14.119	46	Wasserfilter	1	41.046.1
13	Verschlußschraube	1	14.113	48	Gummi Dichtring	1	41.047.1
14	Steuerkolben 6 mm für AZ	1	43.044	49	Steckkupplung	1	41.047.2
15	Parbaks für Kolben 14 mm	1	14.123.1	50	O-Ring	1	41.047.3
16	Parbaks für Spindel 6 mm	1	14.123.2				
17	MS-Scheibe	1	43.045		Rep.-kit valves		41.648
18	Kolbenführung 6 mm	1	14.130.1		6x Pos. 4, 12x Pos. 7		
19	Mutter M 6	2	14.127.1		Rep.-kit sleeves		43.060
20	Feder schwarz für AZ-Pumpe	2	43.046		3x Pos. 28; 3x Pos. 29; 3x Pos. 30, 3x Pos. 32		
21	Federdruckscheibe	1	43.047		Valve housing compl.		44.531
22	Kugellager	1	43.048		Pos. 1-25; Pos. 27-43		
23	Handrad M 6 für AZ-Pumpe	1	43.049		Guide piston with seals		44.532
24	Mutter M 6 mit SW 8	1	43.010		Pos. 14; Pos. 15		
25	Kappe für Handrad AZ-Pumpe	1	43.050		Guide piston with handwheel		44.532.1
26	Manometer	1	15.039		Pos. 7; Pos. 14-25		
27	Stützing	3	43.091				
28	Gewebemanschette 14x24x5	3	41.613.1				
29	Backring 14 x 24	3	41.614				
30	O-Ring 26 x 2	3	43.052				

# Valve housing K 1120 - K 1150

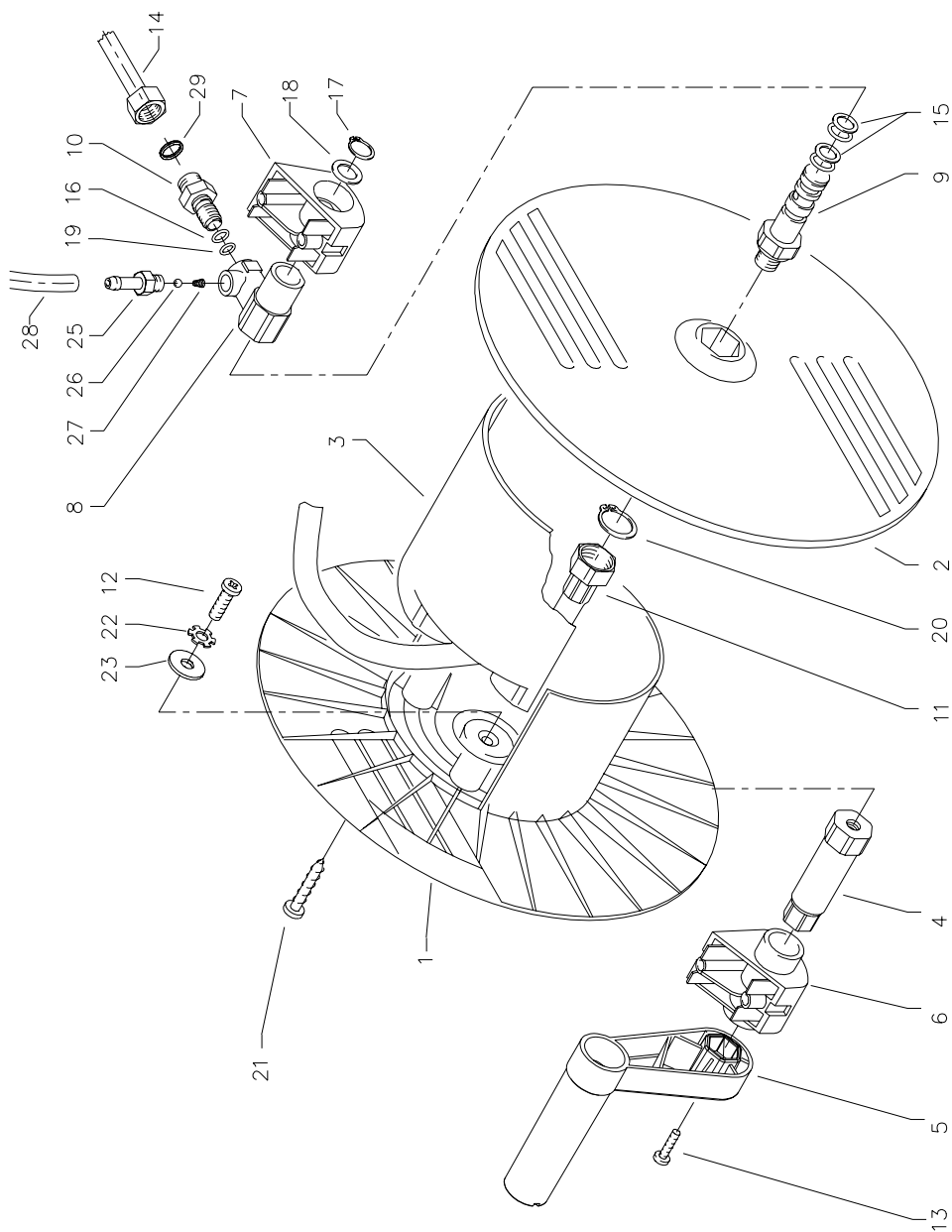


# KRÄNZLE 1120 - 1150

## Spare parts list KRÄNZLE 1120 - 1150 Valve housing

No	Description	Qty.	Ord.-No	No	Description	Qty.	Ord.-No
1	Ventilgehäuse AZ 14mm	1	43.007	31	Leckagering	3	43.053
2	Ventilstopfen	5	41.011	32	Manschette 14 x 20 x 4/2	3	43.054
3	Ventilstopfen mit R1/4" IG	1	41.011 1	33	Zwischenring mit Abstützung	3	43.055
4	Ventile (rot)	6	41.612	34	O-Ring Viton 5,23 x 2,62	3	43.056
5	Dichtstopfen M 8 x 1	1	13.158	35	Rückschlagkörper	1	43.009
6	Dichtstopfen M 10 x 1	1	43.043	36	Rückschlagfeder	1	43.057
7	O-Ring 12 x 2	15	15.005 1	37	O-Ring 12 x 1,5	1	43.058
8	O-Ring 11 x 1,5	1	12.256	38	Ausgangsst. Inj. ST30M22x1,5	1	43.008
9	Edelstahlsitz	1	14.118	39	Saugzapfen Schlauchanschluß	1	13.236
10	Sicherungsring	1	13.147	40	Edelstahlkugel 5,5 mm	1	13.238
11	Edelstahlkugel 8,5 mm	1	13.148	41	Edelstahlfeder	1	13.239
12	Edelstahlfeder	1	14.119	42	Innensechskantschr. M 8 x 25	2	40.053
13	Verschlußschraube	1	14.113	43	Innensechskantschr. M 8 x 40	2	43.059
14	Steuerkolben 6 mm für AZ	1	43.044	44	Dichting Kupfer	1	14.149
15	Parbaks für Kolben 14 mm	1	14.123 1	45	Sauganschluß	1	41.016
16	Parbaks für Spindel 6 mm	1	14.123 2	46	Wasserfilter	1	41.046 2
17	MS-Scheibe	1	43.045	48	Gummi Dichting	1	41.047 1
18	Kolbenführung 6 mm	1	14.130 1	49	Steckkupplung	1	41.047 2
19	Mutter M 6	2	14.127 1	50	O-Ring	1	41.047 3
20	Feder schwarz für AZ-Pumpe	1	43.046		Rep.-kit valves		41.64
21	Federdruckscheibe	1	43.047		6x Pos. 4, 12x Pos. 7		
22	Kugellager	1	43.048		Rep.-kit sleeves		43.060
23	Handrad M 6 für AZ-Pumpe	1	43.049		3x Pos. 28; 3x Pos. 29; 3x Pos. 30; 3x Pos. 32		
24	Mutter M 6 mit SW 8	1	43.010		Valve housing compl.		44.533
25	Kappe für Handrad AZ-Pumpe	1	43.050		Pos. 1-25; Pos. 27-43		
26	Manometer	1	15.039		Guide piston with seals		44.532
27	Stützring	3	43.091		Pos. 14; Pos. 15		
28	Gewebemanschette 14x24x5	3	41.613 1		Guide piston with handwheel		44.532 1
29	Backing 14 x 24	3	41.614		Pos. 7; Pos. 14-25		
30	O-Ring 26 x 2	3	43.052				

# Hose drum



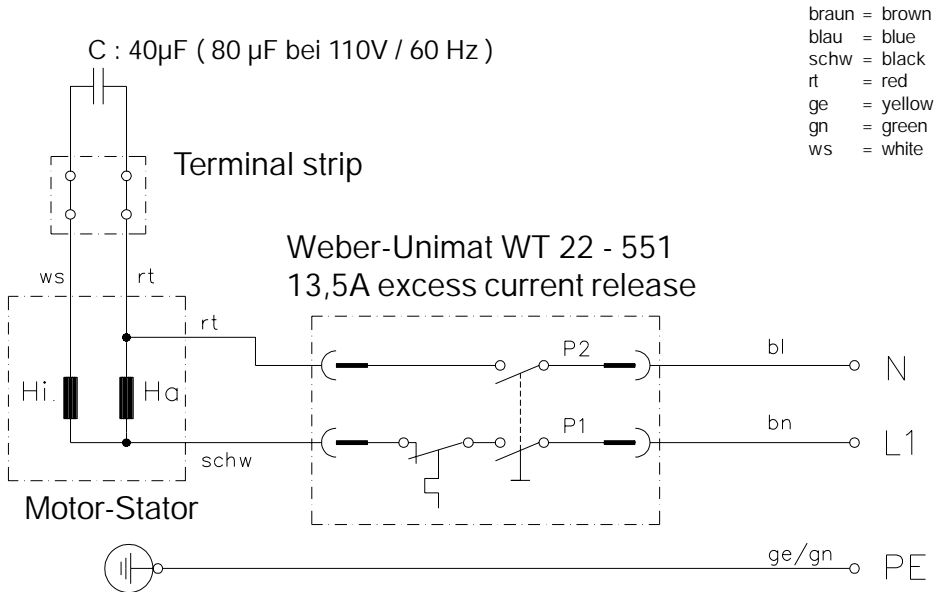
# KRÄNZLE 1120 T - 1150 T

## Spare parts list KRÄNZLE 1120 T - 1150 T Hose drum

No	Description	Qty.	Ord.-No
1	Schale groß	1	40.160
2	Schale klein	1	40.161
3	Knickschutz	1	40.162
4	Antriebswelle	1	44.517
5	Kurbel	1	40.165
6	Lagerklotz links	1	44.515
7	Lagerklotz rechts	1	44.516
8	Drehgelenk	1	40.167
9	Achse mit Wasserführung	1	44.518
10	Eingangsinjektor	1	40.169
11	HD-Schlauch NW 6 15 m	1	40.170
12	Schraube M 6 x 16	1	40.171 1
13	Schraube M 5 x 10	1	43.021
14	Anschlußrohr Ermeto Edelsstahl	1	44.520
15	Parbaks 16 mm	2	13.159
16	O-Ring 10 x 2	1	43.068
17	Sicherungsring 16 mm	1	40.182
18	Scheibe MS 16 x 24 x 2	1	40.181
19	O-Ring 6,68 x 1,78	1	40.585
20	Sicherungsring 20 mm	1	40.172
21	Kunststoffschraube 5,0 x 20	4	43.018
22	Zahnscheibe 6,4	1	40.183
23	Scheibe DIN9021 6,4	1	50.174
25	Saugzapfen Schlauchanschluß	1	13.236
26	Edelstahlkugel 5.5 mm	1	13.238
27	Edelstahlfeder	1	13.239
28	Chemikaliensaugschlauch mit Filter	1	15.038
29	O-Ring 6 x 0,8	2	40.177

# Wiring diagram

## Wiring diagram for KRÄNZLE K 1120 - K1150 T



# General rules

## Inspections

The machine must be inspected according to the "Guidelines for Liquid Spray Devices" at least once every 12 months by a qualified person, to ensure that continued safe operation is guaranteed. The results of the inspection are to be recorded in writing. This may be done in any form.

## Accident prevention

The machine is designed for accidents to be impossible if used correctly. The operator is to be notified of the risk of injury from hot machine parts and the high pressure water jet. The "Guidelines for Liquid Spray Devices" must be complied with. (see page 14 and 15)

## Oil change:

Check the oil level at the oil sight glass prior to each use. (Ensure horizontal position!) The oil level should be at the middle of the sight glass. With high atmospheric humidity and temperature fluctuation there may be condensation (oil has a greyish colour); Then the oil must be changed.

First oil change after approx 50 hours of operation. Thereafter, no more oil change is required for the lifetime of the equipment. If it becomes necessary during repairs, or because the oil has a greyish colour to perform an oil change, then the oil sight glass should be opened and the oil emptied into a container. The oil must be caught in a container and disposed of in a responsible, legal manner.

New oil: 0.25 l - Motor oil: W 15/40

## Oil leak

In the event of an oil leak contact customer service (dealer) immediately. (damage to environment or transmission)

## Guarantee

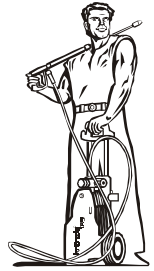
The guarantee period is 24 months according to VDMA.

The guarantee is void if changes are made to the safety devices or if the machine is used at excess temperatures or speeds. The guarantee is also void if the machine is used with a voltage below the required rating, with less than the required amount of water, with dirty water and external damage to the pressure gauge, nozzle, high pressure hose and spray device.

The same applies for incorrect operation.

This guarantee is not applicable for spare parts.

Our operating instructions must be complied with.



I. Kränzle GmbH  
Elpke 97  
33605 Bielefeld

EC declaration of conformity  
as defined by machinery directive 98/37/EU Annex II A  
and the EC low-voltage directive 73/23 EEC  
and the EC-EWV directive 89/336

Herewith we  
declare that

**K1120/ K1120 T; K1150/ K1150 T**

complies with the following  
provisions applying to it

**79/113 EWG 81/1051 EWG**

Applied  
harmonized standards  
in particular

**EN 292 T 1 and T 2  
EN 60 204 T 1  
EN 50 082-2  
EN 61 000 3-2 3-3  
EN 55 014  
EN 55 104 - 2**

Applied national technical  
standards and specifications  
in particular

**DIN VDE 0700 Part 79  
DIN IEC 61 J (Co) 17**

Notified body <sup>1)</sup> within the  
meaning of Annex VII

**TÜV Hannover**

engaged for <sup>2)</sup>

- safe keeping of the file as defined by Annex VI
- verification of correct application of harmonized standards and certification of adequacy of the file as defined by Annex VI
- EC type-examination (EC type-examination certificate No. ...)

Bielefeld 10.10.97

A handwritten signature in black ink, appearing to read 'Droitsch', written over a horizontal line.

Droitsch  
(Geschäftsführer)



# *Notes*

# *Notes*

# *Notes*



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As date of 17. 05. 2001

Order n°: 30 236 1