

Kränzle® **High pressure cleaner**

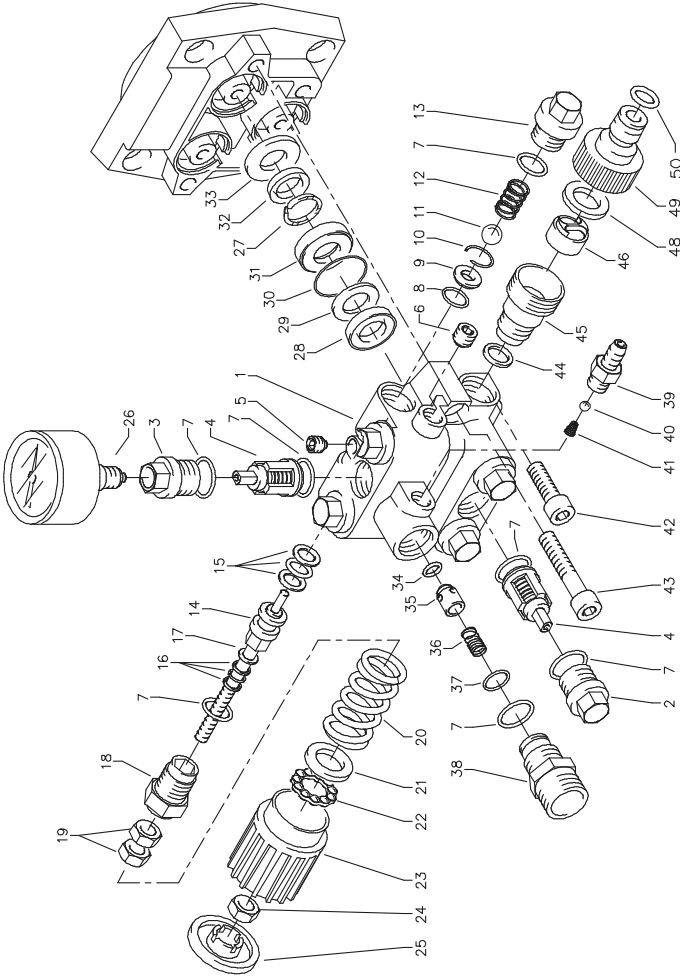
GB

K 105

Best-Nr.: 30 203 1

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Stand 01. 10. 2004

Operating instructions
Read and confirm before use



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 the plug from the electrical socket** before such work is carried out.



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 manufacturer of the cleaning agents. The seals in the machine are not resistant to solvents. The spray of solvents is inflammable, explosive and poisonous.



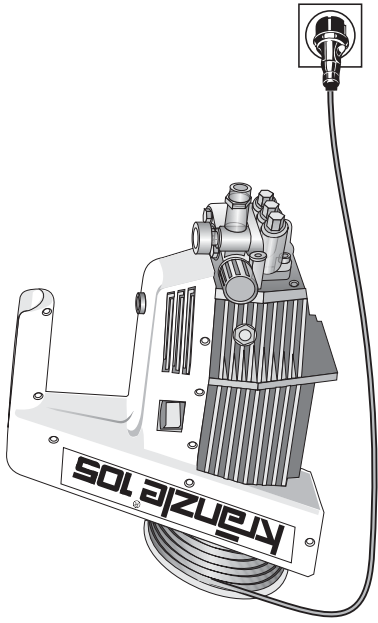
CAUTION!

When running your high pressure cleaner with hot water of 60 °C raised temperatures occur.

Do not touch the machine without safety gloves.



No.	Description	Qty.	OrderNo.	No.	Description	Qty.	Order No.
1	Ventilgehäuse AZ 14mm	1	43.007	28	Gewebemanschette 14x24x5	3	41.613 1
2	Ventilstopfen	5	41.011	29	Backing 14 x 24	3	41.614
3	Ventilstopfen mit R1/8" IG	1	43.042	30	O-Ring 26 x 2	3	43.052
4	Ventile (rot)	6	41.612	31	Leckagering	3	43.053
5	Dichtstopfen M 8 x 1	1	13.158	32	Manschette 14 x 20 x 4/2	3	43.054
6	Dichtstopfen M 10 x 1	1	43.043	33	Zwischenring mit Abstützung	3	43.055
7	O-Ring 12 x 2	15	15.005 1	34	O-Ring Viton 5,23 x 2,62	3	43.056
8	O-Ring 11 x 1,5	1	12.256	35	Rückschlagkörper	1	43.009
9	Edelstahlstift	1	14.118	36	Rückschlagfeder	1	43.057
10	Sicherungsring	1	13.147	37	O-Ring 12 x 1,5	1	43.058
11	Edelstahlkugel 8,5 mm	1	13.148	38	Ausgangsst. Inj. ST30 M22x1,5	1	43.008
12	Edelstahlfeder	1	14.119	39	Saugzapfen Schlauchanschluss	1	13.236
13	Verschlußschraube	1	14.113	40	Edelstahlkugel 5,5 mm	1	13.238
14	Steuerkolben 6 mm für AZ	1	43.044	41	Edelstahlfeder	1	13.239
15	Parbaks für Kolben 14 mm	1	14.123 1	42	Innensechskantschr. M 8 x 25	2	40.053
16	Parbaks für Spindel 6 mm	1	14.123 2	43	Innensechskantschr. M 8 x 40	2	43.059
17	MS-Scheibe	1	43.045	44	Dichtring Kupfer	1	14.149
18	Kolbenführung 6 mm	1	14.130 1	45	Sauganschluss	1	41.016
19	Mutter M 6	2	14.127 1	46	Gummi Dichttring	1	41.047 1
20	Feder schwarz für AZ-Pumpe	1	43.046	47	Steckkupplung	1	41.047 2
21	Federdruckscheibe	1	43.047	48	O-Ring	1	41.047 3
22	Kugellager	1	43.048	49	Repair kit valve	1	41.648
23	Handrad M 6 für AZ-Pumpe	1	43.049	50	Repair kit sleeve	1	43.060
24	Mutter M 6 mit SW 8	1	43.010		Valve housing compl.	1	43.007 1
25	Kappe für Handrad AZ-Pumpe	1	43.050		Control spindle with Parbaks	1	43.044 1
26	Manometer	1	43.051		Control spindle with Handwheel	1	43.044 2
27	Stützung	3	43.091				



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 **30 mA residual current operated device**. The socket must be protected with a **16 A slow fuse** on the mains inside.

KRÄNZLE 105 - 230 Volt 50 Hz



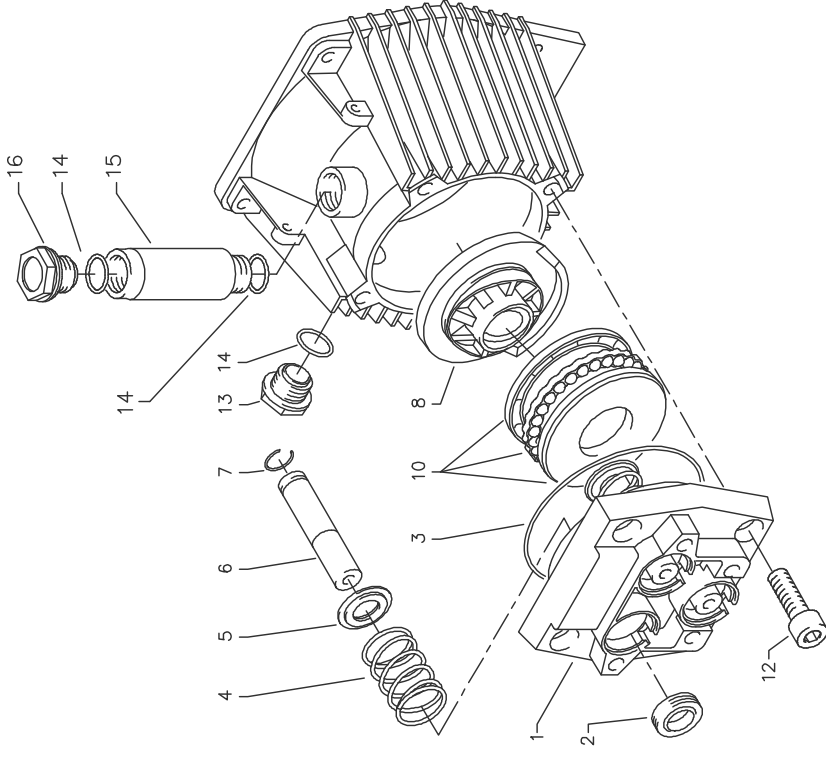
When using an extension cable, this must have an earthed lead which is properly connected to the socket. The conductors in the extension cable must have a minimum cross section of 1,5 mm². Plug connections must be of a spray proof design, and may not be located on a wet floor.

(With extension cables of more than 10 m the conductor must have cross section of at least 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.



No.	Description	Qty.	Order 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 9,5° please specify angle when ordering	1	41.028-9,5
10	Axial-Fillenkugellager 3-teilig	1	43.486
12	Innensechskantschraube M 8 x 25	4	40.053
13	Ölschauglas	1	42.018 1
14	O-Ring 12 x 2	3	15.005 1
15	Öleinfüll-Stutzen	1	43.011
16	Ölverschlußschraube rot	1	43.437



Brief operating instructions are fitted to the machine (numbers 1 - 6)

1. Connect the high pressure hose with spray gun and machine.
 2. Connect the suitable water supply.
 3. Flush the air from the pump (open and close the spray gun several times).
 4. Make the electrical connection (230 Volt AC).
 5. Switch on the machine while the spray gun is open and commence cleaning.
 6. After completing the work, completely empty the pump. (switch the motor on for approx. 20 sec. 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 DIN 1988, 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 reflux valve (Kränzle Order-No. 41.016 4) is built into the water supply.

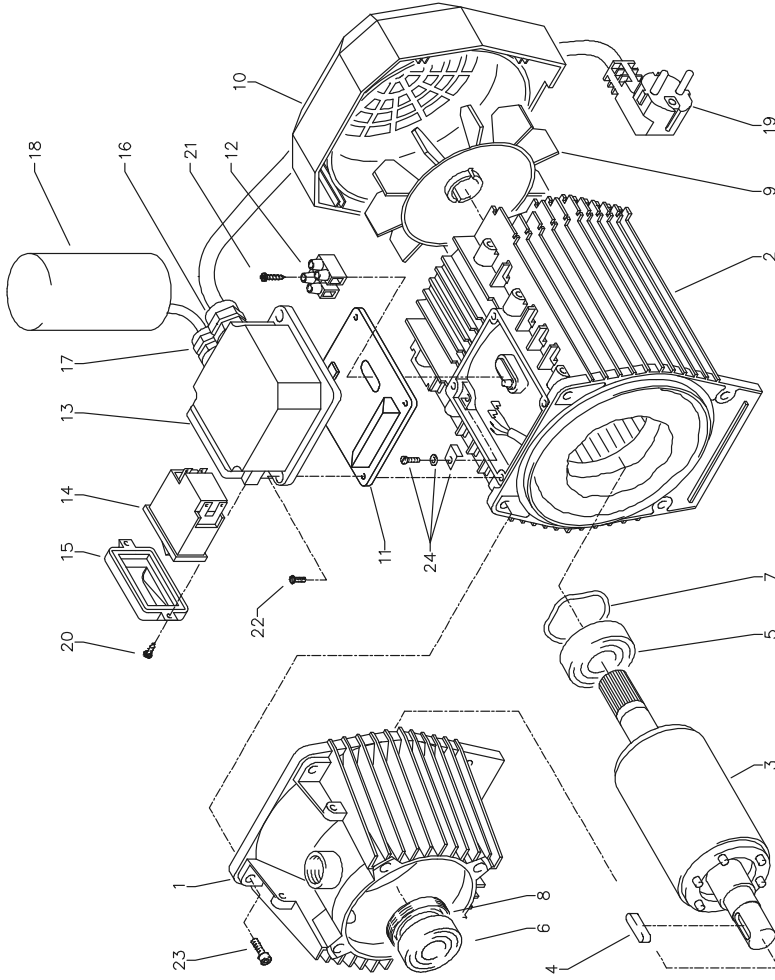
Also indirect connection to the public drinking water supply lines is permissible by way of free emission in accordance with DIN 1988, part 4; e.g. by using a reservoir with a float valve.

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

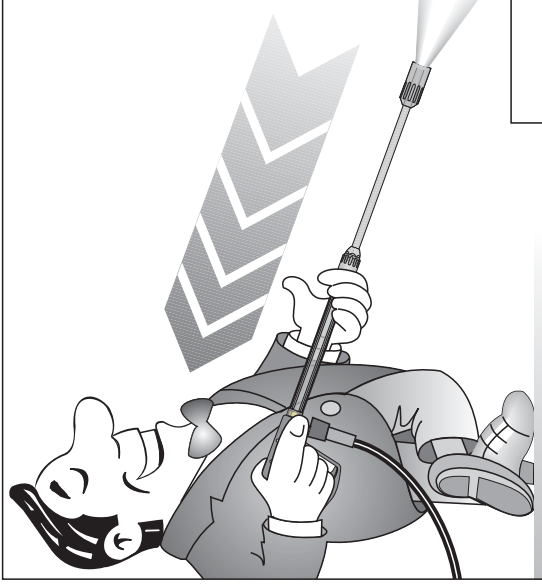
High pressure hose and spray device

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 appropriate regulations.

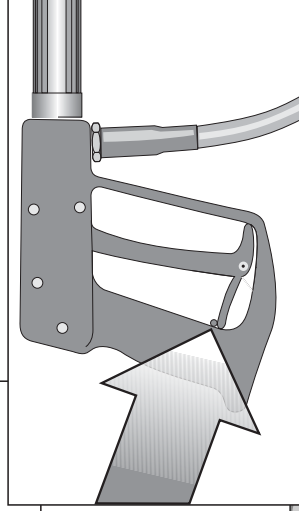
If replacement parts are required, only such parts that are authorized by the manufacturer and which bear the markings required by appropriate regulations may be used. The high pressure hose and spray device must be connected in a pressure-tight manner. The high pressure hose may not be driven over,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



No.	Description	Qty.	Order No.	No.	Description	Qty.	Order No.
1	Ölgehäuse	1	43.006	16	Kabelverschraubung PG 11	1	41.419
2	Motorgehäuse mit Stator	1	43.023	17	Kabelverschraubung PG 9 (3-t.)	1	43.034
3	Motorwelle mit Rotor	1	43.024	18	Kondensator 40 µF	1	43.035
4	Paßfeder 6 x 6 x 20	1	41.483 1	19	Kabel mit Stecker	1	41.092
5	Motor-Lager B-Seite Z-Lager	1	43.025	20	Blechschrabe 3,5 x 9,5	2	41.088
6	Motor-Lager A-Seite Schülteri.	1	43.026	21	Blechschrabe 2,9 x 16	1	43.036
7	Federausgleichsscheibe	1	43.027	22	Schraube M 4 x 12	4	41.489
8	Öldichtung 25 x 35 x 7	1	41.024	23	Innensechskantschr. M 6 x 30	4	43.037
9	Lüfterrad	1	43.028	24	Erdungsschraube kpl.	1	43.038
10	Lüfterhaube	1	43.029				
11	Flachdichtung	1	43.030				
12	Lüsterklemme	1	43.031				
13	Schalergehäuse	1	43.032				
14	Schalter mit 12 A-Überstromauslöser	1	43.033				
15	Klemmrahmen mit Schalterabdichtung	1	41.110 5				



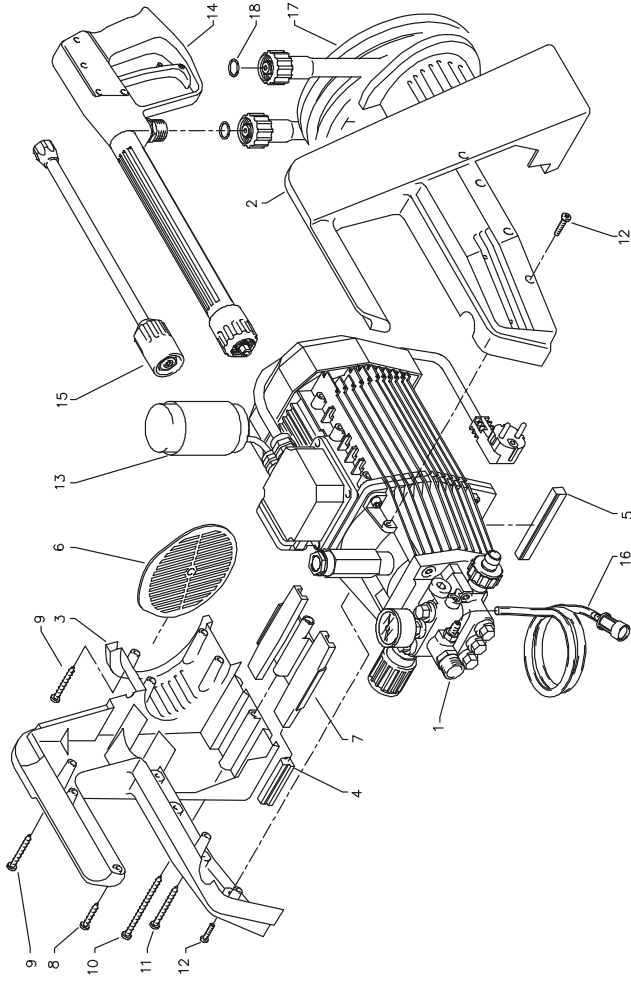
The recoil is less than 20 Nm.



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, that there is a certain amount of torque (twisting motion) in the recoil. (See also notice on page 2).



No.	Description	Qty.	Order No.
1	Motor compl. with oil enclosure and fan wheel without switch	1	43.001
2	Gehäusehälfte rechts	1	43.013
3	Gehäusehälfte links	1	43.014
4	Gummidämpfer klein	4	43.015
5	Gummidämpfer groß	1	43.016
6	Lüfterblende	1	43.017
7	Motoraufiage	1	43.012
8	Kunststoffschraube 5,0 x 20	2	43.018
9	Kunststoffschraube 5,0 x 50	5	41.411
10	Kunststoffschraube 5,0 x 120	1	43.309
11	Senkkopfschraube 3 x 45	1	43.020
12	Blechschaube 4,8 x 13	8	44.112
13	Schaumstoffrohr	1	41.418
14	Pico-Pistole mit Verlängerung	1	41.053 1
15	Regeldüse mit Lanze und HD-Düse 25045	1	43.440
16	Chemikaliensaugschlauch mit Filter	1	15.038
17	Schlauch Polypenco 150 bar	1	41.054 1
18	O-Ring 9,3 x 2,4	2	13.273