

kränzle®

GB

High Pressure Cleaners



1120/1120 T
(110-127 V / 60 Hz)

1150/1150 T
(220-240 V / 50/60 Hz)



DIN EN
ISO 9001



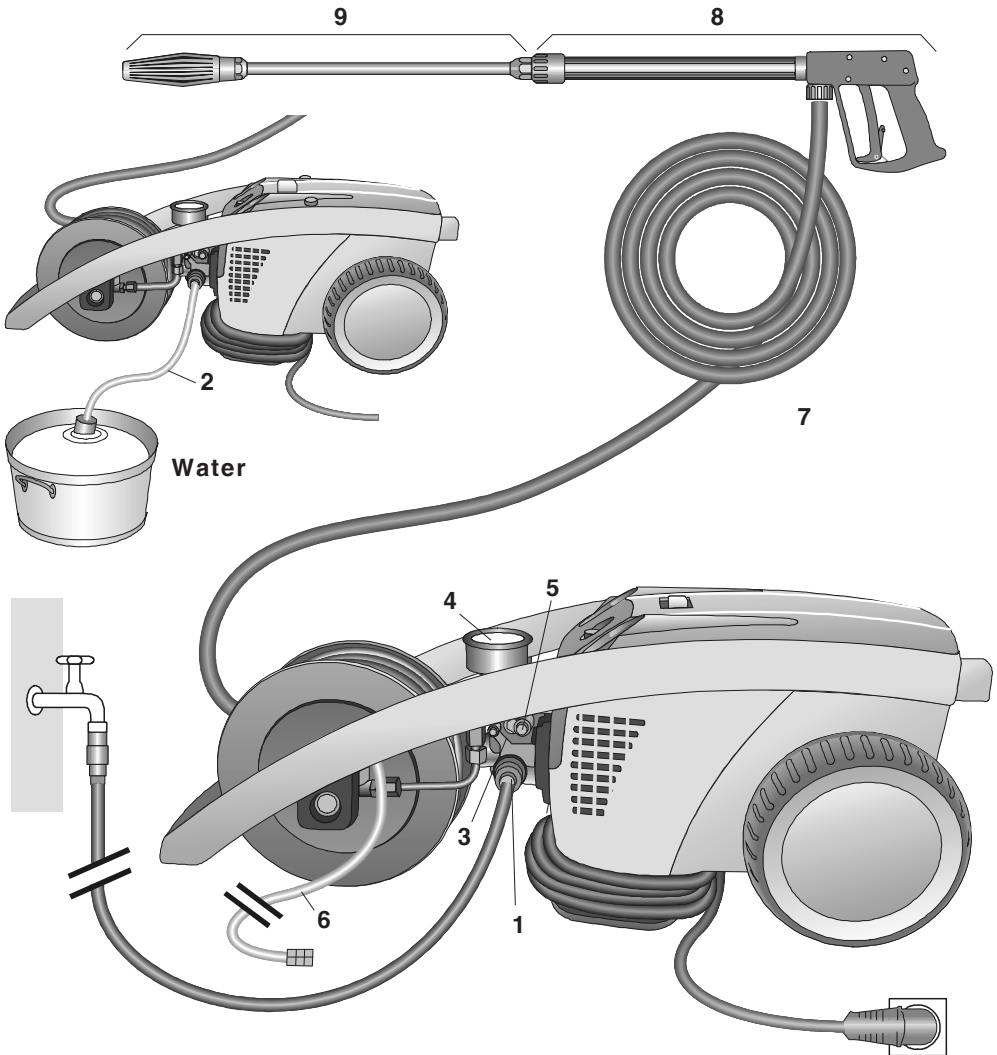
made
in
Germany



Operating manual
Read and conform
safety instructions
before use



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 / Pflegemittel 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. 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 !



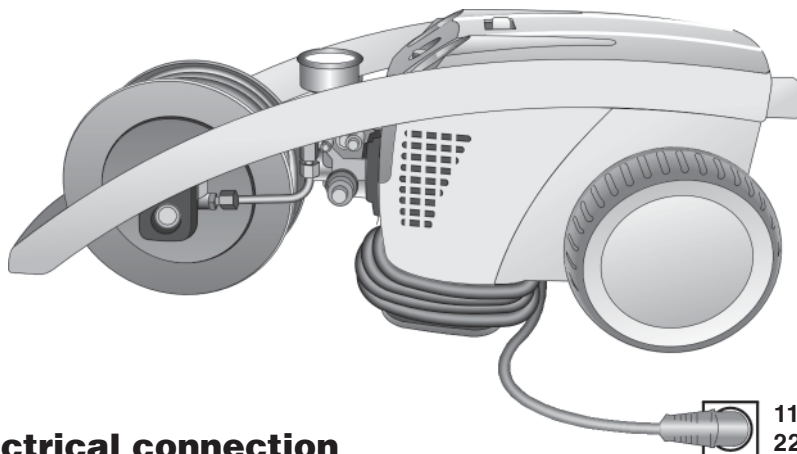
Never use liquid containing solvents such as paint thinners, petrol, oil or similar liquid matter. **Pay attention to the instructions of the manufacturers of the cleaning agents.** The seals in the machine are not resistant to solvents. The spray of solvents is inflammable, explosive and poisonous.

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

110 V - 127 V
220 V - 240 V

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 mm². Plug connections must be of a spray-proof design, and may not be located on a wet floor.

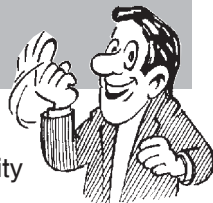
(with extension cables of more than 10 m - 2.5 mm²)

CAUTION !

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

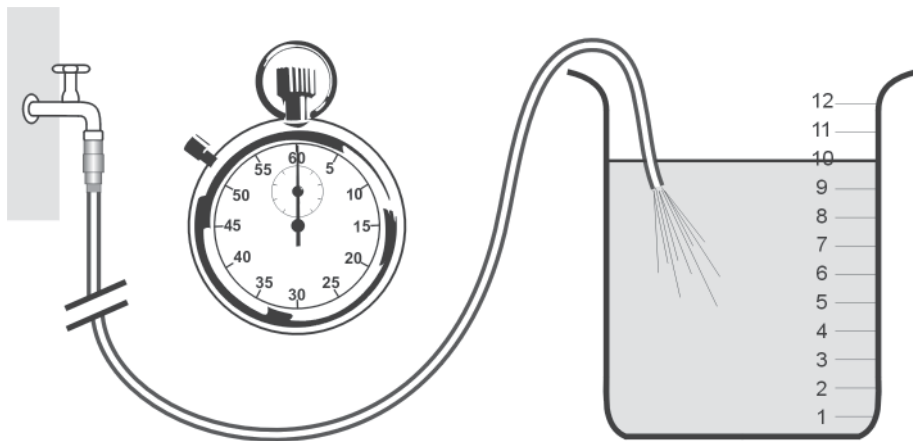
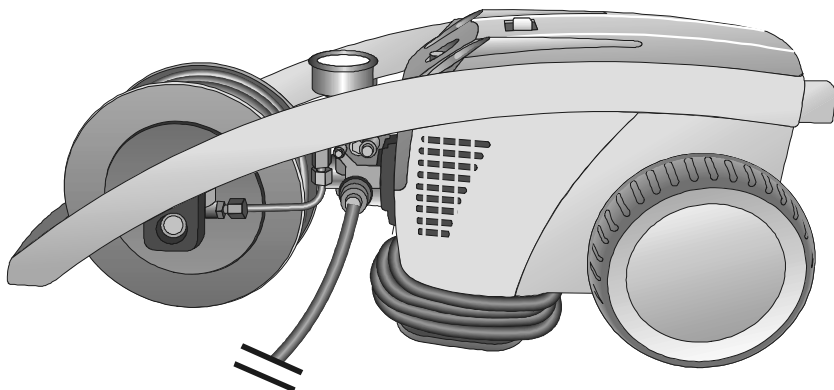
When using a cable drum, always keep the cable wound as far as possible.

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 EN 61 770, 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 EN 61 770; 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.



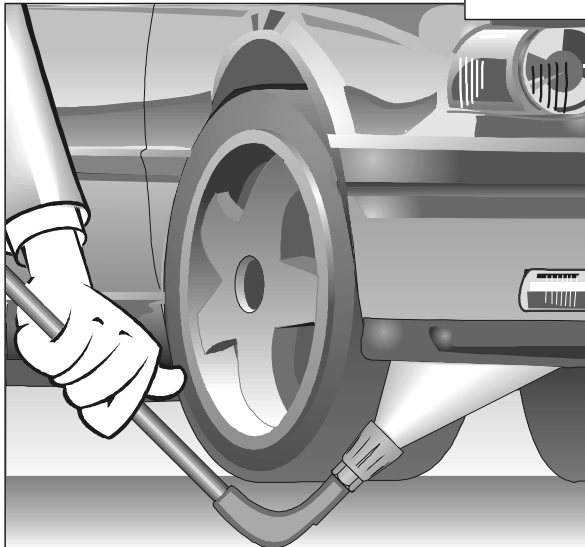
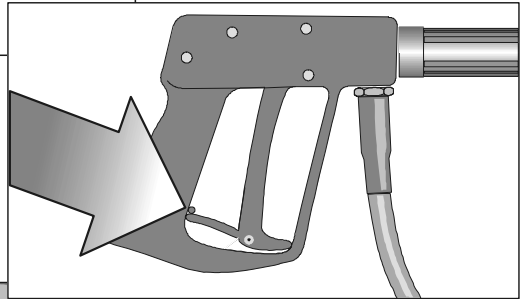
If replacement parts are required, only such parts that are authorized by the manufacturer and which bear the markings required by the appropriate regulations may be used. The high pressure hose and spray device must be connected in a pressure-tight manner (no leak). The high pressure hose may not be 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 example 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)

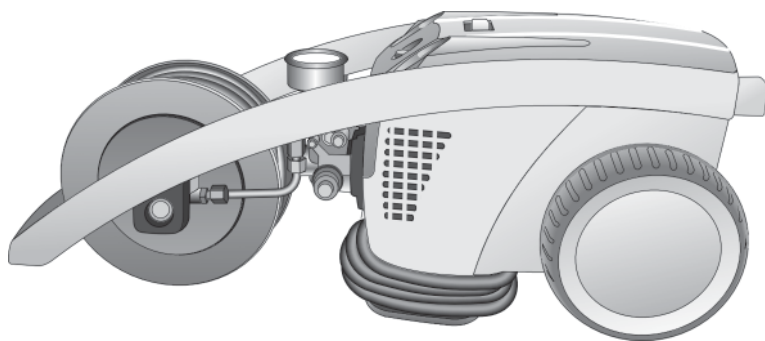


2. Spray lance with
Vario - Jet nozzle



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



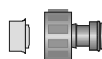
5. Crank for hose drum



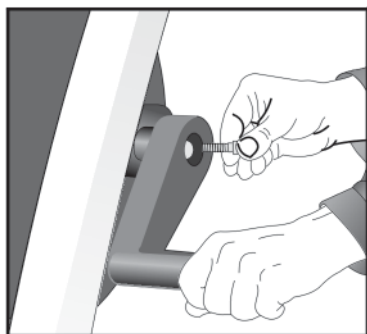
6. Operating
instructions



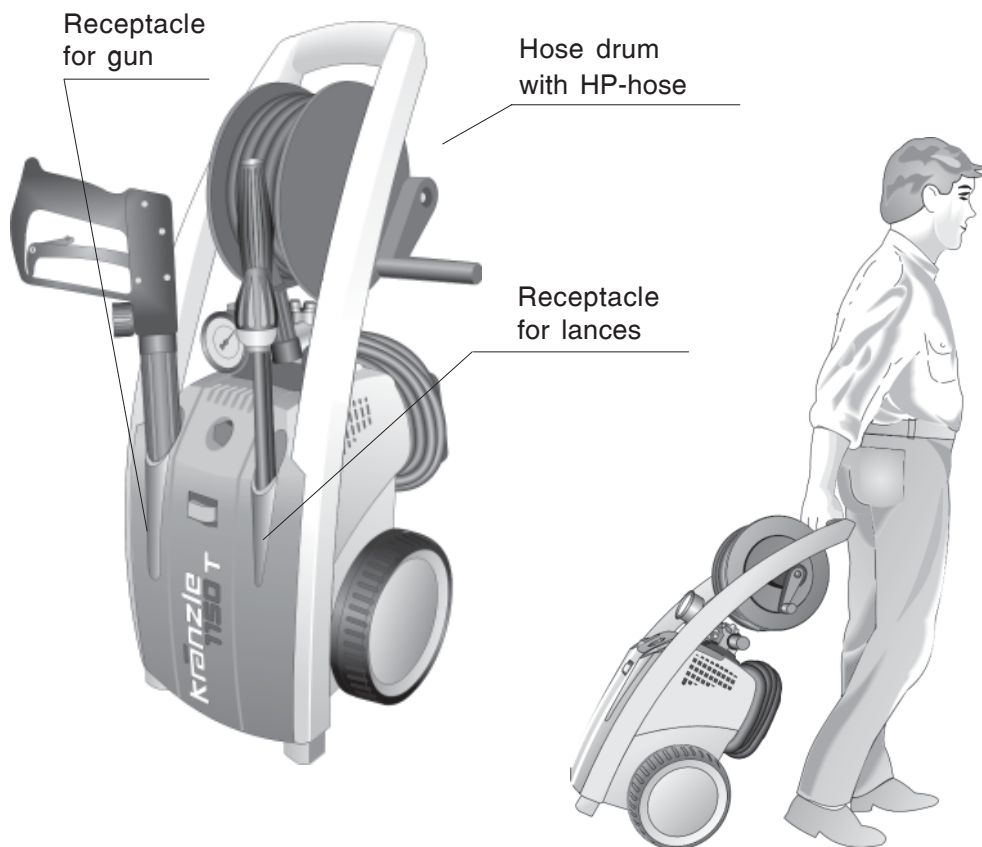
7. Water inlet components



How to assemble and furnish your high pressure cleaner



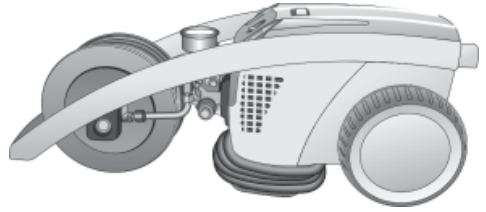
Put high pressure cleaner into upright position. Remove the screw from the brass element. Put the crank on the hexagon and fasten with the screw.



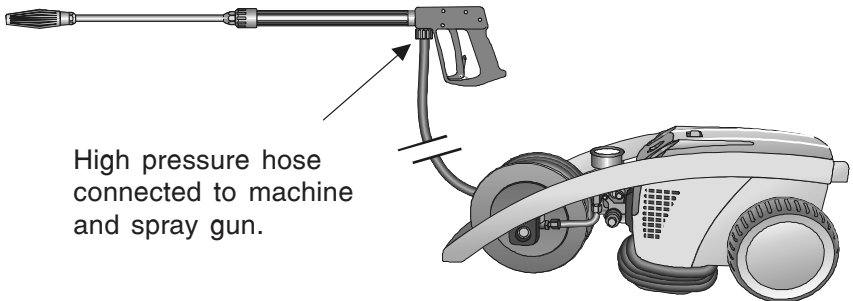
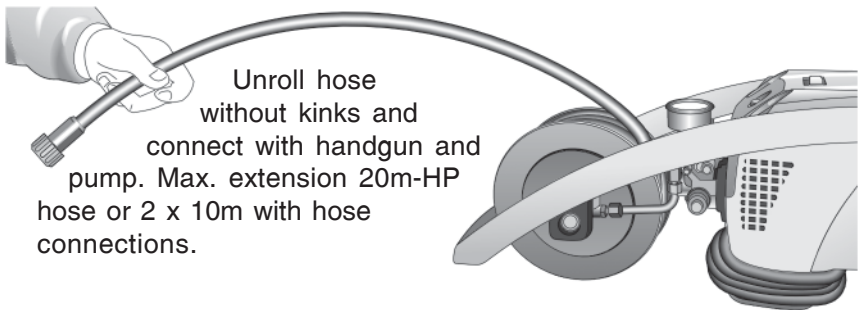
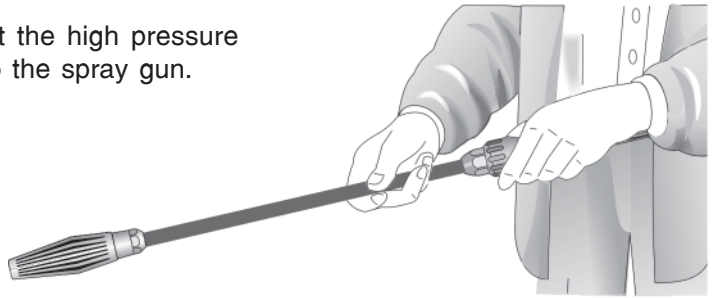
Preparation for use

1. Put high pressure cleaner into horizontal position!

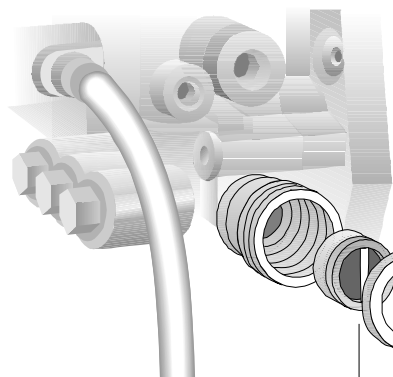
THE HIGH PRESSURE
CLEANER IS ONLY TO
BE OPERATED IN
HORIZONTAL
POSITION !



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



Preparation for use



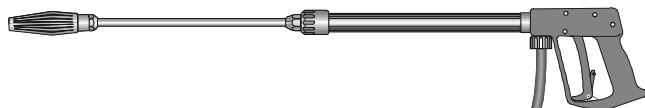
Please make sure that the filter is clean before using your high pressure cleaner.

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 $1/2" = 12.7 \text{ mm}$ (free passage). Filter 1 must always be clean.

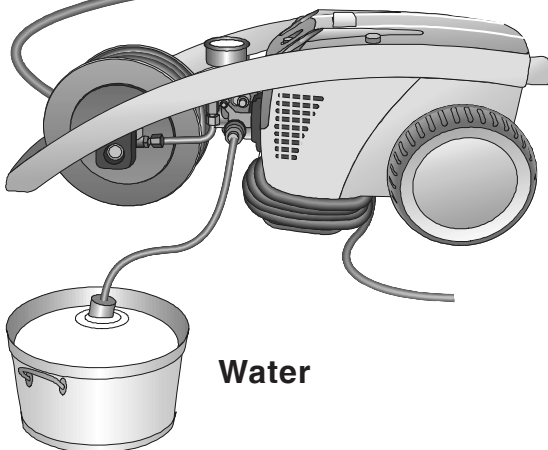
CAUTION !



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



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



Preparation for use

Adjusting the pressure

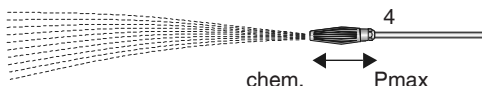
This is accomplished by turning the handwheel. The default setting is maximum pressure.

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.



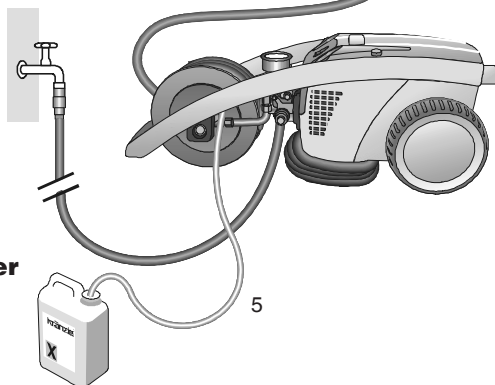
Max high pressure hose length 20m

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

Turn on Vario-Jet to reach low pressure !



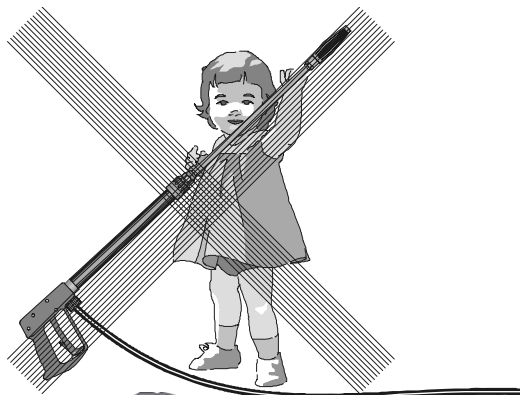
Note that you must always comply with the instructions provided by the manufacturer of the cleansing agent (e.g. instructions concerning safety clothing) and the water protection regulations!



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.

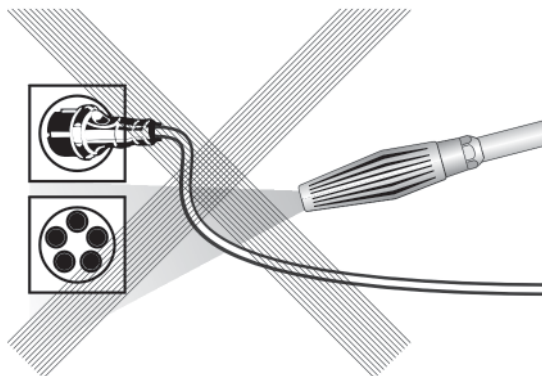
This is prohibited !



Never allow children to use the high pressure cleaner !



Never direct the water jet at the machine itself !

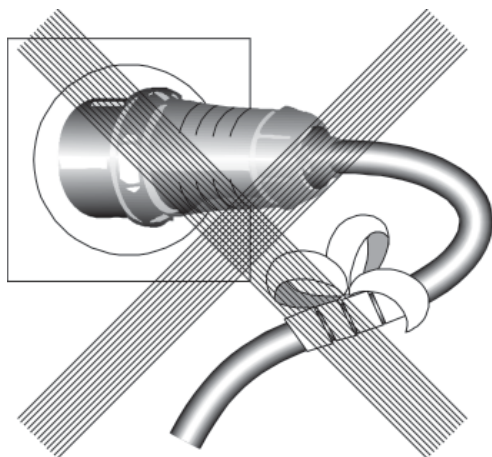


Never direct the water jet at a power socket !

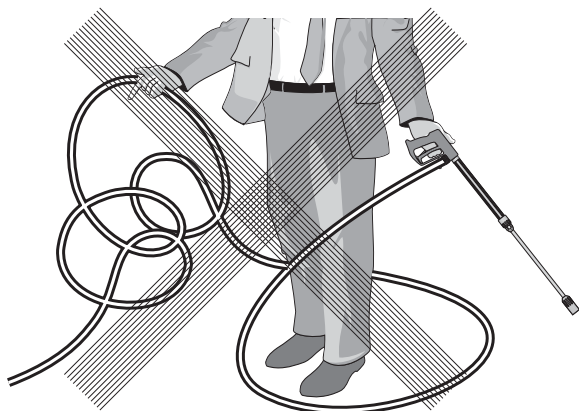
This is prohibited !



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

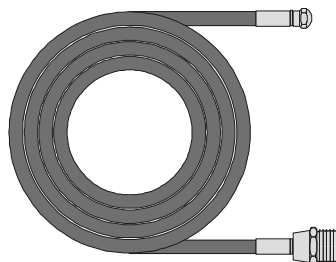
Order No. 41.050 1



Drain and pipe cleaning hose

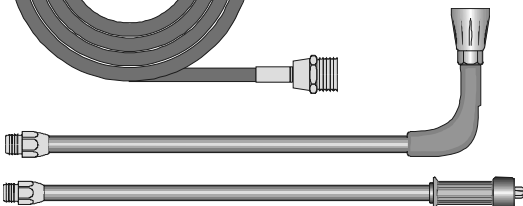
10 m - Order No. 41.058 1

15 m - Order No. 41.058



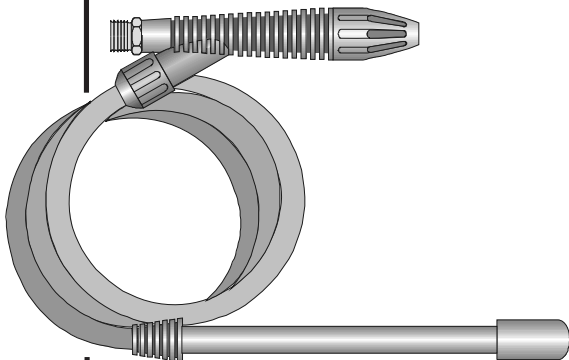
Underbody lance, new

Order No. 41.075 1



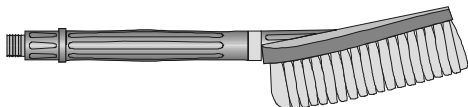
Sandblaster

Order No. 41.068 1



Flat brush

Order No. 41.073



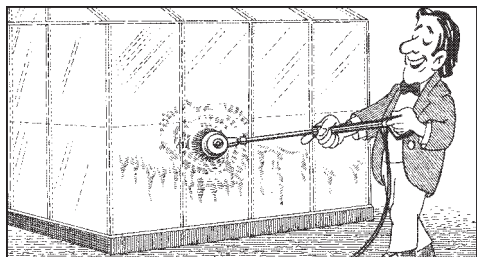
Dirtkiller

Order No. 41.072 5

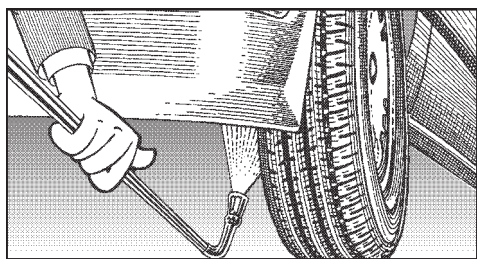


Environmental, refuse disposal and water protection regulations must be observed when using the accessories!

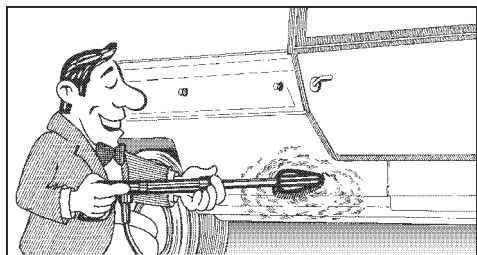
... for further combination possibilities



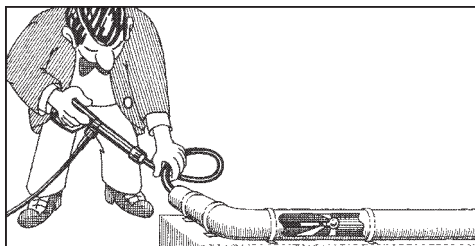
Car cleaning, glass, caravan, boat etc.
rotary washing brush with 40 cm extension and ST 30 nipple M 22 x 1,5



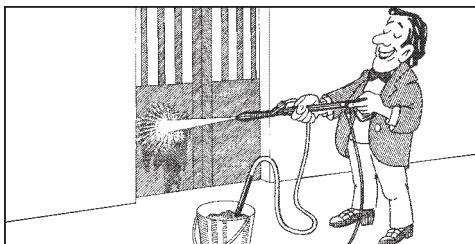
Underbody cleaning of cars, trailers and equipment: lance 90 cm with high pressure nozzle and ST 30 nipple M 22 x 1,5.
The lance must be aimed when spraying.



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



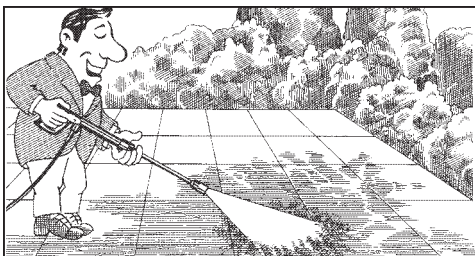
Cleaning pipes, channels and drains:
pipe cleaning hose with KN nozzle
and ST 30 nipple M 22 x 1,5



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



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

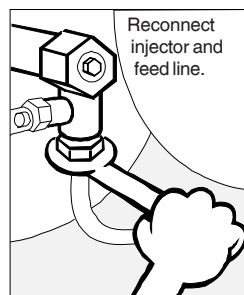
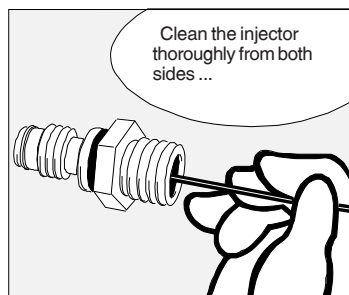
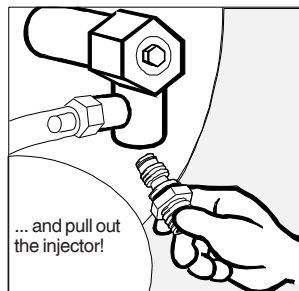
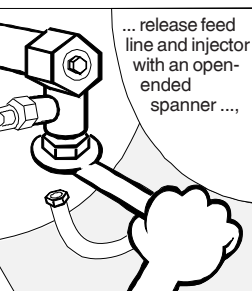
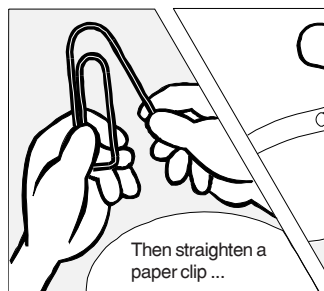
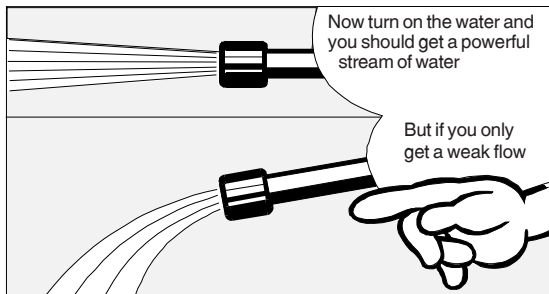


Rotary point sprayer for extreme soiling.
Dirtkiller with 40 cm extension and ST 30
nipple.

Small repairs - Do it yourself!

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

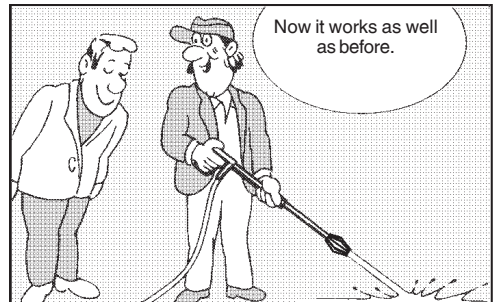
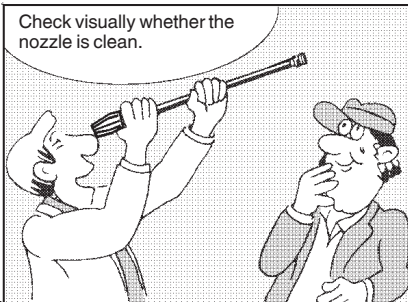
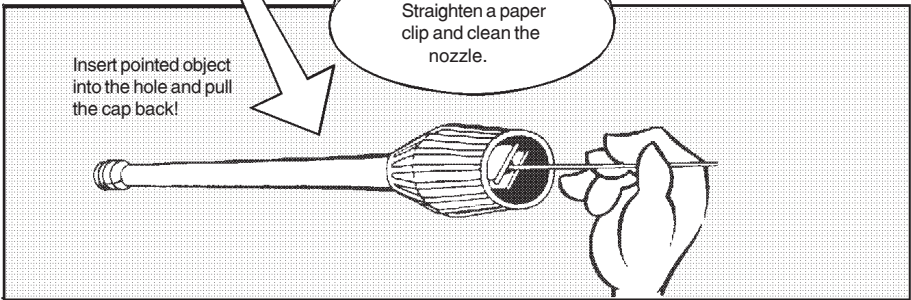
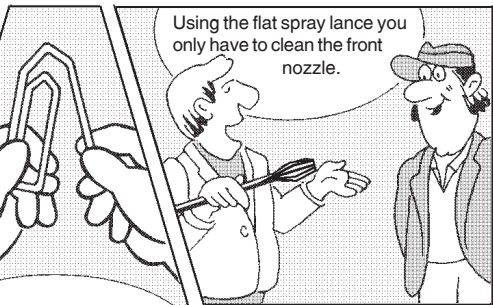
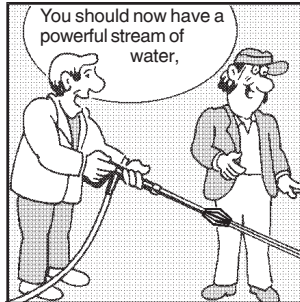
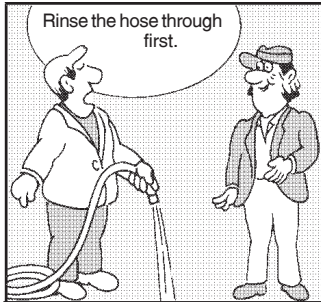
- The pressure gauge shows a 10% higher pressure than the working pressure.



Small repairs -

The nozzle is blocked!

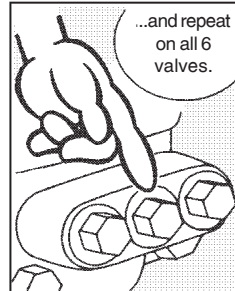
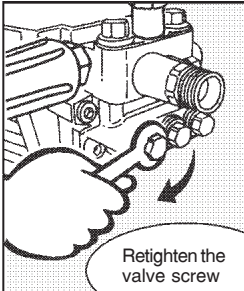
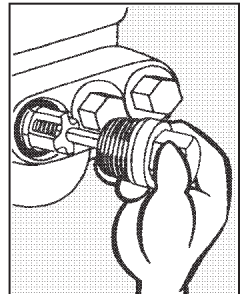
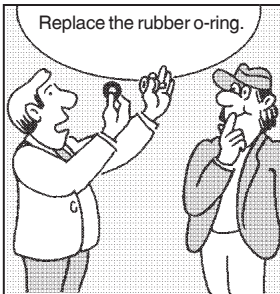
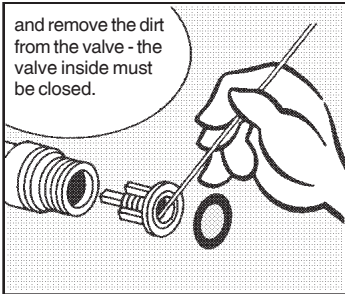
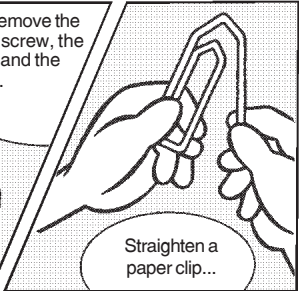
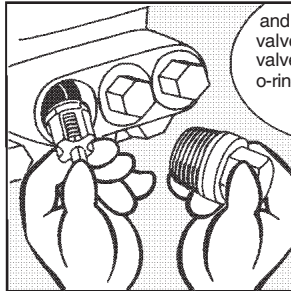
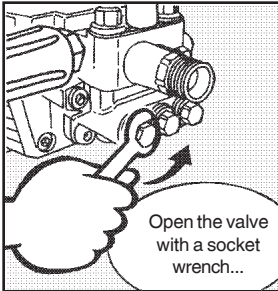
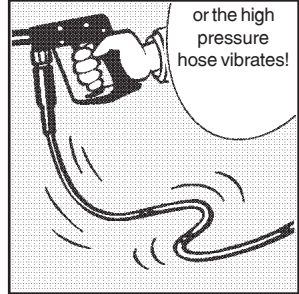
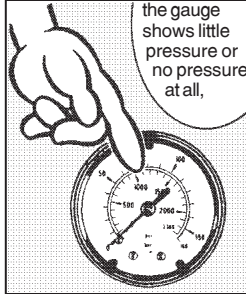
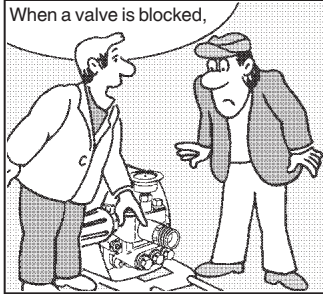
● No water but the gauge shows full pressure !



- Do it yourself!

Nozzle dirty or sticky!

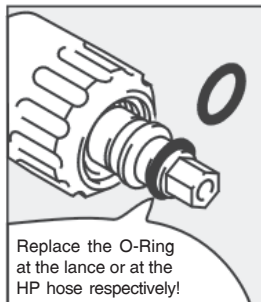
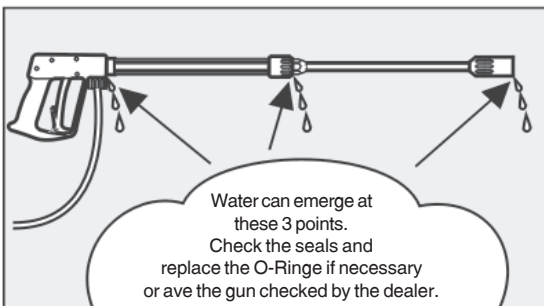
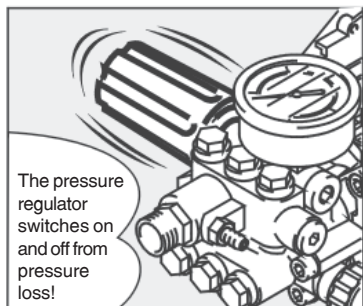
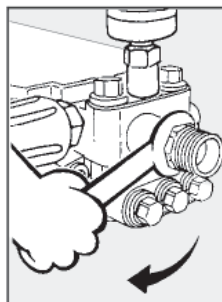
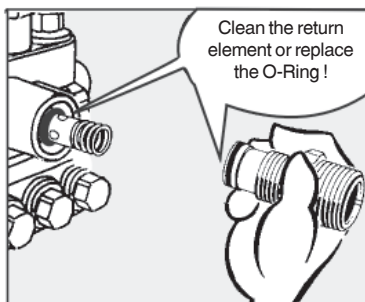
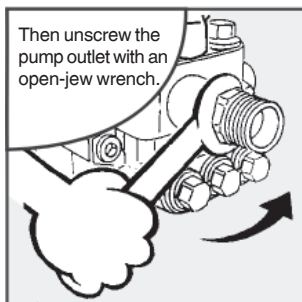
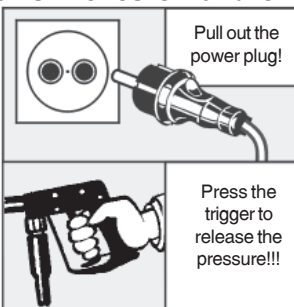
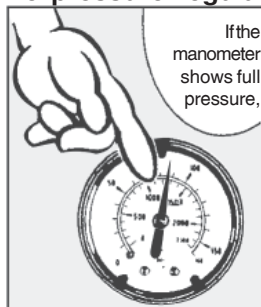
- Pressure gauge does not show full pressure.
- Water comes out in spurts.
- If you do not use the high-pressure cleaner for some time the valves can stick
- The high-pressure hose vibrates.



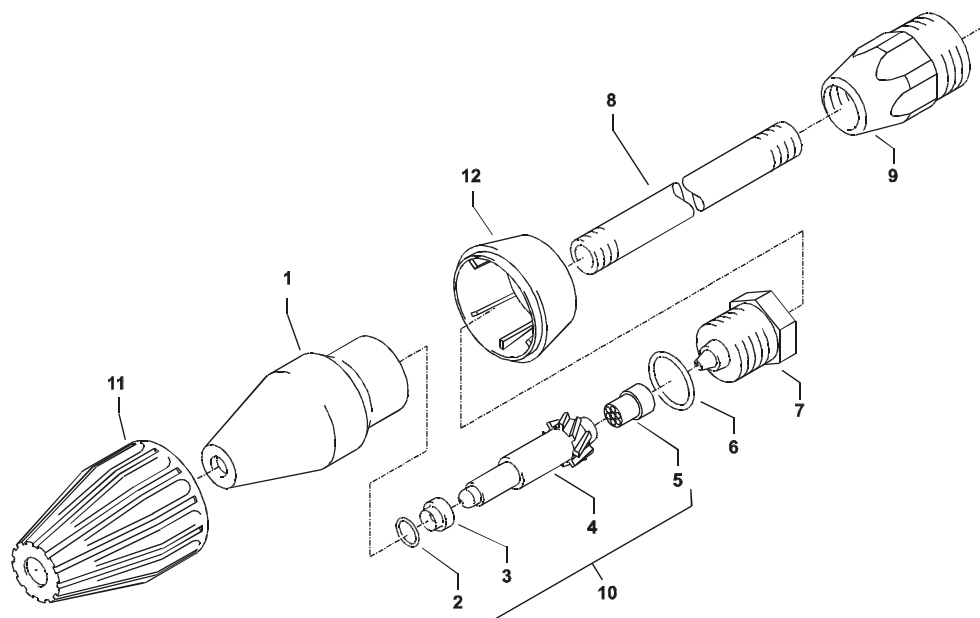
Small repairs - Do it yourself!

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

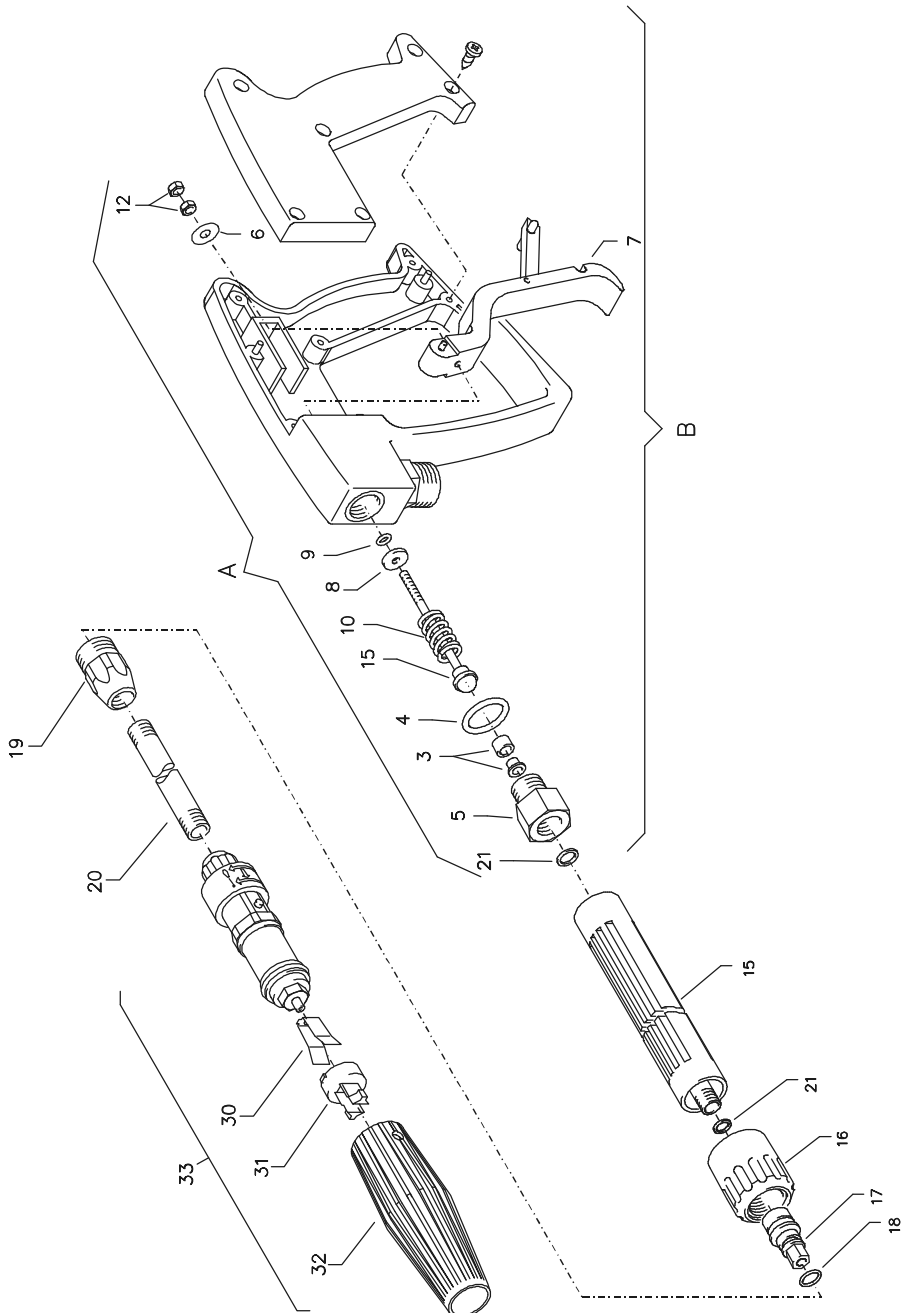
41.097

consisting of: 1x 2; 3; 4; 5

Dirtkiller 045 compl. with lance

41.072 5

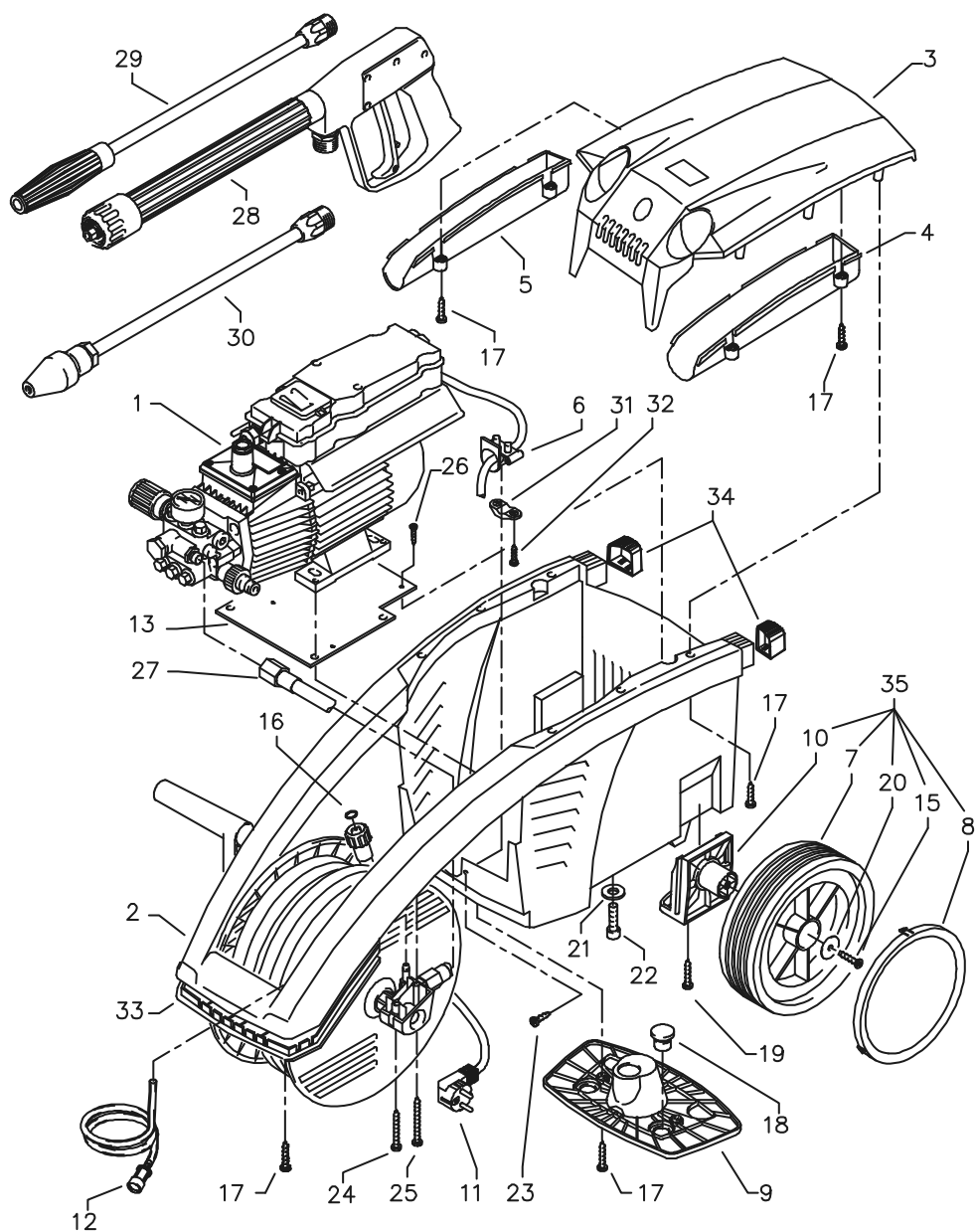
Gun with lance



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

No	Description	Qty.	Ord.-No
5	Rohranschlußteil R1/4" incl. Pos. 3, 4, 21	1	12.125
6	Scheibe 5,3 DIN9021	1	50.152
7	Abzug-Hebel kpl.	1	12.144 1
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
19	ST 30-Nippel M 22 x 1,5	1	13.363
20	Rohr 400 lang, bds. M12 x 1	1	15.002
21	Aluminium Dichtring	6	13.275 1
30	Klemmstück	1	41.155 2
31	Halterung für Klemmstück	1	41.155 4
32	Kunststoffhülle	1	41.155 1
33	Vario-Jet 045	1	41.155 6
A	Rep.-Kit Pos: 3, 4, 5, 8, 9,10, 12, 15,21		12.158
B	Griff komplett		12.164
	<i>Midi-Pistole kpl.</i>		<i>12.160</i>
	Lanze kpl. mit Vario-Jet		41.156

Complete assembly

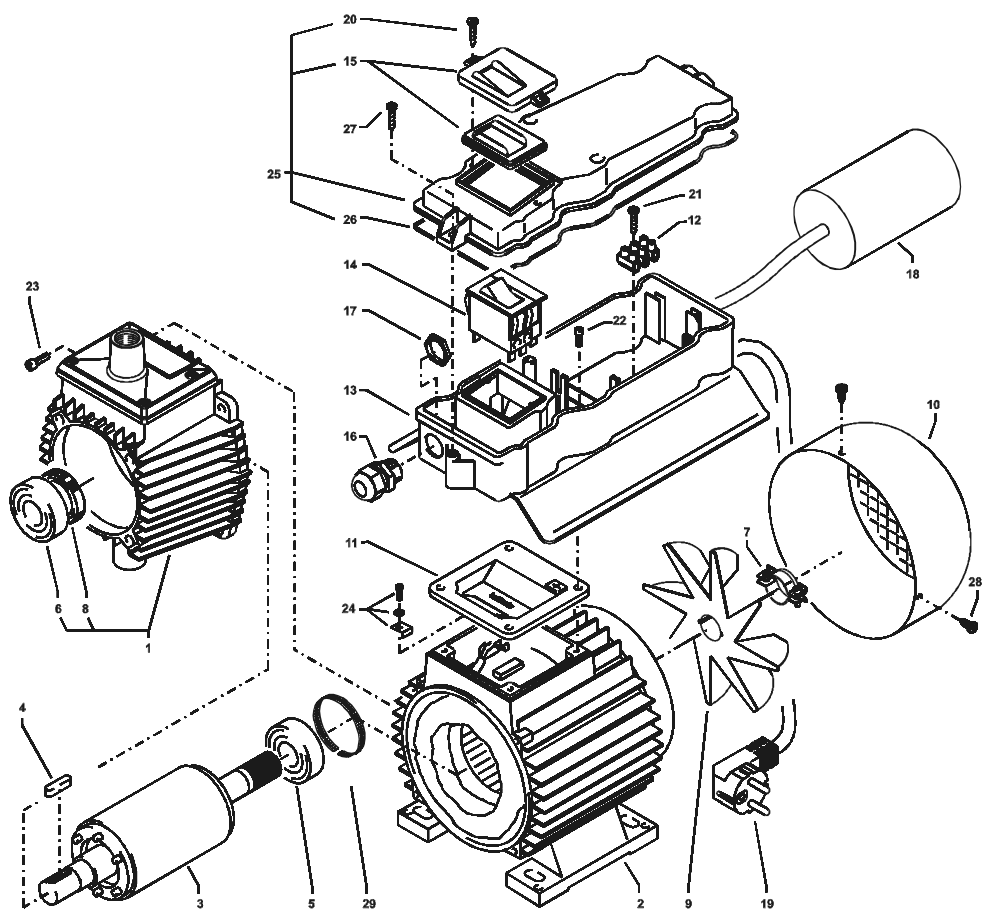


KRÄNZLE 1120 - 1150 T

Spare parts list KRÄNZLE 1120 - 1150T Complete assembly

No	Description	Qty.	Ord.-No
1.1	Motor-Pumpe K1150 ohne Schaltkasten	1	44.542
1.2	Motor-Pumpe K1150 mit Schaltkasten	1	44.542 1
1.3	Motor-Pumpe K1150T ohne Schaltkasten	1	44.543
1.4	Motor-Pumpe K1150T mit Schaltkasten	1	44.543 1
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	Kunststoffschraube 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	Midi-Pistole	1	12.160
29	Vario-Jet 042 kpl. mit Lanze	1	41.156 5-042
30	Schmutzkiller 042	1	41.571-042
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
35	Rad kpl. (7, 8, 10, 15, 20)	2	44.538 2

Motor

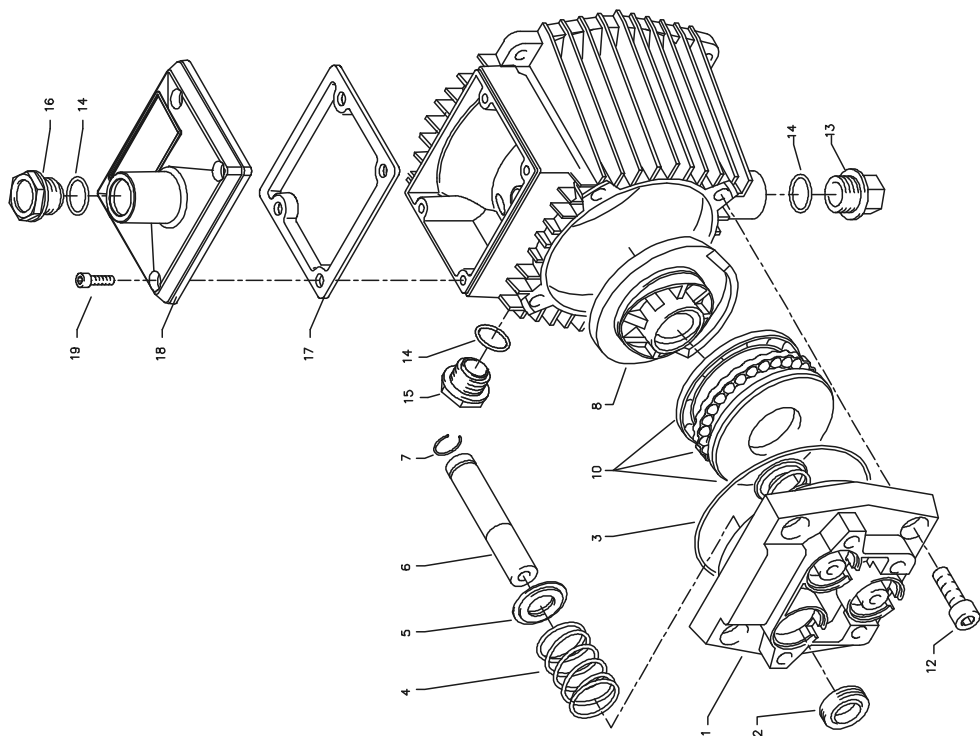


KRÄNZLE 1120 - 1150 T

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
	K 1150 / K 1150 T (230V ; 50/60Hz)		
18.1	Kondensator 80µF für	1	43.505
	K 1120 / K 1120 T (110V ; 50/60Hz)		
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
29	Toleranzhülse	1	43.063 1
	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

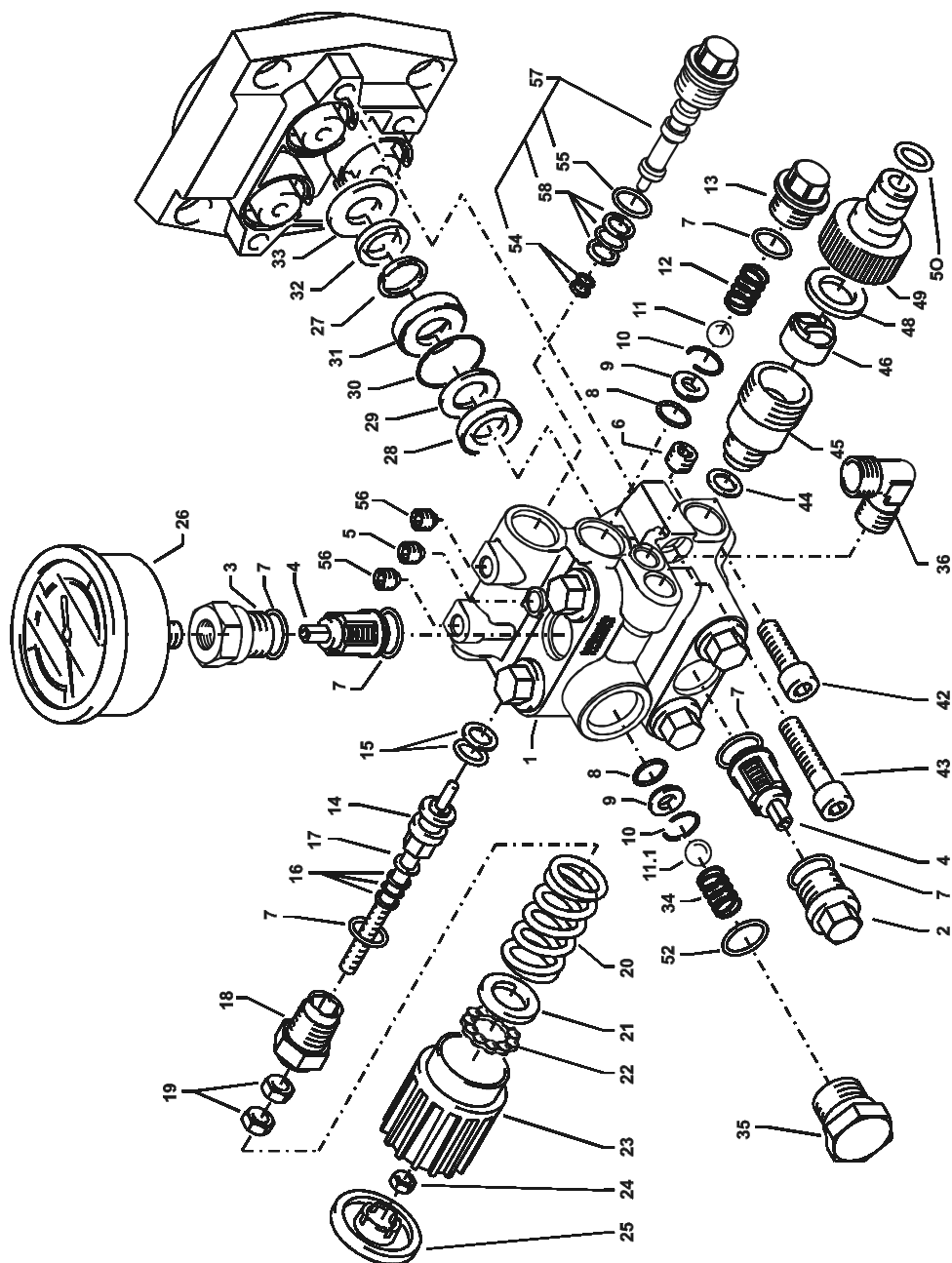
Transmission



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	Taumelscheibe 12,0° für K1120	1	41.028-12,0
	Taumelscheibe 9,25° für K1150 230V/ 50Hz	1	41.028-9,25
	Taumelscheibe 9,25° für K1150 T 230V/ 50Hz	1	41.028-9,25
	Taumelscheibe 8,0° für K1150 230V/ 60Hz	1	41.028-7,75
	please specify angle when ordering		
10	Axial-Rillenkugellager 3-teilig	1	43.486
12	Innensechskantschraube M 8 x 25	4	40.053
13	Verschlußschraube 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
17	Dichtung Öldeckel	1	44.501 1
18	Deckel Ölgehäuse	1	44.501 2
19	Innensechskantschraube M 5 x 12	4	41.019 4

Valve housing K 1120 T - K 1150 T

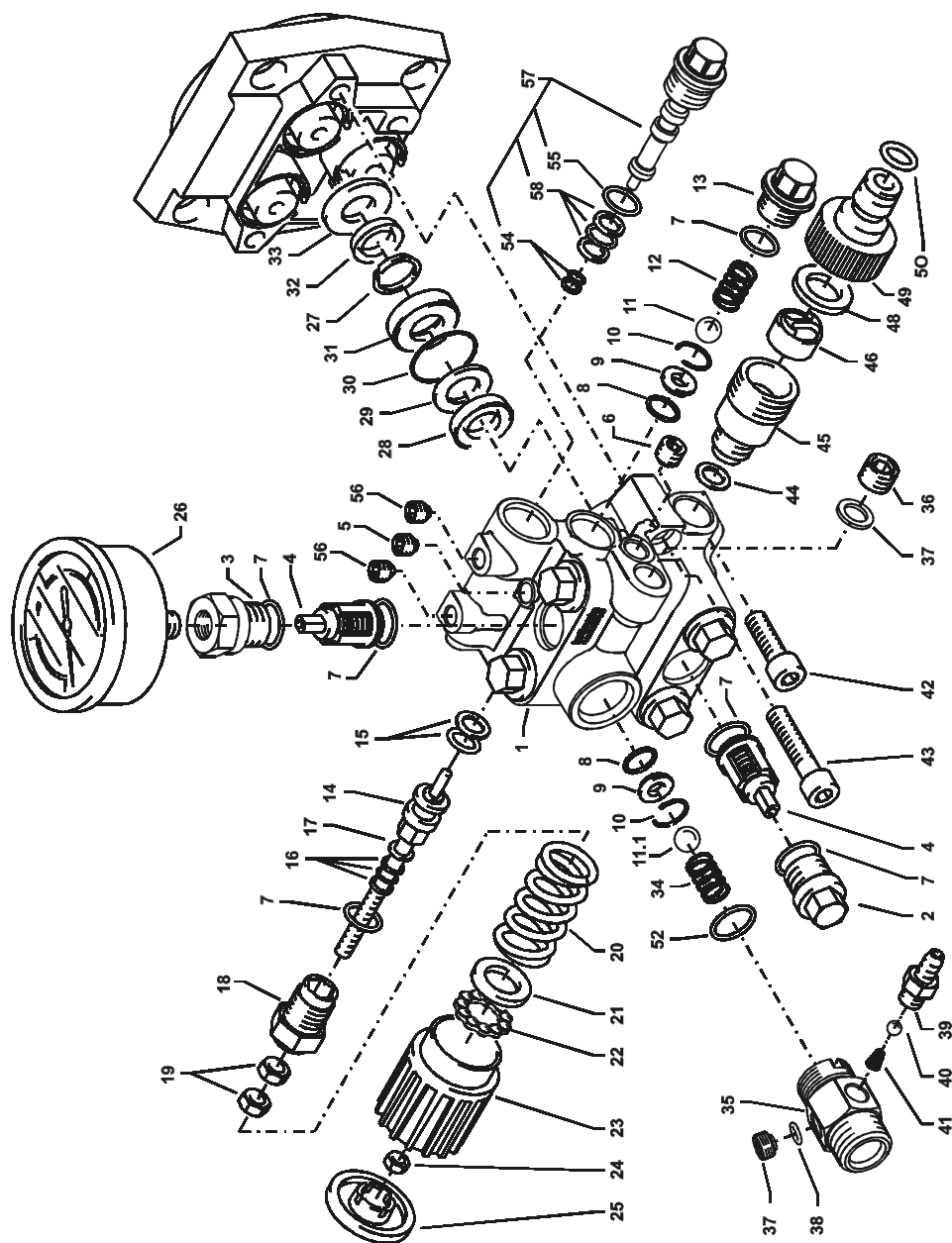


Spare parts list KRÄNZLE 1120 T - 1150 T

Valve housing

No	Description	Qty.	Ord.-No	No	Description	Qty.	Ord.-No
1	Ventilgehäuse	1	44.550	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	Rückschlagfeder	1	14.120 1
5	Dichtstopfen M 8 x 1	1	13.158	35	Verschlussstopfen für Kugelrücks.v.	1	44.524
6	Dichtstopfen M 10 x 1	1	43.043	36	Ermetowinkel R1/4"x8	1	40.179
7	O-Ring 12 x 2	15	15.005 1	42	Innensechskantschr. M 8 x 25	2	40.053
8	O-Ring 11 x 1,5	2	12.256	43	Innensechskantschr. M 8 x 40	2	43.059
9	Edelstahlsitz	2	14.118	44	Dichtring Kupfer	1	14.149
10	Sicherungsring	2	13.147	45	Sauganschluss	1	41.016
11	Edelstahlkugel 8,5 mm	1	13.148	46	Wasserfilter	1	41.046 2
11.1	Edelstahlkugel 10,0 mm	1	12.122	48	Gummi Dichtring	1	41.047 1
12	Edelstahlfeder	1	14.119	49	Steckkupplung	1	41.047 2
13	Verschlussschraube	1	14.113	50	O-Ring	1	41.047 3
14	Steuerkolben 6 mm für AZ	1	43.044	52	O-Ring 18 x 2	1	43.446
15	Parbaks für Kolben 14 mm	1	14.123 1	54	Parbaks 4 mm	1	12.136 2
16	Parbaks für Spindel 6 mm	1	14.123 2	55	O-Ring 13,94 x 2,62	1	42.167
17	MS-Scheibe	1	43.045	56	Dichtstopfen M 8 x 1	2	13.158
18	Kolbenführung 6 mm	1	14.130 1	57	Blindverschluss mit Dichtungen	1	44.551
19	Mutter M 6	2	14.127 1	58	Parbaks 7 mm	1	15.013
20	Feder schwarz für AZ-Pumpe	1	43.046				
21	Federdruckscheibe	1	43.047		Rep.-kit valves		41.648
22	Kugellager	1	43.048		6x Pos. 4, 12x Pos. 7		
23	Handrad M 6 für AZ-Pumpe	1	43.049		Rep.-kit sleeves		43.060
24	Mutter M 6 mit SW 8	1	43.010		3x Pos. 28; 3x Pos. 29; 3x Pos. 30, 3x Pos. 32		
25	Kappe für Handrad AZ-Pumpe	1	43.050		Valve housing compl.		44.531 2
26	Manometer	1	15.039		Pos. 1-25; Pos. 27-43		
27	Stützring	3	43.091		Guide piston with seals		44.532
28	Gewebemanschette 14x24x5	3	41.613 1		Pos. 14; Pos. 15		
29	Backring 14 x 24	3	41.614		Guide piston with handwheel		44.532 1
30	O-Ring 26 x 2	3	43.052		Pos. 7; Pos. 14-25		
31	Leckagering	3	43.053				
32	Manschette 14 x 20 x 4/2	3	43.054				
33	Zwischenring mit Abstützung	3	43.055				
34	Rückschlagfeder	1	14.120 1				
35	Verschlussstopfen für Kugelrücks.v.	1	44.524				

Valve housing K 1120 - K 1150

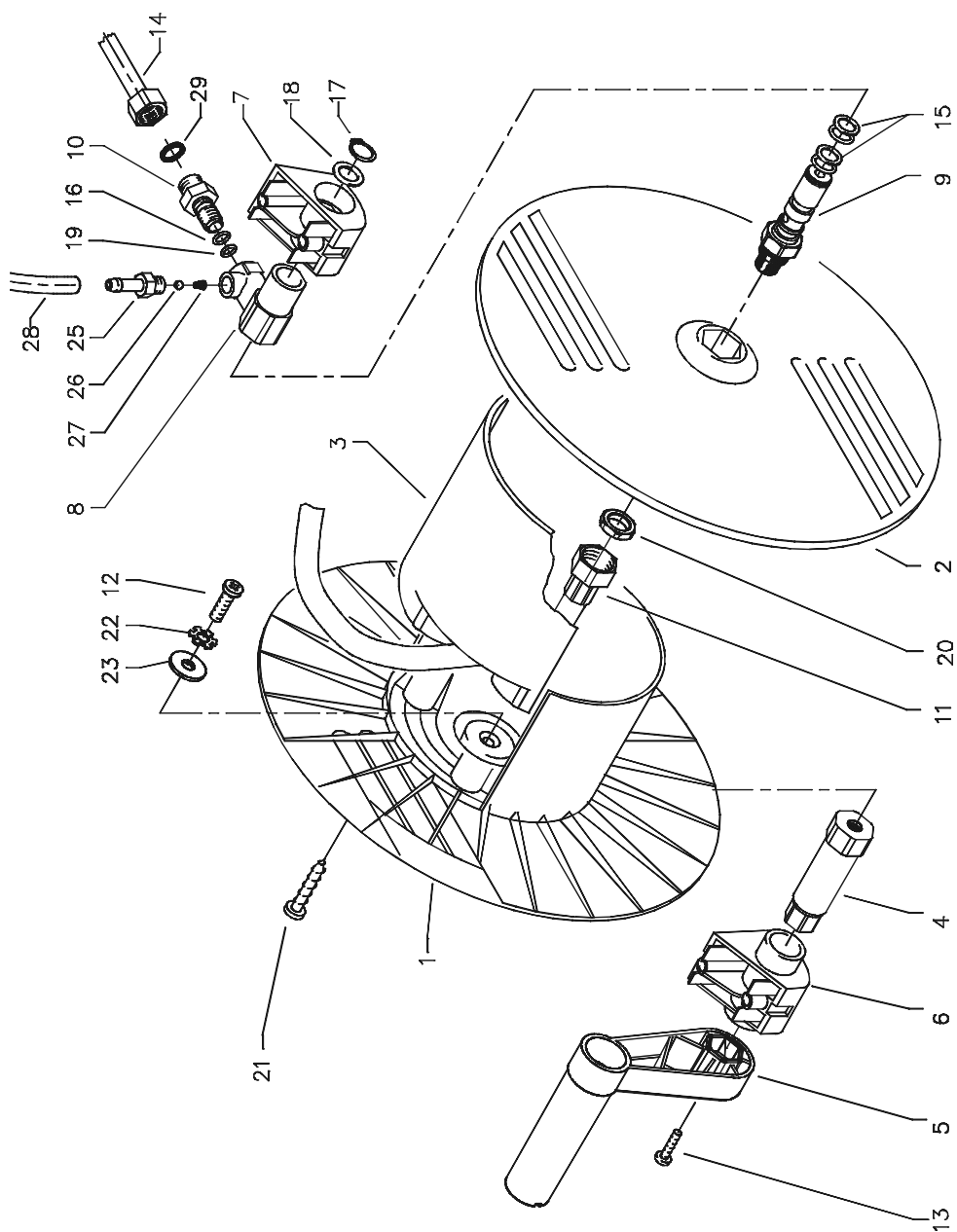


Spare parts list KRÄNZLE 1120 - 1150

Valve housing

No	Description	Qty.	Ord.-No	No	Description	Qty.	Ord.-No
1	Ventilgehäuse	1	44.550	36	Verschlussstopfen 1/4"	1	13.181
2	Ventilstopfen	5	41.011	37	Verschlusssschraube M10x1	2	13.385
3	Ventilstopfen mit R1/4" IG	1	41.011 1	38	O-Ring 6x1,5	2	13.386
4	Ventile (rot)	6	41.612	39	Saugzapfen Schlauchanschluss	1	13.236
5	Dichtstopfen M 8 x 1	1	13.158	40	Edelstahlkugel 5,5 mm	1	13.238
6	Dichtstopfen M 10 x 1	1	43.043	41	Edelstahlfeder	1	13.239
7	O-Ring 12 x 2	15	15.005 1	42	Innensechskantschr. M 8 x 25	2	40.053
8	O-Ring 11 x 1,5	2	12.256	43	Innensechskantschr. M 8 x 40	2	43.059
9	Edelstahlsitz	2	14.118	44	Dichtring Kupfer	1	14.149
10	Sicherungsring	2	13.147	45	Sauganschluss	1	41.016
11	Edelstahlkugel 8,5 mm	1	13.148	46	Wasserfilter	1	41.046 2
11.1	Edelstahlkugel 10,0 mm	1	12.122	48	Gummi Dichtring	1	41.047 1
12	Edelstahlfeder	1	14.119	49	Steckkupplung	1	41.047 2
13	Verschlusssschraube	1	14.113	50	O-Ring	1	41.047 3
14	Steuerkolben 6 mm für AZ	1	43.044	51	Aluminium-Dichtring	2	13.275
15	Parbaks für Kolben 14 mm	1	14.123 1	52	O-Ring 18 x 2	1	43.446
16	Parbaks für Spindel 6 mm	1	14.123 2	54	Parbaks 4 mm	1	12.136 2
17	MS-Scheibe	1	43.045	55	O-Ring 13,94 x 2,62	1	42.167
18	Kolbenführung 6 mm	1	14.130 1	56	Dichtstopfen M 8 x 1	2	13.158
19	Mutter M 6	2	14.127 1	57	Blindverschluss mit Dichtungen	1	44.551
20	Feder schwarz für AZ-Pumpe	1	43.046	58	Parbaks 7 mm	1	15.013
21	Federdruckscheibe	1	43.047				
22	Kugellager	1	43.048		Rep.-kit valves		41.64
23	Handrad M 6 für AZ-Pumpe	1	43.049		6x Pos. 4, 12x Pos. 7		
24	Mutter M 6 mit SW 8	1	43.010		Rep.-kit sleeves		43.060
25	Kappe für Handrad AZ-Pumpe	1	43.050		3x Pos. 28; 3x Pos. 29; 3x Pos. 30, 3x Pos. 32		
26	Manometer	1	15.039		Valve housing compl.		44.533 2
27	Stützring	3	43.091		Pos. 1-25; Pos. 27-43		
28	Gewebemanschette 14x24x5	3	41.613 1		Guide piston with seals		44.532
29	Backring 14 x 24	3	41.614		Pos. 14; Pos. 15		
30	O-Ring 26 x 2	3	43.052		Guide piston with handwheel		44.532 1
31	Leckagering	3	43.053		Pos. 7; Pos. 14-25		
32	Manschette 14 x 20 x 4/2	3	43.054				
33	Zwischenring mit Abstützung	3	43.055				
34	Rückschlagfeder	1	14.120 1				
35	Ausgangsst. Inj. ST30 M22x1,5	1	44.544				
	incl. 7, 2x37, 2x38, 39, 40, 41						

Hose drum



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 Edelstahl	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	Mutter M18 x 1	1	40.185
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

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.

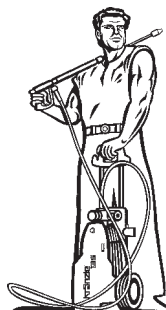
New oil: 0.25 l - Motor oil: W 15/40

Oil leak

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



I. Kränzle GmbH
Elpke 97
33605 Bielefeld



EC declaration of conformity

We hereby declare,
that the high-pressure models:

Kränzle 1120 - 1150
Kränzle 1120 T - 1150 T

(techn. documentation available from):

Manfred Bauer, Fa. Josef Kränzle
Rudolf-Diesel-Str. 20, 89257 Illertissen

comply with the following guidelines and
specifications and their amendments for
high-pressure cleaners:

Machine guideline 2006/42/EEC
Specification for electromagnetic
compatibility 2004/108/EEC
Outdoor noise directive 2005/88/EC,
Art. 13, High-pressure water jet machines
Appendix 3, part B, chapter 27

Sound power level measured:
 guaranteed:

91 dB (A)
93 dB (A)

Applied conformity evaluation
procedures

Annex V, noise directive 2005/88/EC

Applied specifications and
standards:

EN 60 335-2-79 :2009
EN 55 014-1 :2006
EN 61 000-3-2 :2006
EN 61 000-3-3 :2008

Bielefeld, den 21.12.09

Droitsch
(Managing Director)

Guarantee

The guarantee is only valid for material and manufacturing errors. Wearing does not fall within this guarantee.

The instructions in our operating manual must be complied with. The operating instructions form part of the guarantee. The Guarantee is void if other parts are used than genuine Kränzle accessory parts or genuine Kränzle spare parts.

For high-pressure cleaners sold to the user the guarantee period is 24 month.

For high-pressure cleaners sold for industrial use the guarantee period is 12 month. In the case of a guarantee please contact your dealer or authorized seller delivering accessories and your purchase receipt. You can find them in the internet under www.kraenzle.com.

The guarantee is also void if the machine is used with exceeding the temperature and speed limits, a voltage below the required rating, with less than the required amount of water or with dirty water. Pressure gauge, nozzle, valves, sleeves, high pressure hose and spray equipment are wear parts and are not covered by the warranty.

Notes

Notes



Reprint only allowed with the authorization of **kränzle**

As date of 03.02.2010