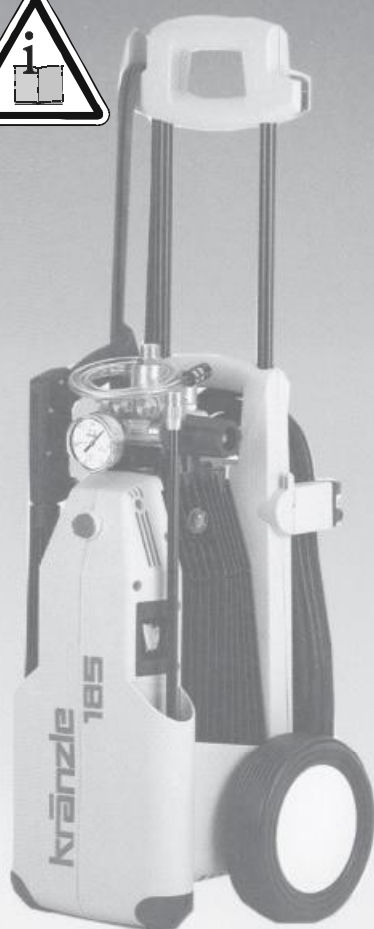


kränzle®

GB

High Pressure Cleaners



K 115
K 125
K 135
K 155



Funkschutz

DIN EN
ISO 9001



made
in
Germany



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.

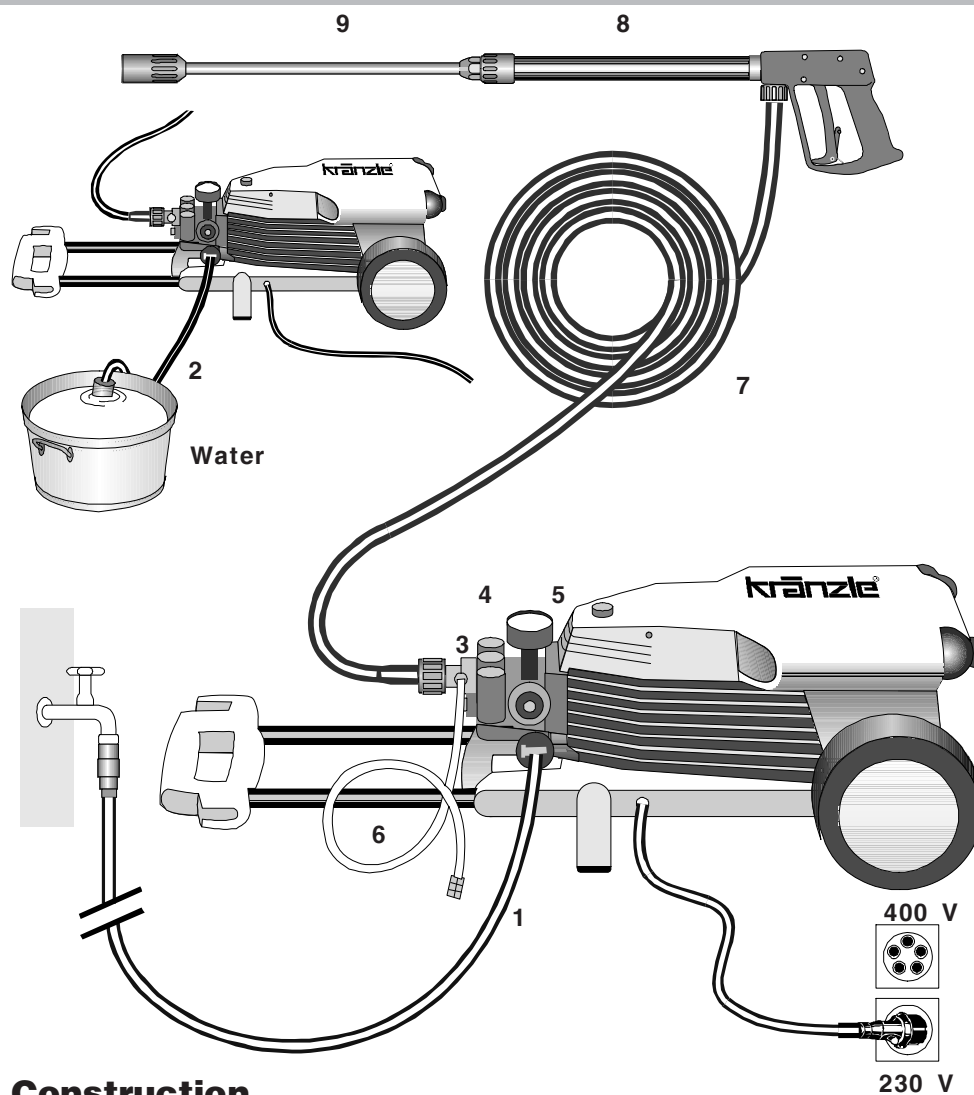
The equipment will assist you professionally in all cleaning tasks, e.g.:

- facades
- flagstones
- terraces
- vehicles of all types
- sheds
- channels
- barrels and containers
- machines etc.

Technical specifications	Kränzle 115	Kränzle 125	Kränzle 135	Kränzle 155
Operating pressure, steplessly adjust.	10 - 115 bar	10 - 125 bar	10 - 135 bar	10 - 155 bar
Perm. overpressure	130 bar	140 bar	150 bar	170 bar
* Water output	at 1400 rpm 10,3 l/min	at 1400 rpm 10,5 l/min	at 1400 rpm 11,0 l/min	at 1400 rpm 12 l/min
Hot water input	max. 60 °C	max. 60 °C	max. 60 °C	max. 60 °C
Suction height	2,5 m	2,5 m	2,5 m	2,5 m
High pressure hose	10 m	10 m	10 m	10 m
Electrical ratings	230 V ; 50 Hz ; 11 A	230 V ; 50 Hz ; 12,5 A	230 V ; 50 Hz ; 13,5 A	400 V ; 50 Hz ; 6,7 A
Connect. wattage input output	P1: 2,6 kW P2: 1,9 kW	P1: 2,9 kW P2: 2,2 kW	P1: 3,3 kW P2: 2,4 kW	P1: 4,1 kW P2: 3,1 kW
Weight	32 kg	32 kg	32 kg	32 kg
Dim. with mounted handle in mm	350 x 330 x 900	350 x 330 x 900	350 x 330 x 900	350 x 330 x 900
Sound level acc. to 45635 with dirtkiller	78 dB (A) 82 dB (A)	78 dB (A) 82 dB (A)	78 dB (A) 82 dB (A)	78 dB (A) 82 dB (A)
Guaranteed sound level L _{WA}	89 dB (A)	89 dB (A)	91 dB (A)	91 dB (A)
Recoil at lance	ca. 20 N	ca. 22 N	ca. 25 N	ca. 27 N
Vibrations at lance	2,0 m/s ²	2,0 m/s ²	2,0 m/s ²	2,1 m/s ²
Ord.-No	41.204	41.200	41.201	41.202
with dirtkiller	41.204 1	41.200 1	41.201 1	41.202 1

Permissible tolerance for figures ± 5 % in acc. with VDMA uniform sheet 24411
Min. water quantity to be supplied to the high pressure cleaner! (1 - 8 bar admission pressure) (see page 7)

Description



Construction

The KRÄNZLE 115 + 125 + 135 + 155 - 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 Interch. lance with regulator 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.



Cleaning and caring agents can be mixed with the water by a high pressure injector.

Environmental, refuse disposal and water protection regulations must be observed !

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

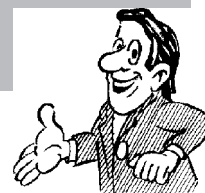
The unloader valve - safety valve protects the machine from a build up of excess pressure, and is designed not to permit an excess pressure to be selected for operation. The limit nut on the handle is sealed with a spray coating

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.

Description



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 !



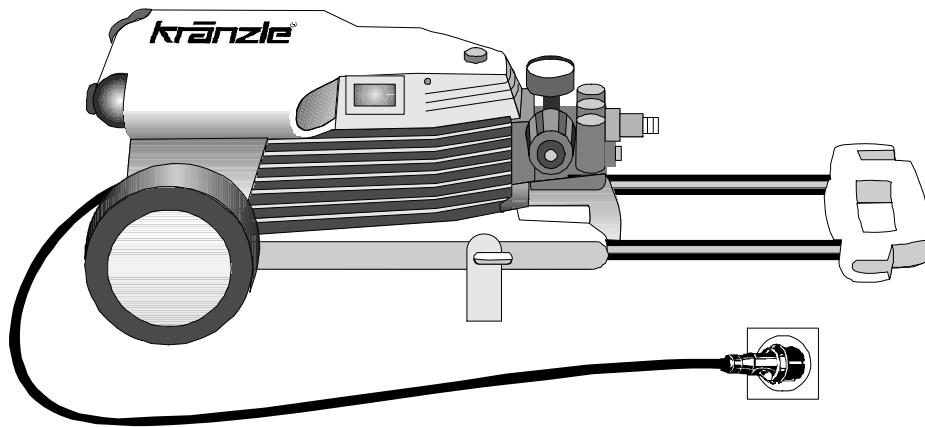
Never use liquid containing solvents such as paint thinners, petrol, oil or similar liquid matter. **Pay attention to the instructions of the manufacturers of the cleaning agents.** The seals in the machine are not resistant to solvents. The spray of solvents is inflammable, explosive and poisonous.

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 115, 125, and 135 - 230 Volt 50 Hz
KRÄNZLE 155 - 400 Volt 50 Hz (phase-sequence not significant)

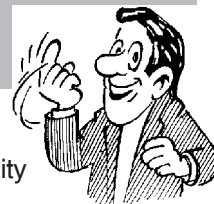
When using an extension cable, this must have an earthed lead which is properly connected to the socket. The conductors in the extension cable must have a minimum cross section of 1.5 mm². Plug connections must be of a spray-proof design, and may not be located on a wet floor.
(with extension cables 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.

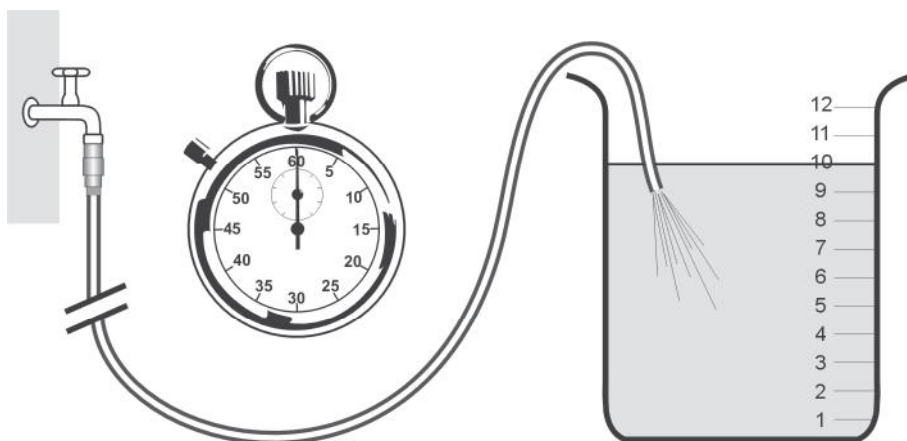
When using a cable drum, always keep the cable wound as far as possible.

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

are fitted to the machine. Numbers 1-6.

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

1. Connect the high pressure hose with spray gun and machine.
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 - (KRÄNZLE 115, 125 + 135 230 Volt A.C., KRÄNZLE 155 400 Volt three-phase current).
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 pressure hoses).

-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.

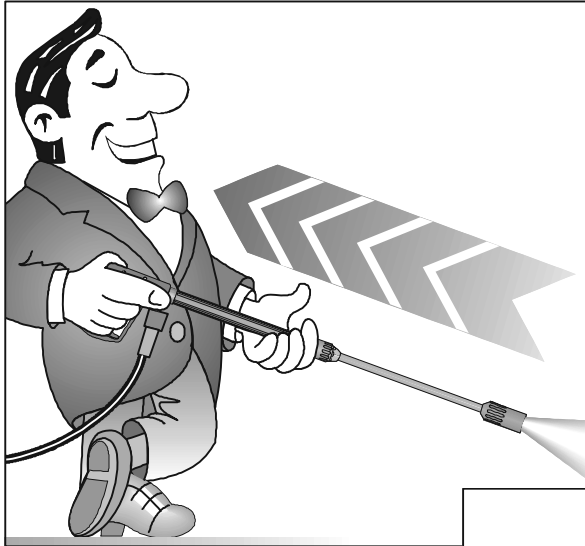
High pressure hose and spray device

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.



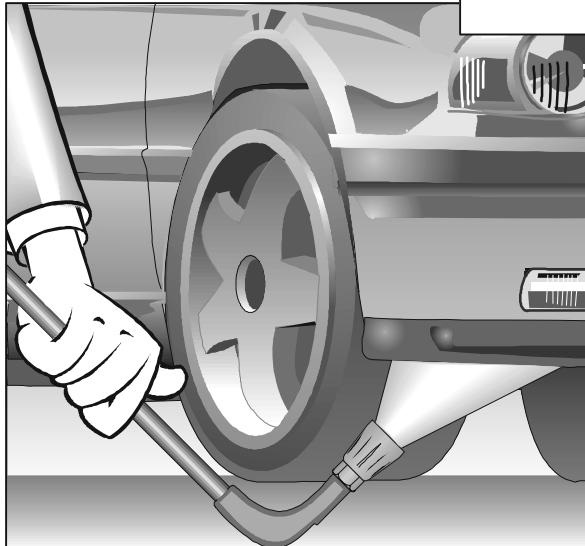
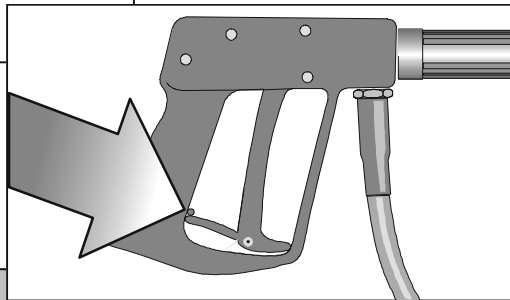
If replacement parts are required, only such parts that are authorized by the manufacturer and which bear the markings required by the appropriate regulations may be used. The high pressure hose and spray device must be connected in a pressure-tight manner. The high pressure hose may not be driven over, 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 uninten-
tional spraying!**



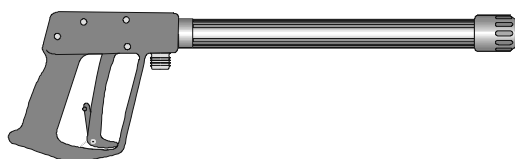
**Always aim the
underbody lance. Note
when using an angled
underbody lance, like
for example lance No.
41075, that there is a
certain amount of
torque in the recoil.**

**(K115: 22 Nm
K125: 24 Nm
K135: 26 Nm
K155: 27 Nm)**

This is what you've purchased:

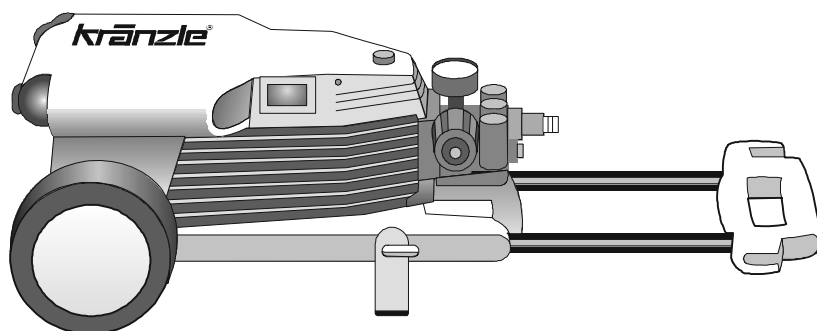


1. Spray lance with regulator and high pressure nozzle, flat spray 25045

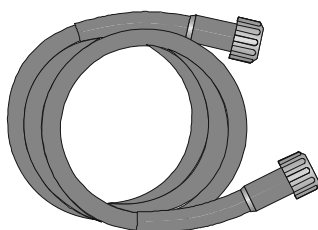


2. Spray gun with insulated pistol grip and screw connection

3. KRÄNZLE - High pressure cleaners 115, 125, 135 or 155



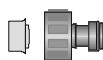
4. High pressure hose 10 m with steel reinforcement NW 6.



5. Operating instructions



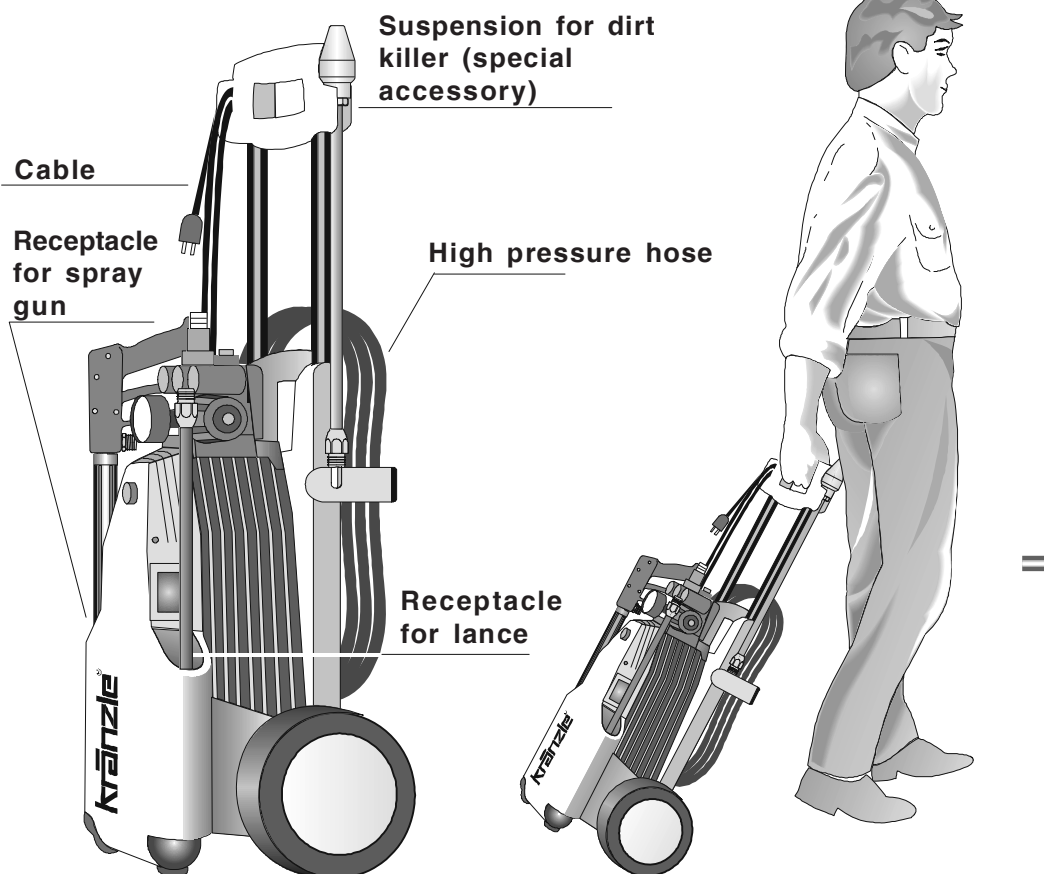
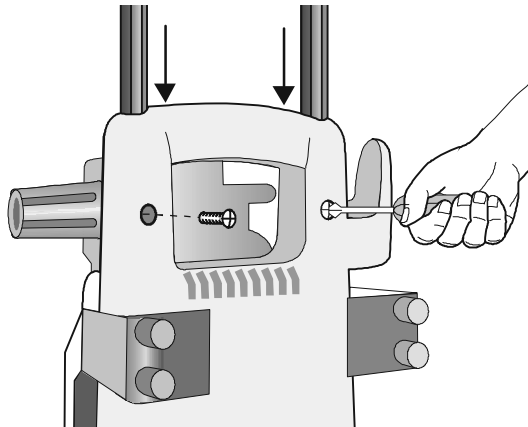
6. Water inlet components



Filter already mounted

How to assemble and furnish your high pressure cleaner

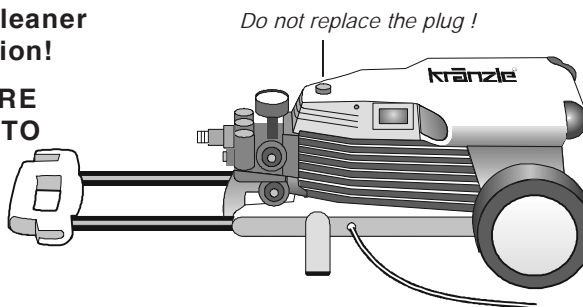
Put high Pressure cleaner into upright position. Insert handle from above and fasten with 2 screws from underneath.



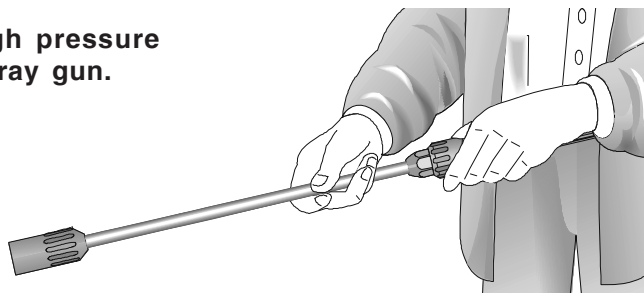
Preparation for use

1. Put high pressure cleaner into horizontal position!

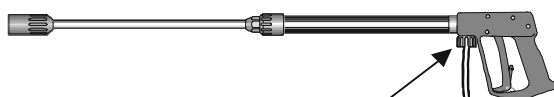
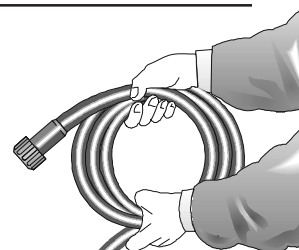
THE HIGH PRESSURE CLEANER IS ONLY TO BE OPERATED IN HORIZONTAL POSITION !



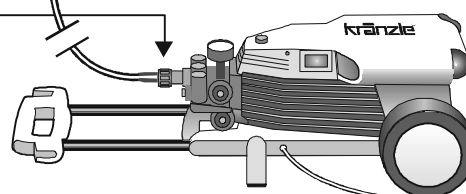
2. Connect the high pressure lance to the spray gun.



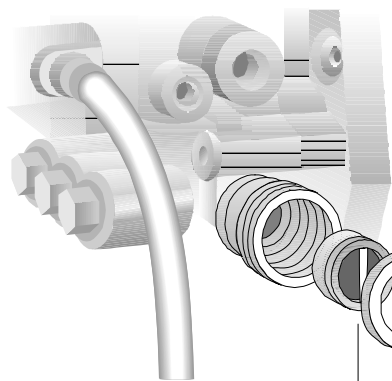
3. Unwind the high pressure hose without leaving kinks or "nooses" and connect it to the spray gun and pump. When using extension hoses, use max. 20 m high pressure hose, or 2 x 10 m with hose connectors.



High pressure hose connected from the machine to the lance.



Preparation for use



4. The machine can be connected to a pressurised water line with cold or 60°C hot water (see page 2).

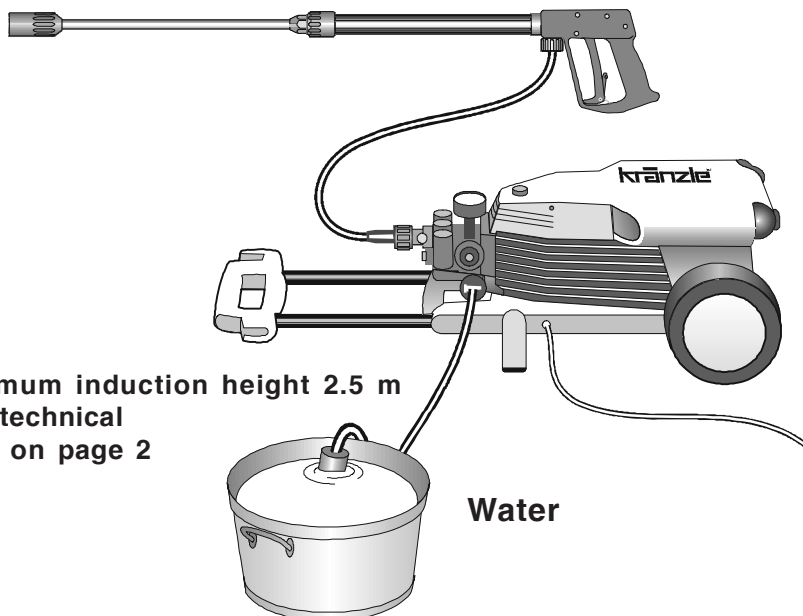
Ensure that the water supply is clean when sucking from external sources. The hose cross section must be at least $1/2'' = 12.7 \text{ mm}$ (free passage). Filter 1 must always be clean.

Please make sure that the filter 1 is clean before using your high pressure cleaner.

CAUTION !



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



5. Maximum induction height 2.5 m
see technical
data on page 2

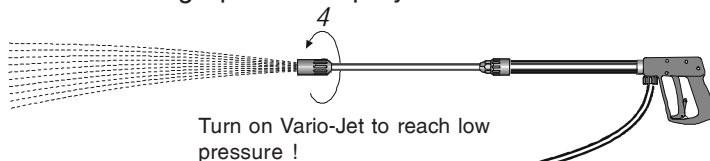
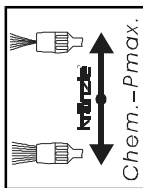
Preparation for use

Adjusting the pressure

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

When using cleansing agents:

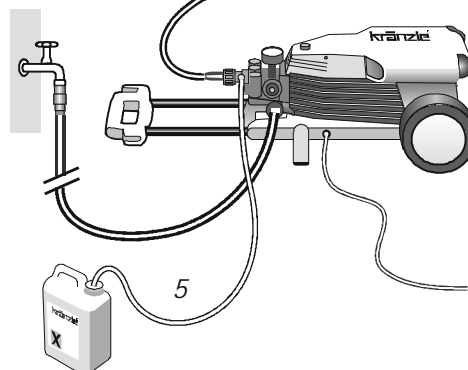
Unwind HP-hose completely. Place chemical filter no. 5 in the reservoir with the cleansing agent. Turn on Vario-Jet No.4 to enable the injector to induct the cleansing agent. By turning back the Vario-Jet nozzle, the supply of chemical is automatically cut off. Allow the cleansing agent to take effect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



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



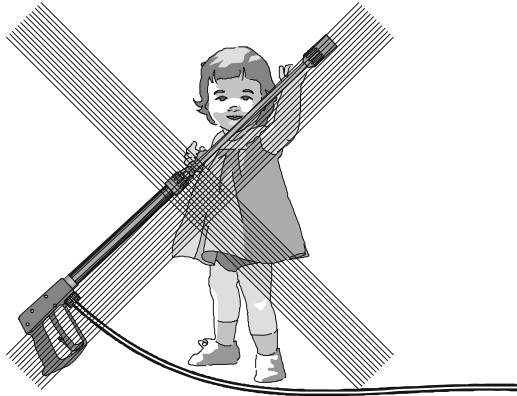
Note that you must always comply with the instructions provided by the manufacturer of the cleansing agent (e.g. instructions concerning safety clothing) and the water protection regulations!



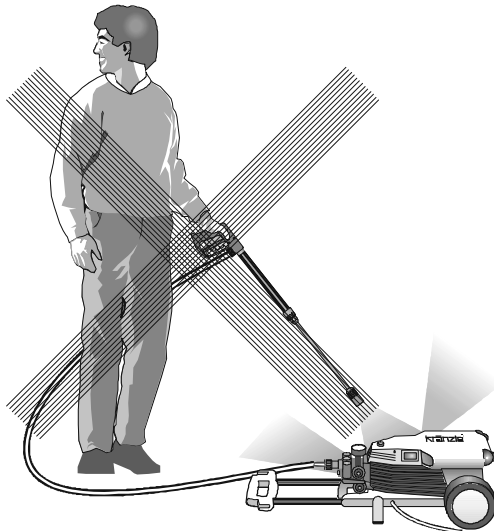
To shut down the pump:

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.

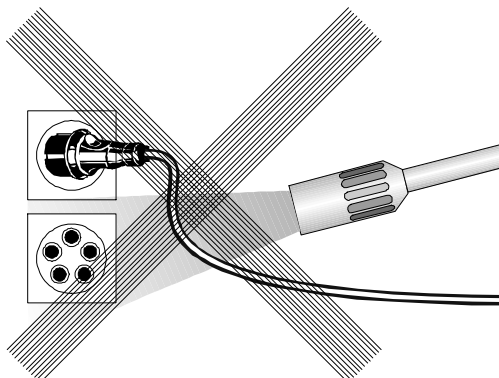
This is prohibited !



**Never allow
children to use the
high pressure cleaner !**

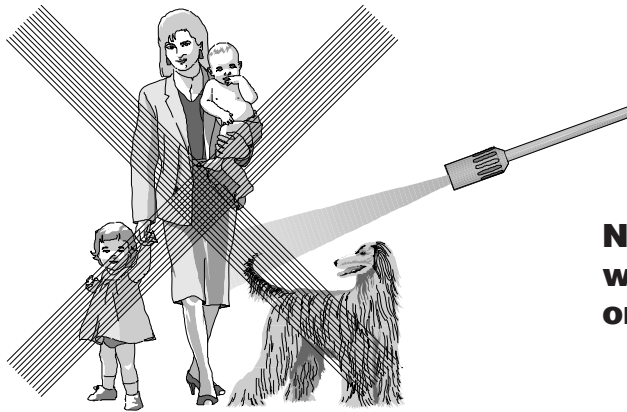


**Never direct the
water jet at the
machine itself !**

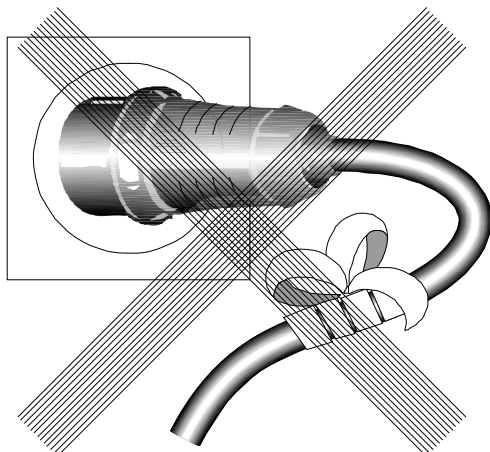


**Never direct the
water jet at a
power socket !**

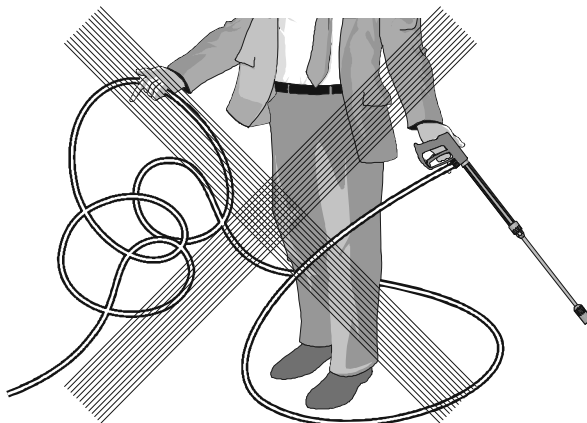
This is prohibited !



**Never direct the
water jet at people
or animals !**

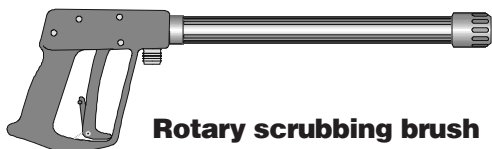


**Do not damage the
power cord or repair
it incorrectly !**



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

Additional KRÄNZLE-accessories for ...

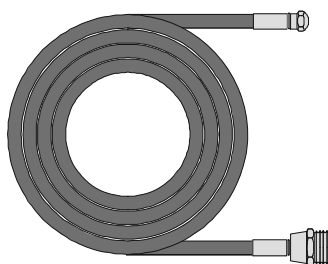


Rotary scrubbing brush
Order No. 41050 1

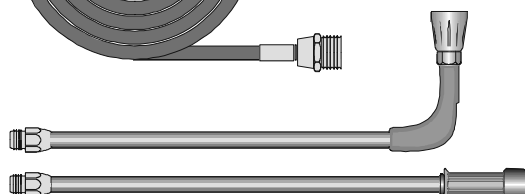


Drain and pipe cleaning hose

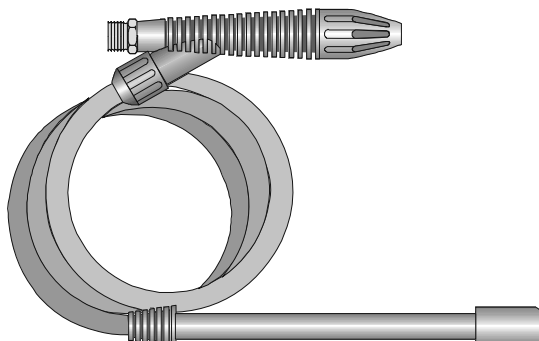
8 m - Order No. 41051
15 m - Order No. 41058



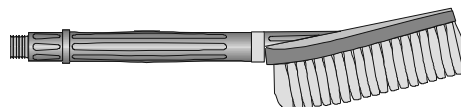
Underbody lance, new
Order No. 41075 1



Sandblaster
Order No. 41068 1



Flat brush
Order No. 41073

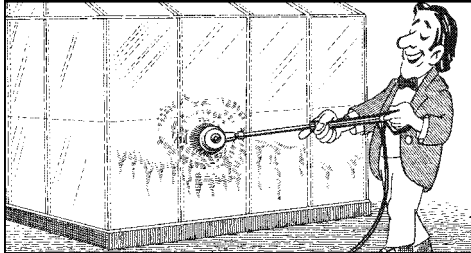


Dirtkiller
Order No. 41072 5

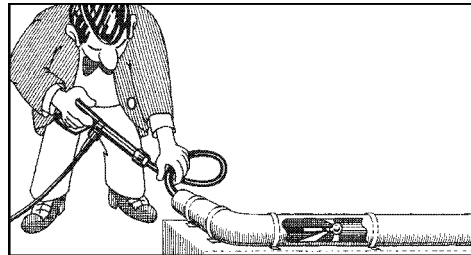


Environmental, refuse disposal and water protection regulations must be observed when using the accessories!

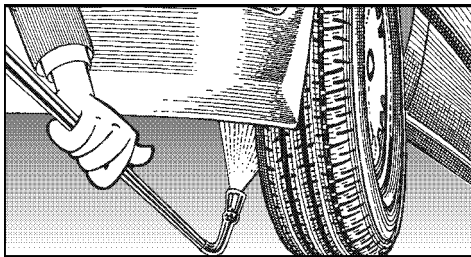
... for further combination possibilities



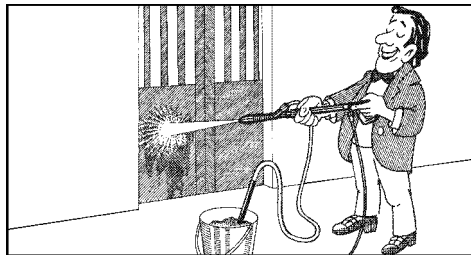
Car cleaning, glass, caravan, boat etc.
rotary washing brush with 40 cm extension and ST 30 nipple M 22 x 1,5



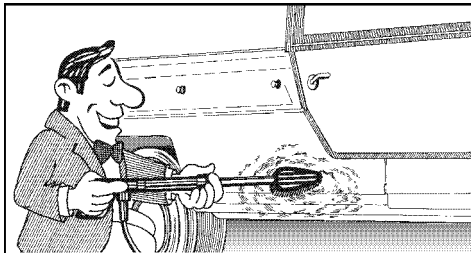
Cleaning pipes, channels and drains:
pipe cleaning hose with KN nozzle and ST 30 nipple M 22 x 1,5



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.(see page 9)



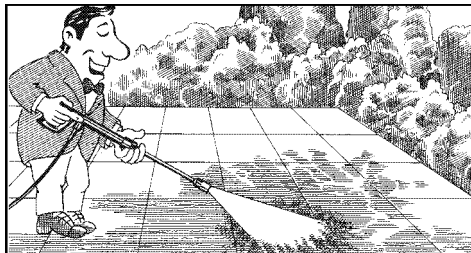
Blasting old paint, rust and facades: sandblasting injector with suction lance, 3 m PVC hose and ST 30 nipple.



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!

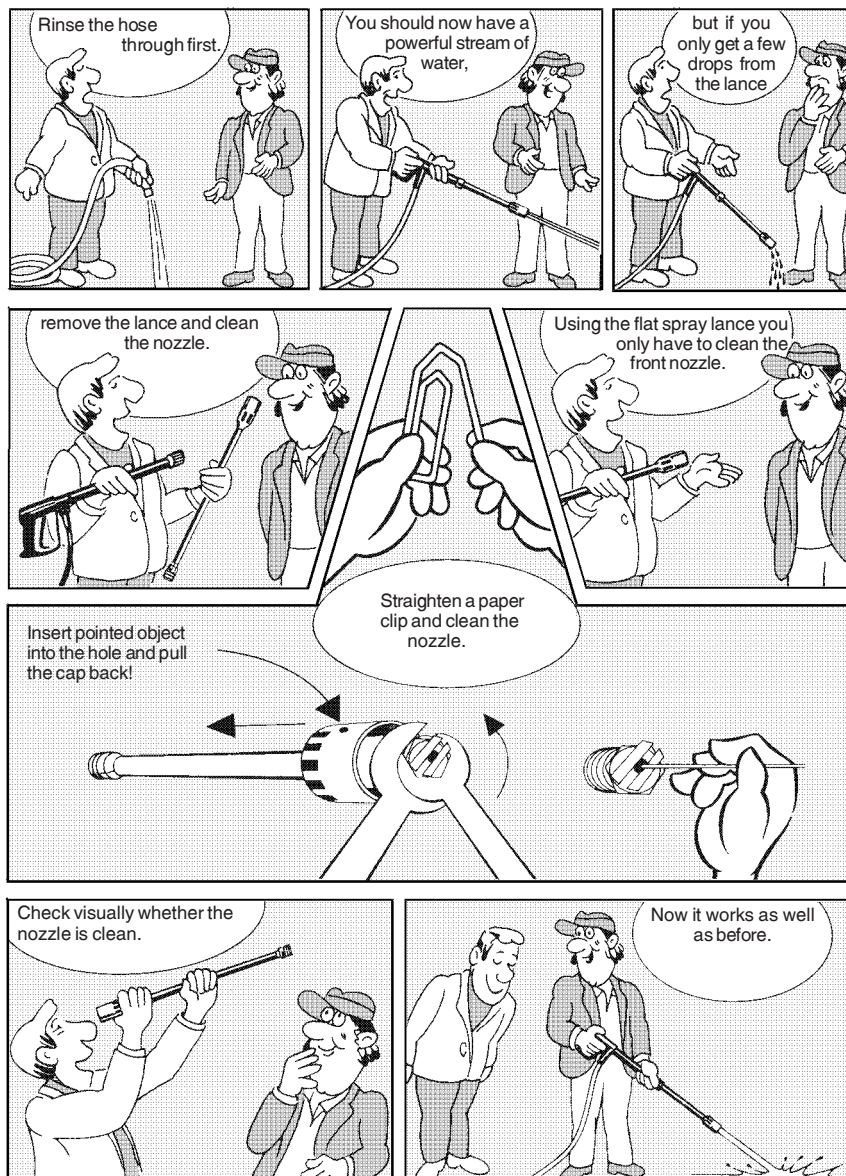
- The pressure gauge shows a 10% higher pressure than the working pres



Small repairs -

The nozzle is blocked!

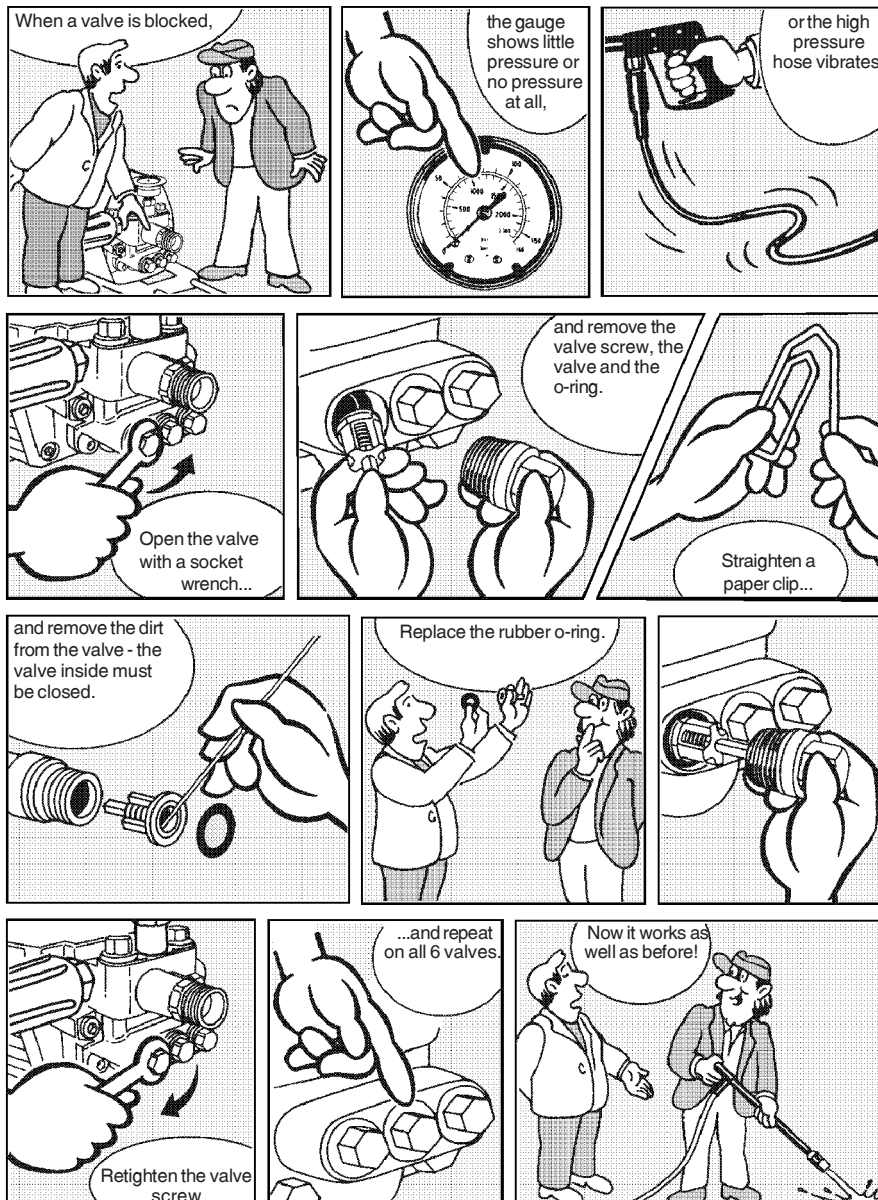
- No water but the gauge shows full pressure !



- Do it yourself!

Nozzle dirty or sticky!

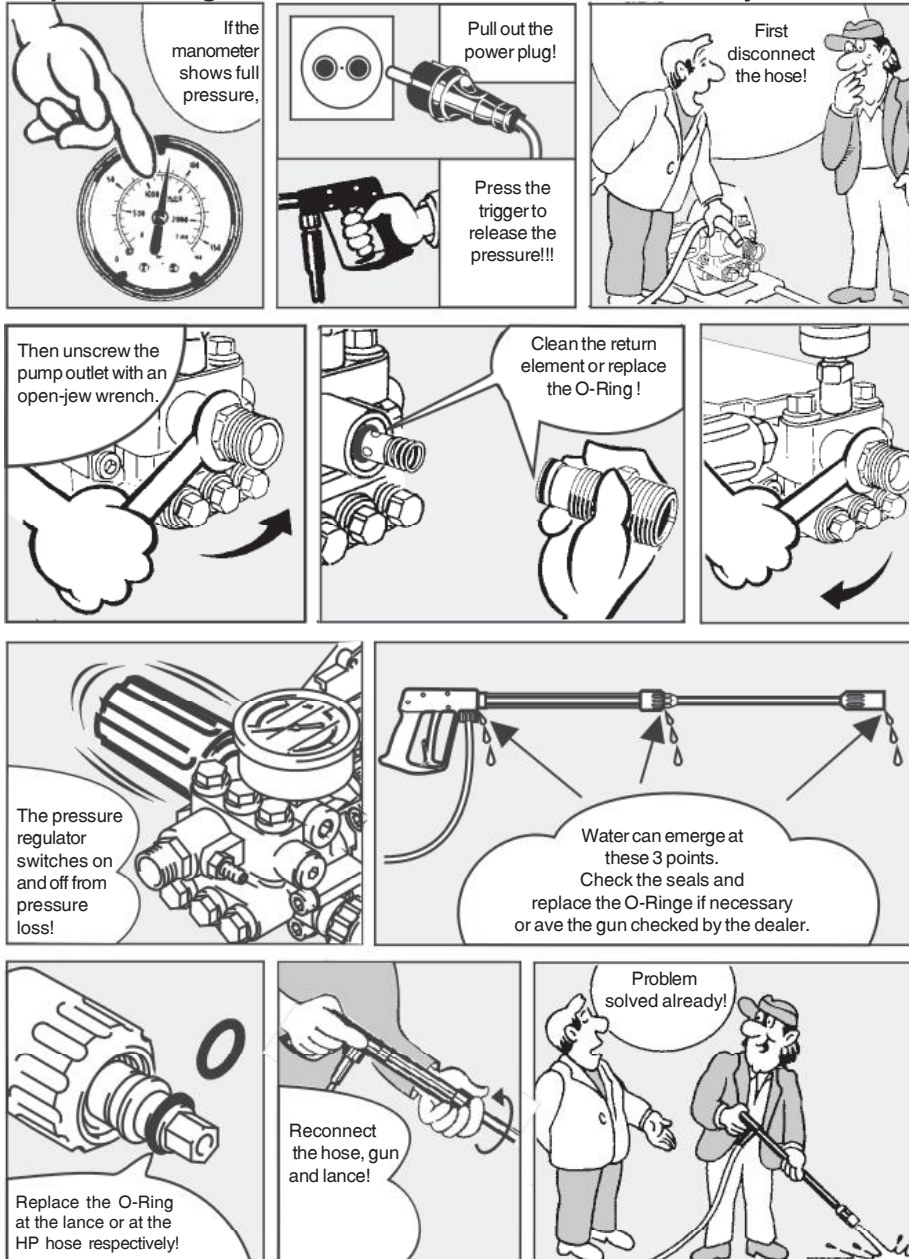
- Pressure gauge does not show full pressure.
- The high-pressure hose vibrates.
- Water comes out in spurts.
- If you do not use the high-pressure cleaner for some time the valves can stick



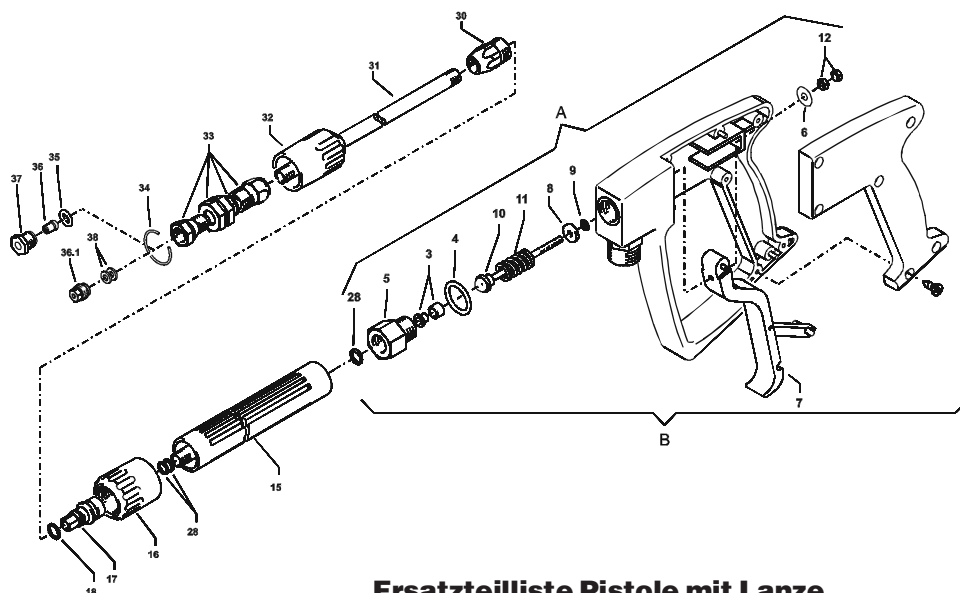
Small repairs - Do it yourself!

Stopping leaks from hose or gun

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



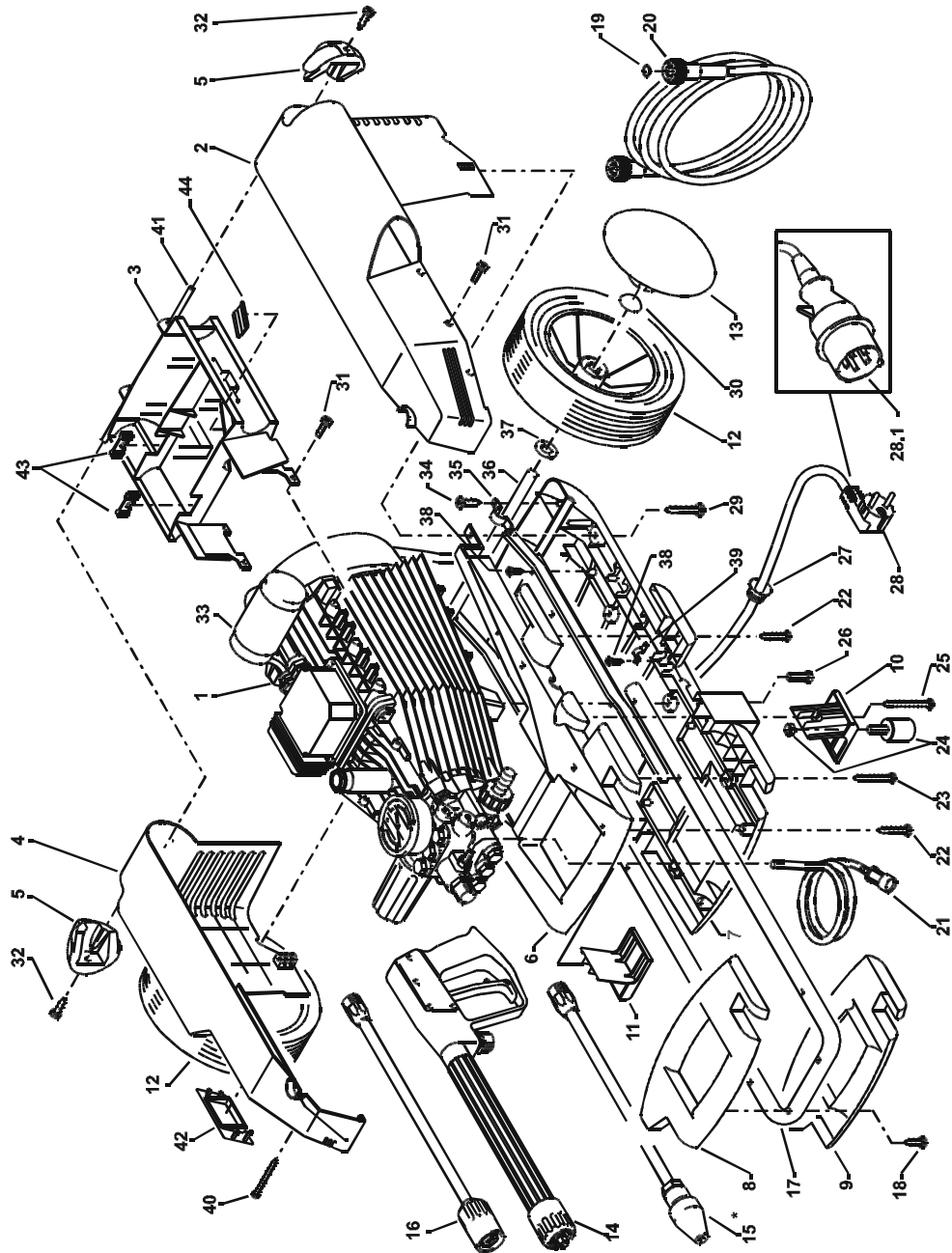
Trigger gun with lance



Ersatzteilliste Pistole mit Lanze

No	Description	Qty.	Ord.-No
5	Rohranschlusssteil 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
12	Mutter M4	2	12.138
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
28	Aluminium Dichtring	6	13.275 1
30	ST 30-Nippel M 22 x 1,5 AG / M 12 x 1	1	13.363
31	Rohr 400 lang, bds. M12 x 1	1	41.527
32	Kunststoff-Hülse	1	13.202
33	Regeldüse ohne Hülse	1	43.439
34	Sprengring	1	43.441
35	O-Ring 6,0 x 3,0	1	14.121
36	HD-Düse MX20042	1	MX20042
36.1	HD-Düse M20030	1	M20030
37	Düsenhalter	1	26.004
A	Rep.-Kit Pos: 3, 4, 5, 6, 8, 9, 10, 11, 12; 28		12.158
B	Griff komplett		12.164
	Midi-Gun		12.160
	Lance compl. with regulator nozzle 042		12.700-MX20042

Complete assembly

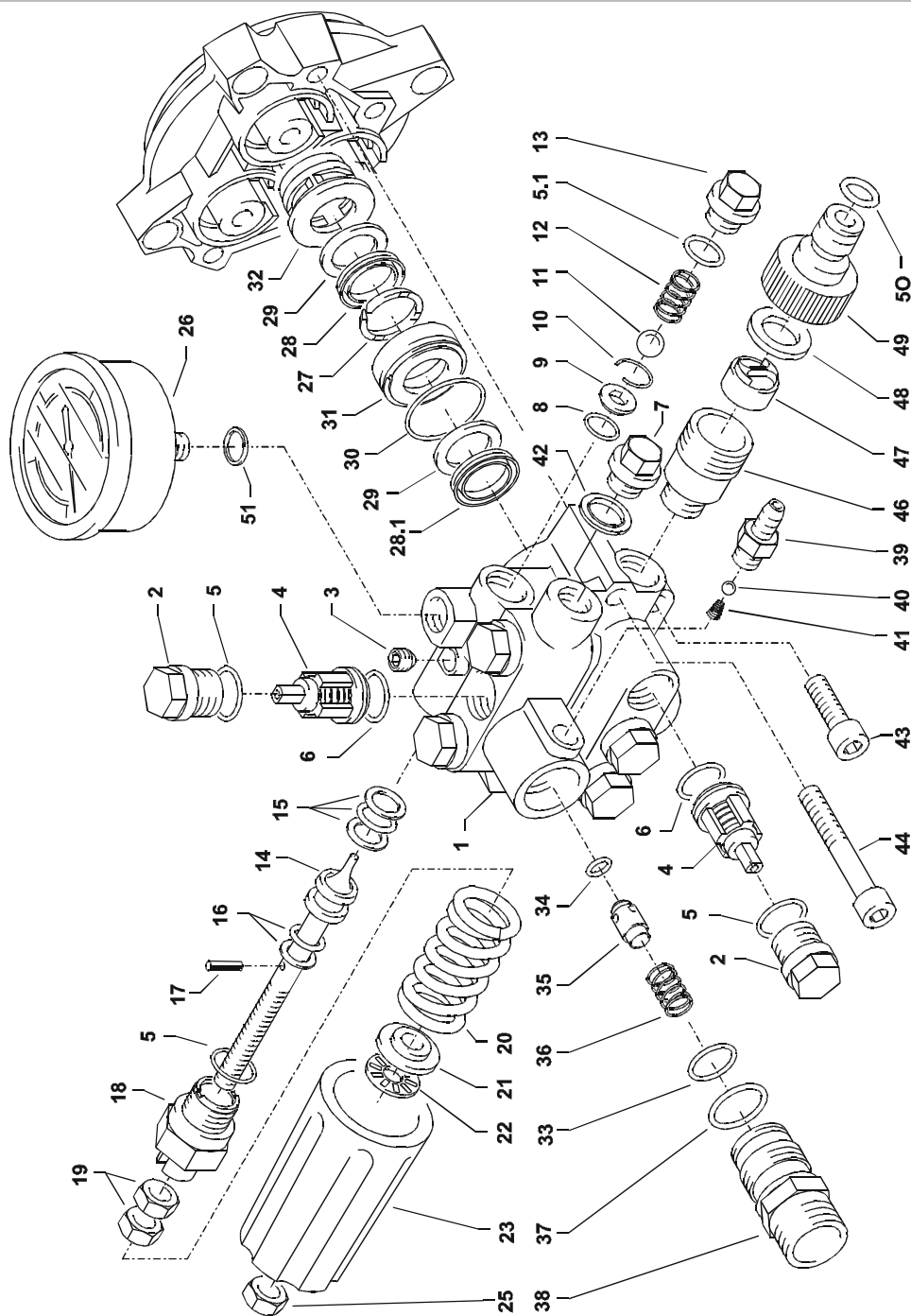


KRÄNZLE 115 / 125 / 135 / 155

Spare parts list KRÄNZLE 115 / 125 / 135 / 155 Complete assembly

No	Description	Qty.	Ord.-No
18	Kunststoffschraube 3,5 x 20	5	43.415
19	O-Ring 9,3 x 2,4	2	13.273
20	HD-Schlauch NW 6 10 m 210 bar	1	43.416
21	Chemikaliensaugschlauch mit Filter	1	15.038
22	Kunststoffschraube 4,0 x 16	5	43.417
23	Kunststoffschraube 5,0 x 30	2	43.418
24	Gummidämpfer	4	43.419
25	Kunststoffschraube 4,0 x 60	2	43.420
26	Schraube M 6 x 12	4	43.421
27	Knickschutztülle	1	43.422
28	Kabel mit Stecker (Wechselstrom)		
28.1	für Kränzle 115 / 125 / 135	1	41.092
	Kabel mit Stecker (Drehstrom)		
	für Kränzle 155	1	41.092 1
29	Kunststoffschraube 6,0 x 30	2	43.423
30	Starlock-Kappe Durchmesser 12	2	43.424
31	Schraube M 5 x 10	8	43.021
32	Kunststoffschraube	2	43.425
33	Schaumstoffrohr für Kondensator	1	41.418
34	Kunststoffschraube 5,0 x 14	4	43.426
35	Haltebügel	2	43.427
36	Bodenblech mit Motorachse	1	43.428
37	Kunststoffscheibe 12,5 mm	2	43.429
38	Kunststoffschraube 3,5 x 8	8	43.430
39	Kabelklemme	2	43.431
40	Kunststoffschraube 5,0 x 80	2	43.432
41	Kunststoffschraube 5,0 x 120	1	43.309
42	Schalterblende	1	43.433
43	Kabelführung	2	43.061
44	Kabelaufklammer	1	43.062

Valve housing 18 mm

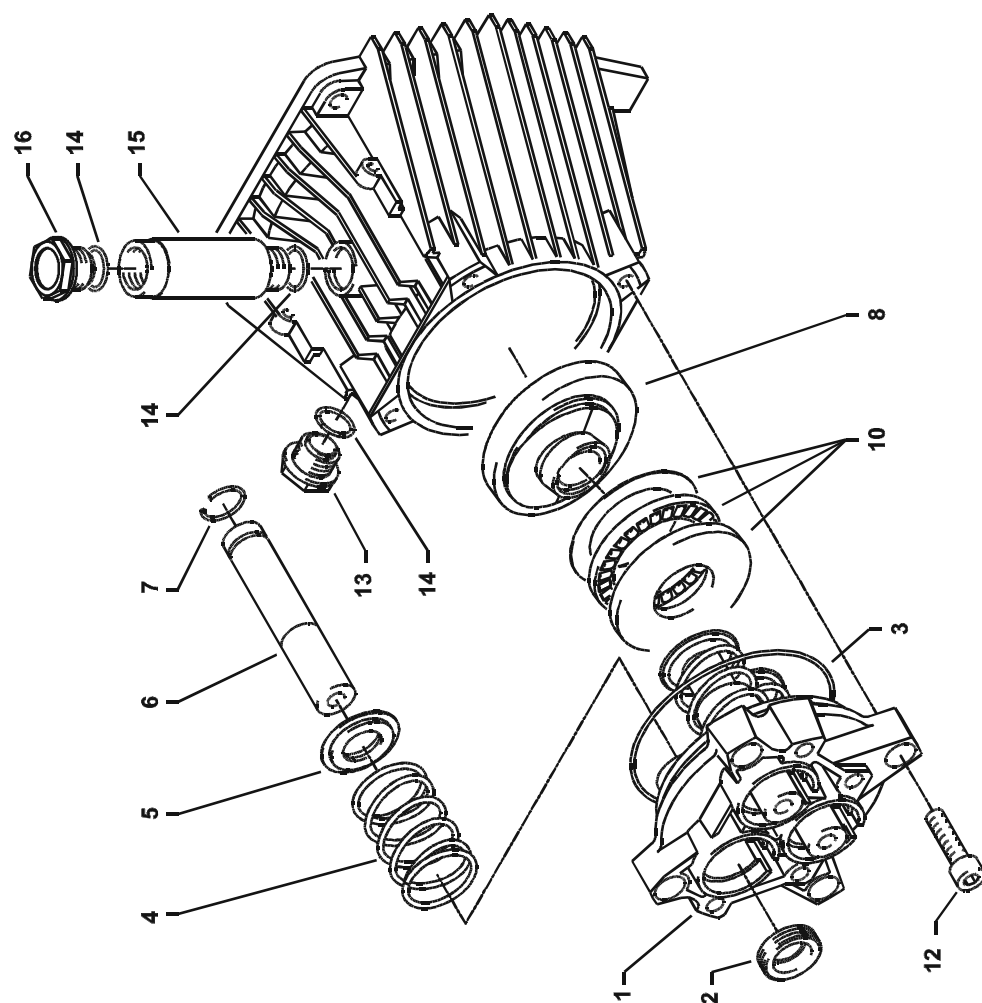


KRÄNZLE 115 / 125 / 135 / 155

Spare parts list KRÄNZLE 115 / 125 / 135 / 155 Valve housing APG for plunger diameter 18 mm

No	Description	Qty.	Ord.-No
1	Ventilgehäuse 1 43.435		
2	Ventilstopfen 6 41.714		
3	Dichtstopfen M 10 x 1 1 43.043		
4	Ventile (grün) für APG-Pumpe 6 41.715 1		
5	O-Ring 16 x 2 7 13.150		
5.1	O-Ring 13,94 x 2,62 1 42.167		
6	O-Ring 15 x 2 6 41.716		
7	Dichtstopfen R1/4" mit Bund 1 42.103		
8	O-Ring 11 x 1,44 1 12.256		
9	Edelstahlsitz 1 14.118		
10	Sicherungsring 1 13.147		
11	Edelstahlkugel 8,5 mm 1 13.148		
12	Edelstahlfeder 1 14.119		
13	Verschlusssschraube 1 14.113		
14	Steuerkolben 1 14.134		
15	Parbaks 16 mm 1 13.159		
16	Parbaks 8 mm 1 14.123		
17	Spannstift 1 14.148		
18	Kolbenführung spezial 1 42.105		
19	Mutter M 8 x 1 2 14.144		
20	Ventilfeder schwarz 1 14.125		
21	Federdruckscheibe 1 14.126		
22	Nadellager 1 14.146		
23	Handrad 1 14.147		
25	Elastic-Stop-Mutter 1 14.152		
26	Manometer 0-250 bar 1 15.039		
27	Druckring 3 41.018		
28	Manschette 18 x 26 x 4/2 3 41.013		
28.1	Gewebemanschette 18 x 26 x 4/2 3 41.013 1		
29	Backring 18 x 26 6 41.014		
30	O-Ring 28,3 x 1,78 3 40.026		
31	Leckagering 18 mm 3 41.066		
32	Zwischenring 18 mm 3 41.015 2		
33	O-Ring 15 x 1,5 1 42.104		
34	O-Ring 6 x 3 1 14.121		
35	Rückschlagkörper 1 14.122		
36	Rückschlagfeder 1 14.120		
37	O-Ring 18 x 2 1 43.446		
38	Ausgangsstück Injektor ST30 M22x1,5 1 43.447		
39	Saugzapfen Schlauchanschluss 1 13.236		
40	Edelstahlkugel 5,5 mm 1 13.238		
41	Edelstahlfeder 1 13.239		
42	Kupferring 1 42.104		
43	Innensechskantschraube M 8 x 30 2 41.036 1		
44	Innensechskantschraube M 8 x 55 2 41.017 1		
46	Sauganschluss 1 41.016		
47	Wasserfilter 1 41.046 2		
48	Gummi Dichttring 1 41.047 1		
49	Steckkupplung 1 41.047 2		
50	O-Ring 1 41.047 3		
51	Aluminium-Dichtring g 2 13.275		
Rep.-kit valves for APG-pump 41.748 1			
consisting of: 6x Pos. 4; 6x Pos. 5; 6x Pos. 6			
Rep.-kit sleeves 18 mm 41.049 1			
consisting of: 3x Pos. 27; 3x Pos. 28; 3x Pos. 28.1; 6x Pos. 29; 3x Pos. 30			
Valve housing compl. 43.442			
with integr. ULH			
Guide piston compl. with handwheel 43.444			

Transmission unit 18 mm

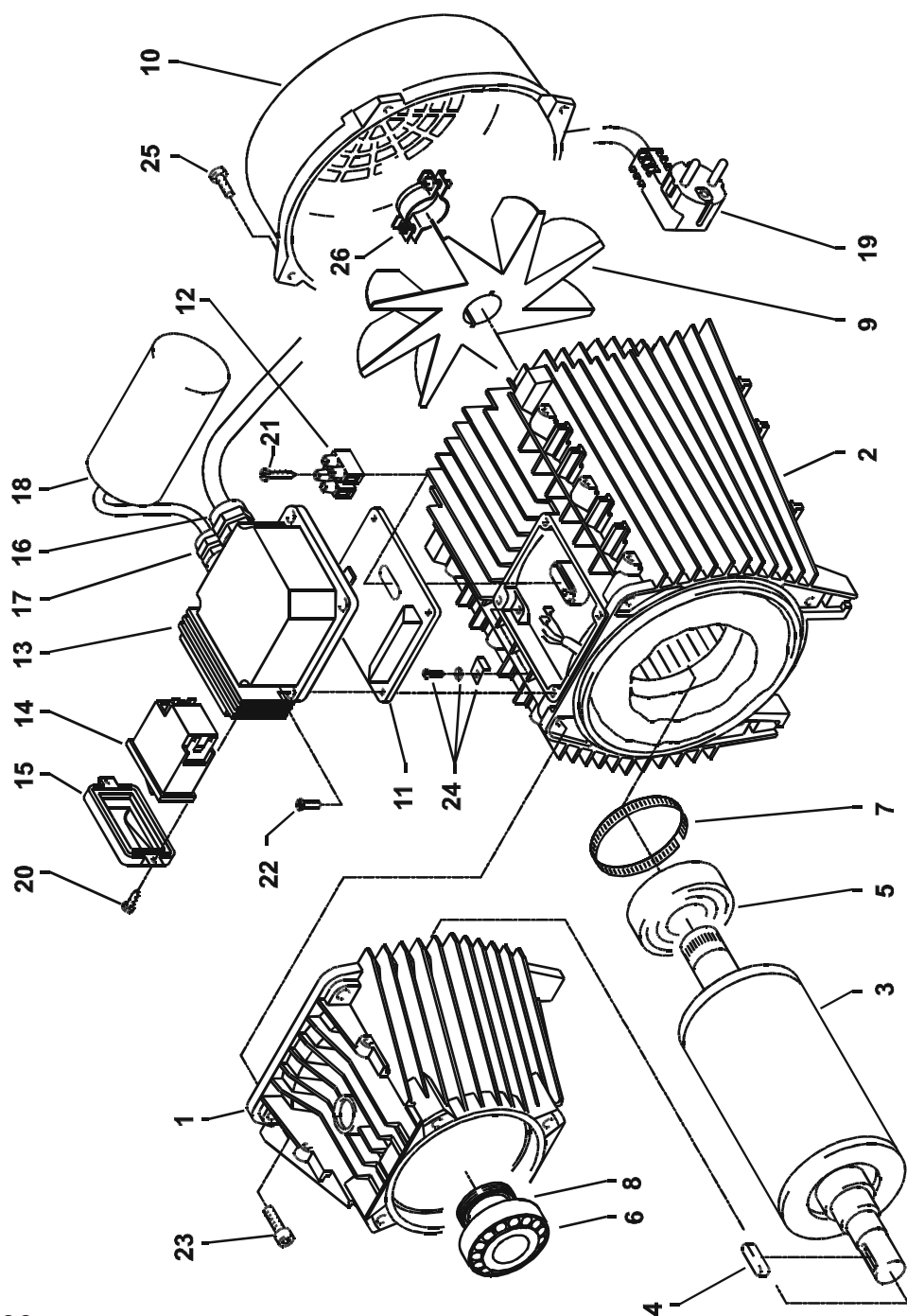


KRÄNZLE 115 / 125 / 135 / 155

Spare parts list KRÄNZLE 115 / 125 / 135 / 155 Transmission unit for plunger diameter 18 mm

No	Description	Qty.	Ord.-No
1	Gehäuseplatte für 18 mm Plun	ger 141.020 2	
2	Öldichtung 18 x 28 x 7 3 41.031		
3	O-Ring Viton 88 x 2 1 41.021 1		
4	Plungerfeder 3 41.033		
5	Federdruckscheibe 18 mm 3 41.034		
6	Plunger 18 mm 3 41.032 1		
7	Sprengtring 18 mm 3 41.035		
8	Taumscheibe 11,0		
	bei Kränzle 115 Wechselstrom 1 46.542-11,0		
8	Taumscheibe 11,5		
	bei Kränzle 125 Wechselstrom 1 46.542-11,5		
8	Taumscheibe 12,0		
	bei Kränzle 135 Wechselstrom 1 46.542-12,0		
8	Taumscheibe 13,0		
	bei Kränzle 155 Drehstrom 1 46.542-13,0		
	bitte Taumelwinkel jeweils mit angeben		
10	Axial-Rollenlager 3-teilig 1 46.543		
12	Innensechskantschraube M 8 x 30 4 41.036 1		
13	Ölschauglas 1 42.018 1		
14	O-Ring 14 x 2 3 43.445		
15	Öleinfüll-Stutzen 1 43.438		
16	Öl-Verschlussschraube Messin	g	143.437 1

A. C. motor



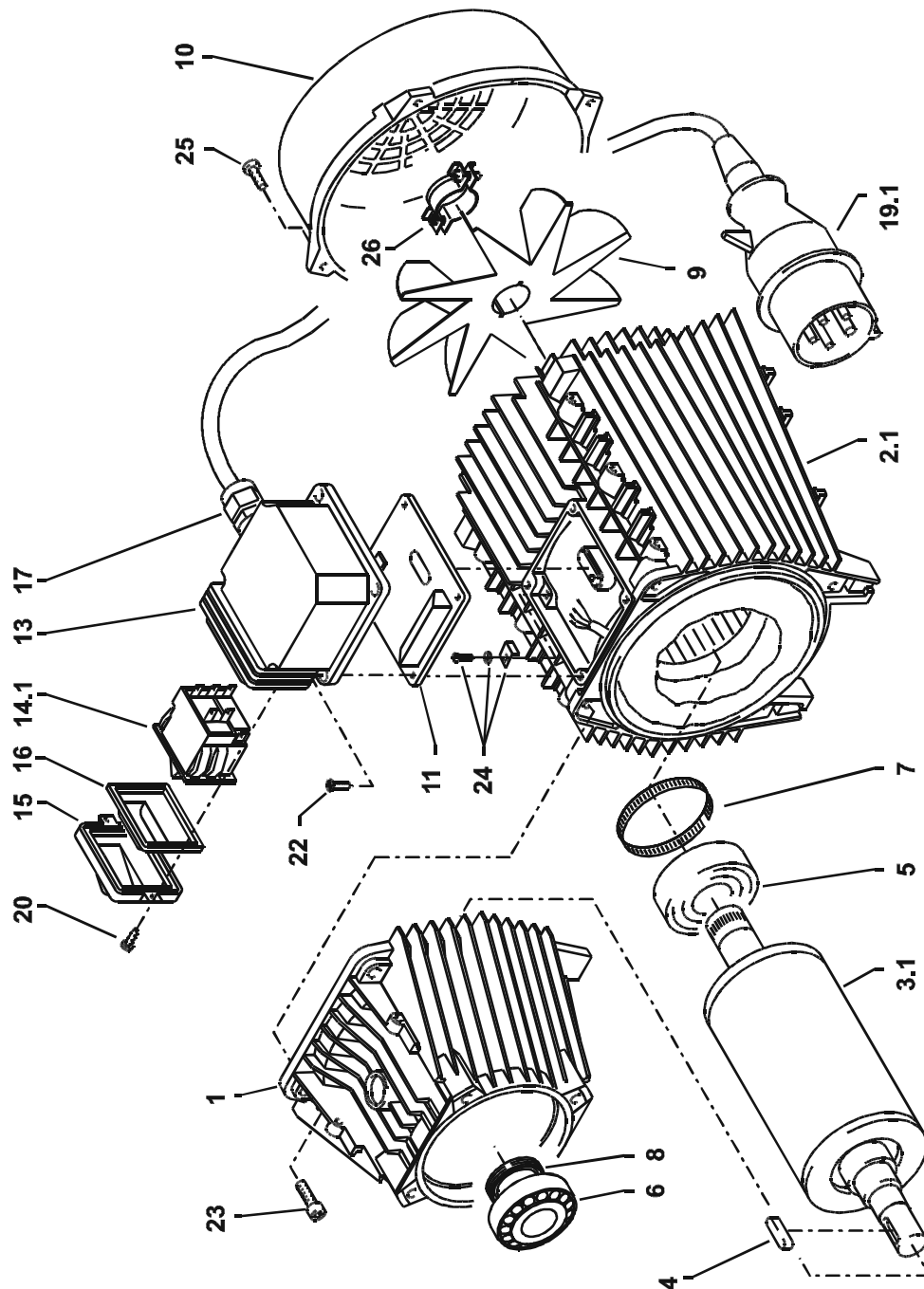
KRÄNZLE 115, 125, 135

Spare parts list KRÄNZLE 115, 125, 135 A. C. motor

No Description Qty. Ord.-No

1	Ölgehäuse für AP	1	43.314
2	Motorgehäuse mit Stator Wechselstrom für Kränzle 115 / 125	1	43.400 9
2	Motorgehäuse mit Stator Wechselstrom für Kränzle 135	1	43.315
3	Rotor mit Motorwelle	1	43.316
4	Passfeder 6 x 6 x 20	1	41.483 1
5	Rillenkugellager 6205 - 2Z	1	43.317
6	Kegelrollenlager 31304	1	40.472
7	Toleranzhülse	1	43.330 1
8	Öldichtung 25 x 35 x 7	1	41.024
9	Lüfterrad BG 90	1	43.319
10	Lüfterhaube BG 90	1	43.320
11	Flachdichtung	1	43.030
12	Lüsterklemme 2-polig	1	43.031
13	Schaltergehäuse BG 90	1	43.321
14	Schalter mit 13,5 A Überstromauslöser	1	41.110 2
15	Klemmrahmen mit Schalterabdichtung	1	41.110 5
16	Kabelverschraubung PG 11	1	41.419
17	Kabelverschraubung PG 9 (3-teilig)	1	43.034
18	Kondensator 70 µF	1	43.322
19	Kabel mit Stecker	1	41.092
20	Blechschraube 3,5 x 9,5	2	41.088
21	Blechschraube 2,9 x 16	1	43.036
22	Schraube M 4 x 12	4	41.489
23	Innensechskantschraube M 6 x 30	4	43.037
24	Erdungsschraube kmpl.	1	43.038
25	Schraube M 4 x 12	2	41.489
26	Schelle für Lüfterrad mit Schrauben	1	43.454

Three-phase current motor

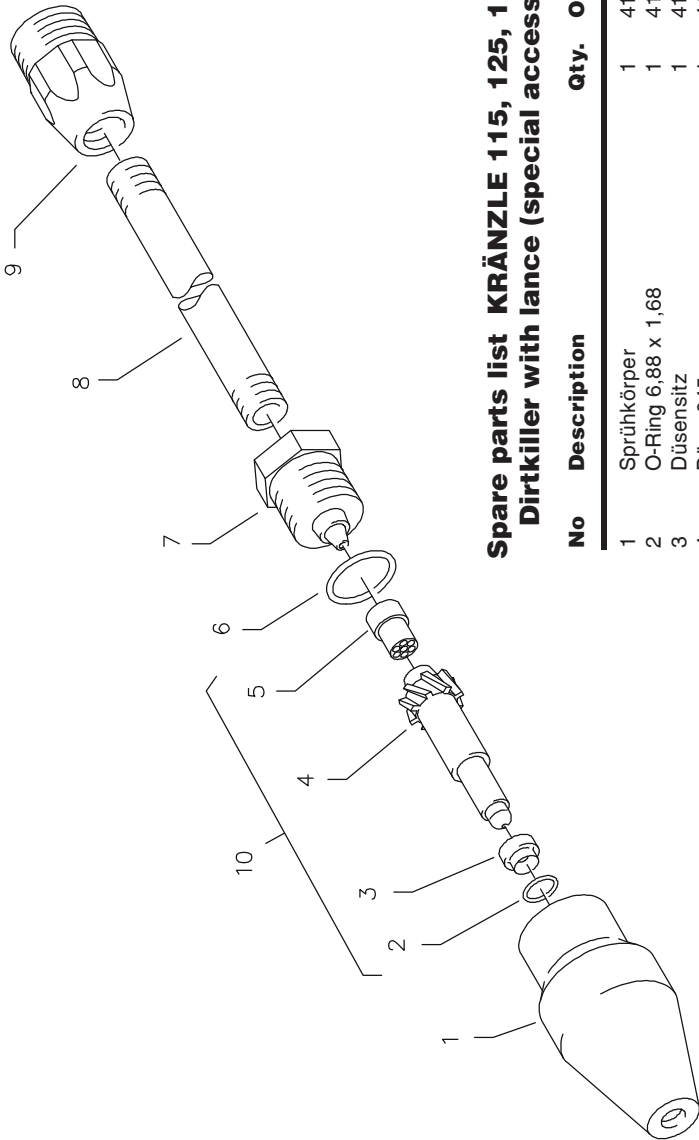


KRÄNZLE 155

Spare parts list KRÄNZLE 155 **Three-phase current motor**

No	Description	Qty.	Ord.-No
1	Ölgehäuse für AP	1	43.314
2	Motorgehäuse mit Stator Drehstrom	1	43.324
3	Rotor mit Motorwelle	1	43.316
4	Passfeder 6 x 6 x 20	1	41.483 1
5	Rillenkugellager 6205 - 2Z	1	43.317
6	Kegelrollenlager 31304	1	40.472
7	Toleranzhülse	1	43.330 1
8	Öldichtung 25 x 35 x 7	1	41.024
9	Lüfterrad BG 90	1	43.319
10	Lüfterhaube BG 90	1	43.320
11	Flachdichtung	1	43.030
13	Schaltergehäuse BG 90 Drehstrom	1	43.452
14	Schalter (Amazonas) 8 A	1	43.450
15	Klemmrahmen mit Schalterabdichtung	1	43.453
17	Kabelverschraubung PG 13,5	1	40.539
19	Kabel mit Stecker Drehstrom	1	41.092 1
20	Blechschaube 3,5 x 9,5	2	41.088
22	Schraube M 4 x 12	4	41.489
23	Innensechskantschraube M 6 x 30	4	43.037
24	Erdungsschraube kpl.	1	43.038
25	Schraube M 4 x 12	2	41.489
26	Schelle für Lüfterrad mit Schrauben	1	43.454

Dirtkiller



Spare parts list KRÄNZLE 115, 125, 135 155 Dirtkiller with lance (special accessory)

No	Description	Qty.	Ord.-No
1	Sprühkörper	1	41.520
2	O-Ring 6,88 x 1,68	1	41.521
3	Düsenzitz	1	41.522
4	Düse 045	1	41.523
5	Stabilisator	1	41.524
6	O-Ring	1	40.016 1
7	Sprühstutzen	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

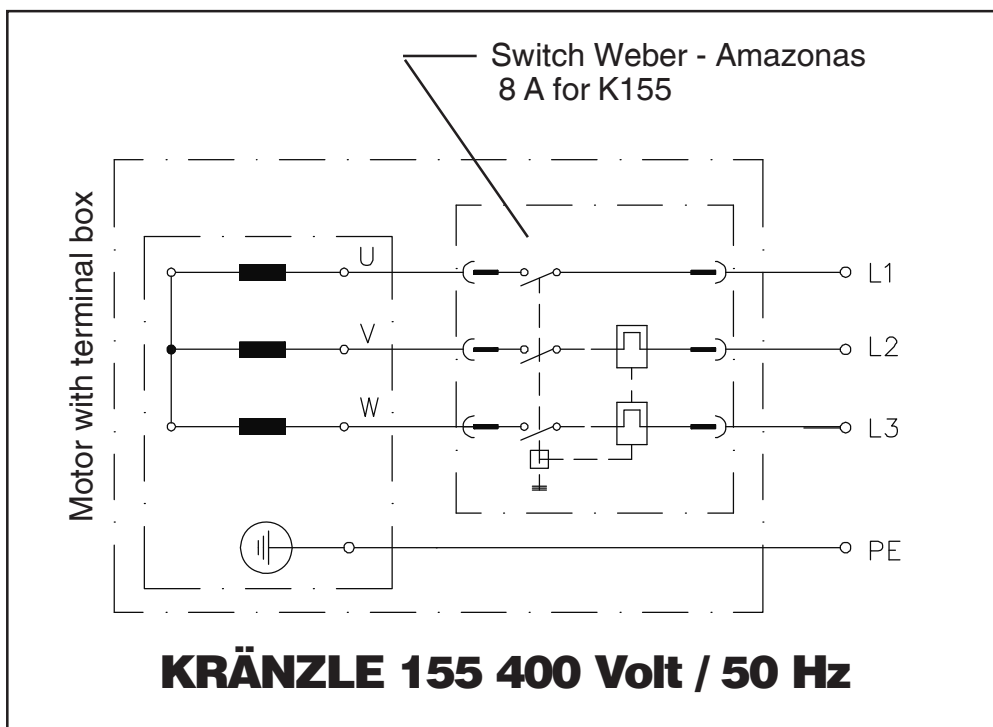
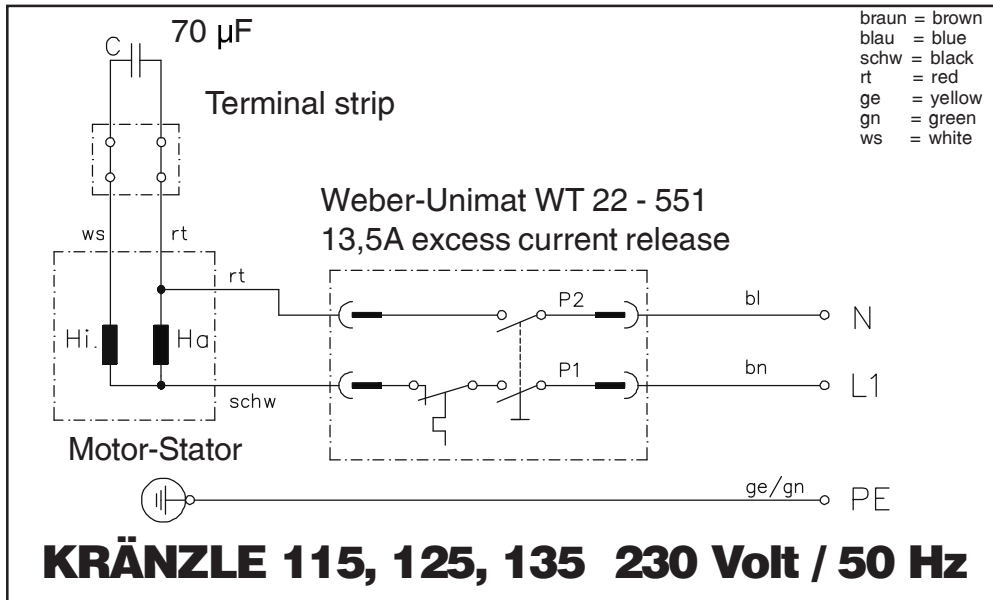
Rep.-Kit Dirtkiller 045
consisting of: 1 x 2; 3; 4; 5

41.097

Dirtkiller 045 with Lance

41.072 5

Wiring diagram



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)

Check the oil level at the oil sight glass prior to each use.

(Ensure horizontal position!)

Oil change:

The oil of your high pressure pump should be changed after approx. 40 hours of operation, or no later than when it takes on a grey or whitish colour. To change the oil, remove the two combination screws on the base-plate at the bottom, take off the base-plate and pull out the oil drainage hose. Put the hose over a container and take off the closure cap. Put the pump into horizontal position to drain off the oil. The oil must be caught in a container and disposed of in a responsible, legal manner.

New oil: 0.3 l - Motor oil: W 15/40

Warranty

This warranty covers material and/or workmanship related defects only and does not extend to ordinary wear.

Machine must be operated according to enclosed operating instructions which are part of present warranty conditions.

All products sold directly to private customers are warrantied for a period of 24 months, whereas the warranty period for industrial purchases is limited to 12 months.

In case of any warranty claims, please have your HP cleaner together with accessories and your purchase document ready and contact your nearest dealer or authorized service point which can also be looked up in the internet at www.kraenzle.com.

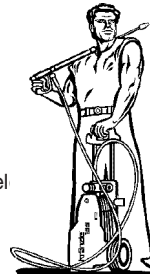
Warranty is void in case of attempts to modify any of the safety devices or in the event of exceeding temperature or rpm limits - this also applies to undervoltage, low water and/or polluted water. Gauge, nozzle, valves, sealing gaskets, high pressure hose and spray equipment are considered wear parts and do not fall under this warranty.

kränzle®

Hochdruckreiniger
High-pressure-cleaners
Nettoyeurs à Haute Pression



I. Kränzle GmbH
Elpke 97 · 33605 Bielefeld



EC declaration of conformity

We hereby declare,
that the high-pressure models:

Kränzle 115 - 155

(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 89/392/EEC
Low voltage guideline 73/23 EEC
Specification for electromagnetic
compatibility 89/336 EEC
Outdoor noise directive 2000/14/EC,
Art. 13, High-pressure water jet machines
Appendix 3, part B, chapter 27

Sound power level

measured:
guaranteed:

K115-125: 87 dB (A); K135-155: 89 dB (A)
K115-125: 89 dB (A); K135-155: 91 dB (A)

Applied specifications and
standards:

EN 60 335-2-79 / A1:2004
EN 55 014-1 / A2:2002
EN 61 000-3-2 / A14:2000
EN 61 000-3-3 / A1:2001

Bielefeld, den 08.09.05

Droitsch
(Managing Director)

Notes

Notes

Reprint only allowed with the authorization of **kränzle**[®]
As of date of 10. 12. 2008