

Technical perfection and top design

**Kränzle**<sup>®</sup>  
Der Schmutzkiller.

w w w . k r a e n z l e . c o m

# Operating manual

## High-pressure cleaners

### *Silent* 120



DIN EN  
ISO 9001



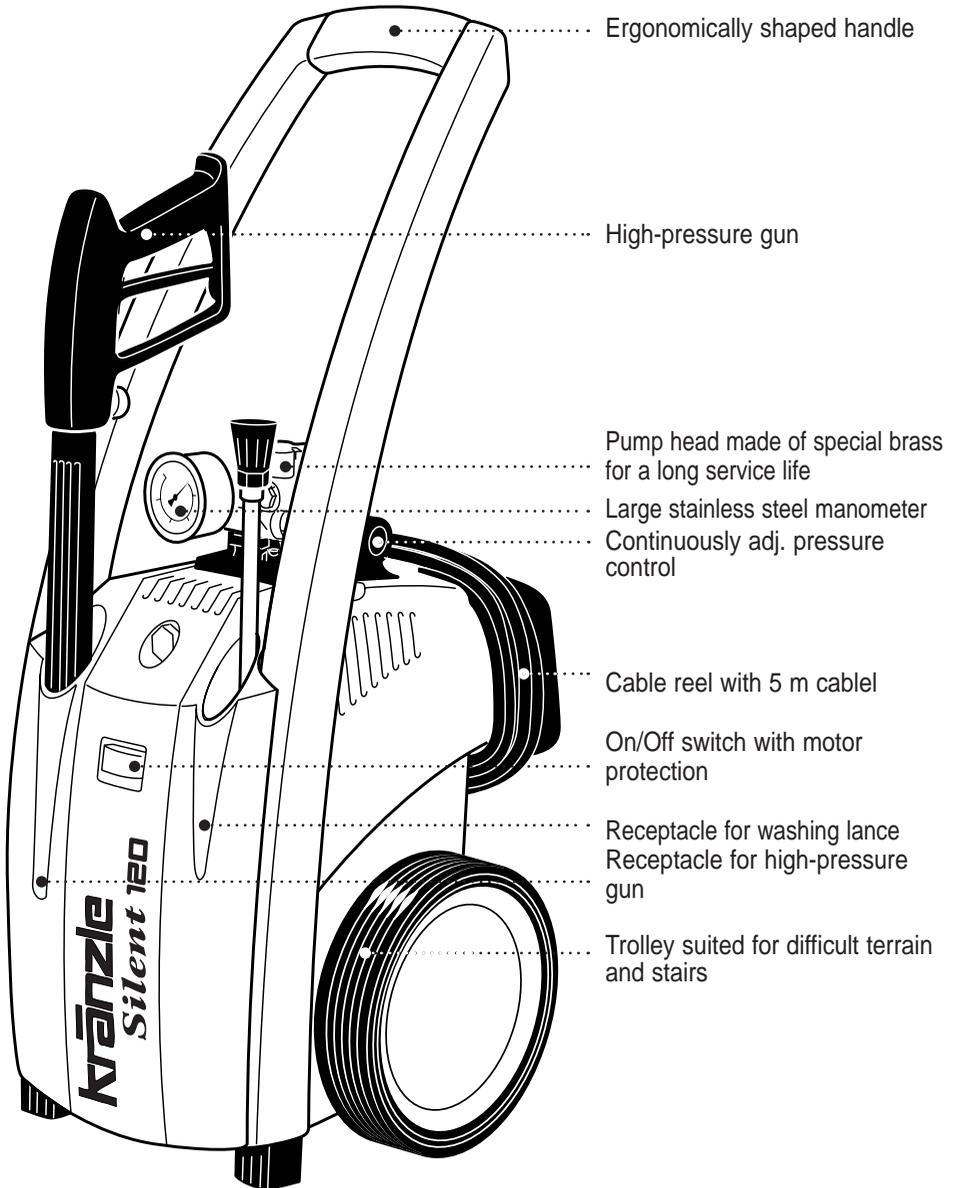
Read and conform safety instructions before use !

- GB -



## Description

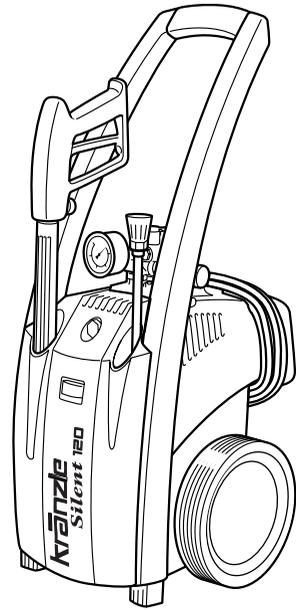
Kränzle Silent 120



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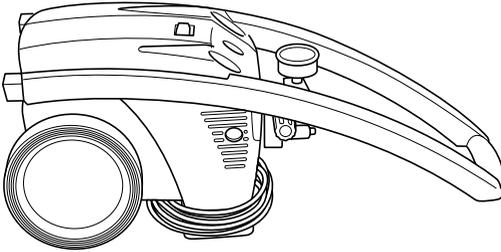
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**4** **Tecnical data****Kränzle Silent 120**

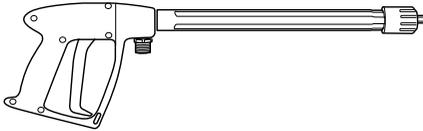
<b>Operating press. continuously adj</b>	10 - 120 bar (1700 PSI)
<b>Nozzle size</b>	20 028
<b>Permissible overpressure</b>	135 bar
<b>Water output</b>	at 1.400 r.p.m. 7 l/min
<b>Water inlet temperature</b>	max. 60 °C
<b>Sucton height</b>	1,5 m
<b>Steel-weave high-pressure hose</b>	10 m
<b>Detergent suction</b>	special accesories
<b>Connected load</b>	230 V~, 7.5 A, 50 Hz
<b>Power input</b>	P 1 - 1.6 kW
<b>Power output</b>	P 2 - 1.0 kW
<b>Weight</b>	25 kg
<b>Dimens. incl. pulling handle in mm</b>	300 x 330 x 800
<b>Sound level acc. to DIN 45 635</b>	71 dB (A)
<b>Acoustic power <math>L_{WA}</math></b>	84 dB (A)
<b>Recoil at lance</b>	ca. 27 N
<b>Vibration at lance</b>	1.9 m/s <sup>2</sup>
<b>Order no.</b>	<b>41.220</b>

Permissible tolerance for figures  $\pm 5$  % acc. to VDMA uniform sheet 24411

# This is what you have purchased



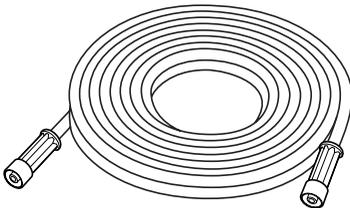
- 1.** Kränzle high-pressure cleaner **Silent 120**



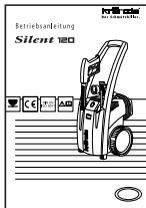
- 2.** Safety spray gun with insulated handle and screw connection



- 3.** Washing lance with Kränzle knife jet nozzle



- 4.** Steel-weave high-pressure hose 10 m, NW 6



- 5.** Operating manual

## General rules

### ■ Range of application

Use machines for cleaning tasks with high-pressure water jet and detergents or with high-pressure water jet without detergents only.

### ■ 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. For inspection reports see pages 38-39.



**High-pressure cleaners used for commercial purposes have to be checked by a qualified person at least every 12 months!**

### ■ 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 pages 8 and 9).

### ■ Oil change:

1. The first oil change should be carried out after approximately 50 operating hours. After that no further oil change will be necessary for the life cycle of the high-pressure cleaner. Put the machine into a horizontal position, then open the oil discharge screw at the bottom of the device over a collection reservoir. The oil is to be caught in the reservoir and disposed of in an approved manner.

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

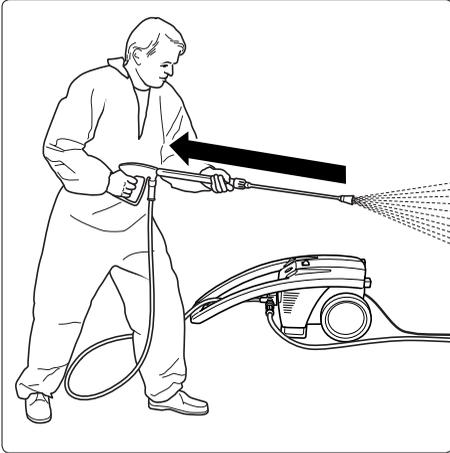


**Oil leakage: If oil leaks contact your nearest after-sales service (dealer) at once. (Ecological damage, damage to the transmission)**

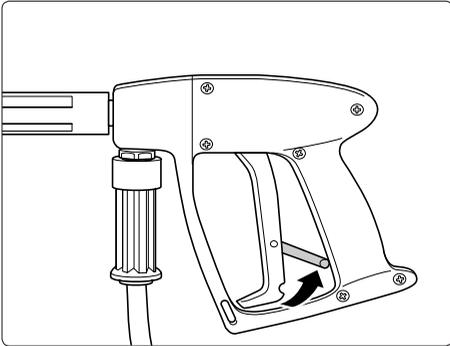


**In case of increased humidity or fluctuations in temperature development of condensed water is possible; if the oil turns grey, you must change it.**

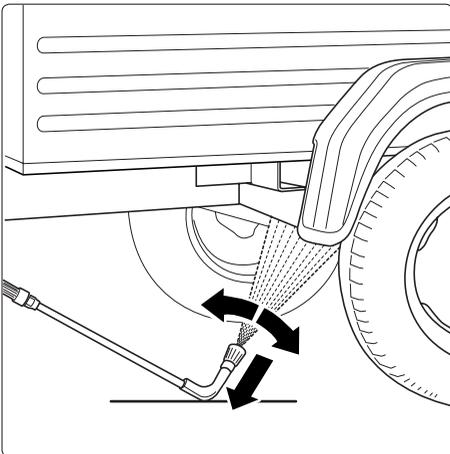
## Safety precautions



Bear in mind that during cleaning tasks with a high-pressure water jet a significant recoil at the lance arises (see technical data on page 4).

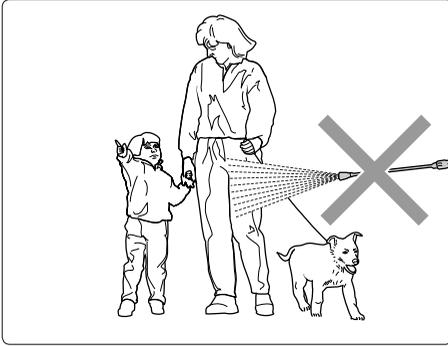


Apply the safety catch on the spray gun after each use, in order to prevent unintentional spraying!

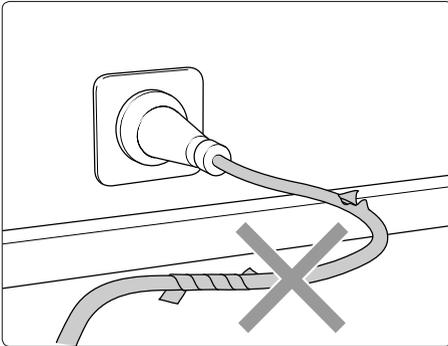


Always aim the underbody lance! Bear in mind when using a curved or angled spraying lance that there is a significant amount of torque in the recoil!

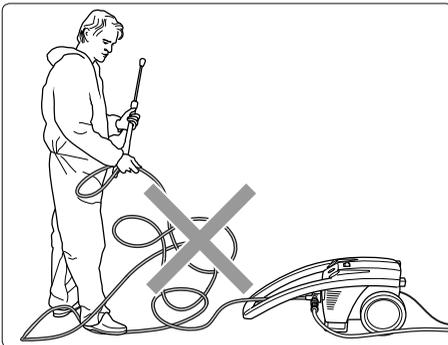
**8 Safety precautions - This is prohibited!**



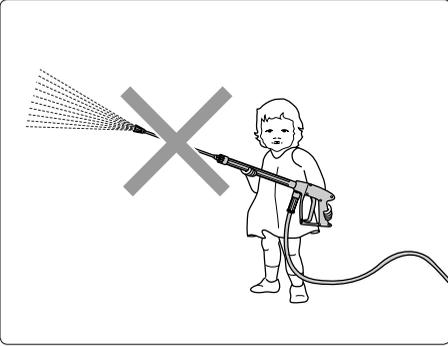
**Never direct the water jet at people or animals!**



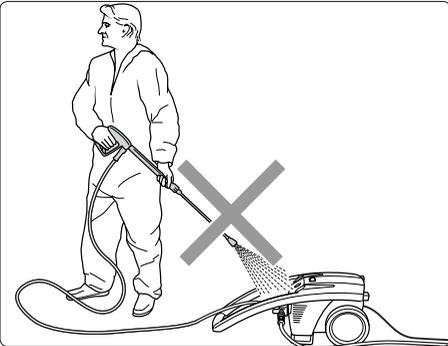
**Only use power cables which are in perfect working order! Do not damage the power cable or repair it incorrectly!**



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

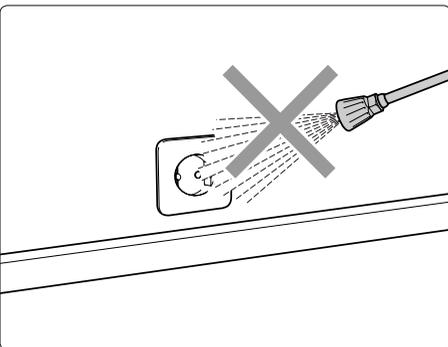


**Never allow children to use the high pressure cleaner!**



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

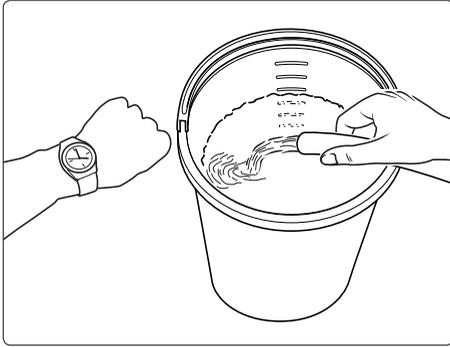
**Never expose the machine to the spray mist of the high-pressure water jet!**



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

## 10 Please note - important:

### ■ Lack of water



Lack of water occurs more often than you probably believe. The more powerful a high-cleaner is the greater is the danger that a lack of water occurs. If there is only an insufficient amount of water available, cavitation (water-gas mixture) arises inside the pump, which is normally noticed too late or even not at all..

#### **The pump will be destroyed!**

Please check the available quantity of water by filling a bucket with litre scale for one minute.

**A minimum water quantity of 7 litres per minute must be available to guarantee a trouble-free operation of the Kränzle Silent 120.**



**If the metered quantity of water is too small, you have to use a different water connection, guaranteeing the necessary output.**

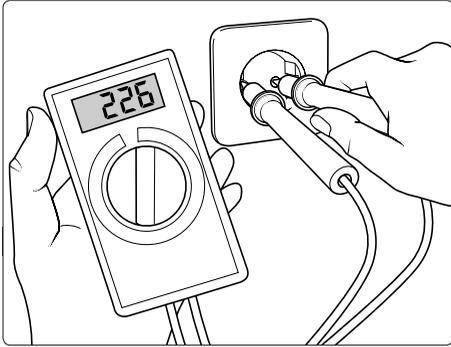


**Lack of water leads to an accelerated wear of the joints (no guarantee)**

### ■ Connection to water supply

Please pay attention to the regulations of your waterworks company! In accordance with DIN EN 61770, 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.

## ■ Insufficient quantity of electricity



If there are too many collectors in your proximity connected to the network at the same time, the available voltage and the current intensity may decline. Consequently the motor of the high-pressure cleaner does not start or even blows.

The power supply may also be insufficient if the power cable is too long or too thin. If extension cables are too long, this may lead to a voltage drop causing malfunctions or

start-up difficulties.

**Kränzle Silent 120:**  
**230 V ~, 7.5 A, 50 Hz**



**Check the line fusing and have the voltage and the available current intensity checked by an expert in case of uncertainty.**

## ■ Electrical connection

The machine is supplied with an electrical power cable 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.

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** the minimum cross section must be **2.5 mm!** When using a cable drum, always keep the cable wound as far as possible.

## 12 Kränzle technology

### ■ Wasser and cleaning system

Water can be connected at mains pressure (1-8 bar pre-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.



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

### ■ Lance with spray gun

The machine can only be operated when the safety trigger of the gun 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 pressure control valve-safety valve to open.

The pump remains switched-on and works with reduced overpressure in by-pass. When the spray gun is opened, the pressure control valve - safety valve closes and the pump resumes pressure spraying from the lance with the selected operating pressure.



**The spray 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.**

### ■ Pressure control valve - safety valve

The pressure control 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.**

## ■ Motor protection switch

The motor is protected from overload by a motor protection switch, which 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 11).



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

## ■ 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. (max. hose length 20 m)



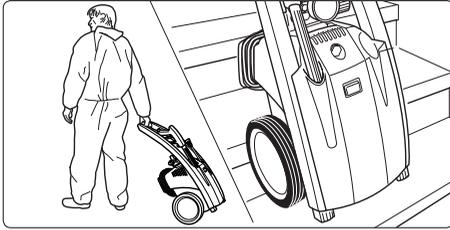
**If replacement parts are required, only such parts that are authorized by the manufacturer and which bear the markings required by the appropriate regulations may be used. The high pressure hose and spray device must be connected in a pressure-tight manner (without leakage).**



**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.**

## 14 Putting into operation

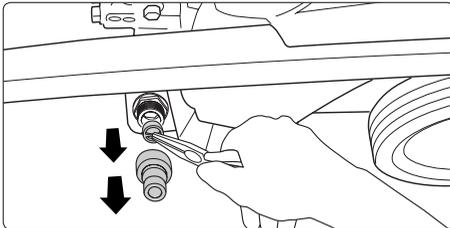


**1.** Move high-pressure cleaner to the job site. The Kränzle Silent 120 is a movable machine with sturdy trolleys ideally suited for difficult terrain and stairs.

### ■ Setting up - location

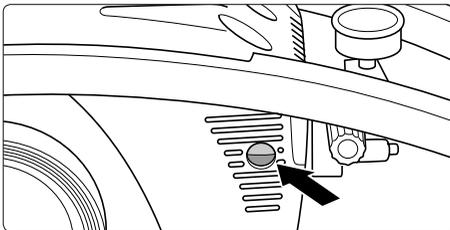


Neither set up or operate the machine in rooms where there is a risk of fire or explosion nor put it into puddles. Do not use the machine under water.



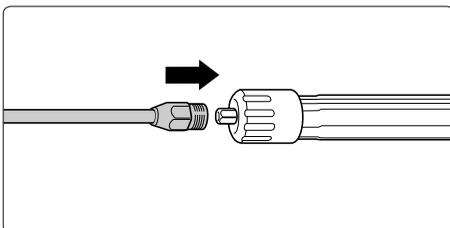
**2.** Check water inlet filter for cleanliness prior to putting the machine into operation!

Manually unscrew hose attachment. Take out the serial water inlet filter using needle nose pliers and clean if filter is soiled.

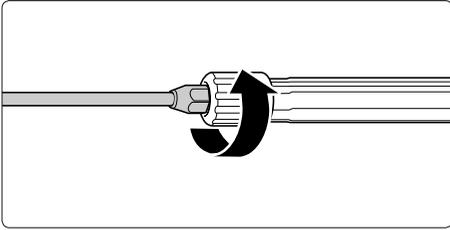


**3.** Each time check oil level at oil-level glass prior to putting HP cleaner into operation. (Take care that cleaner is in horizontal position!)

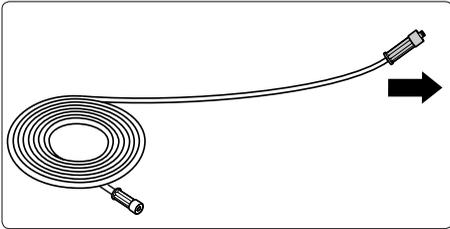
The oil level must be visible in the centre of the oil-level glass.



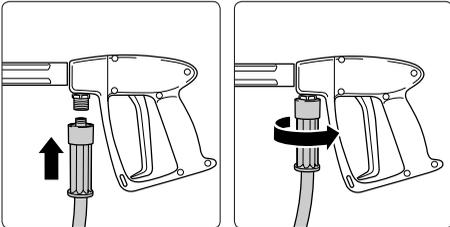
**4.** Insert spray lance into gun.



5. Screw together lance and gun.

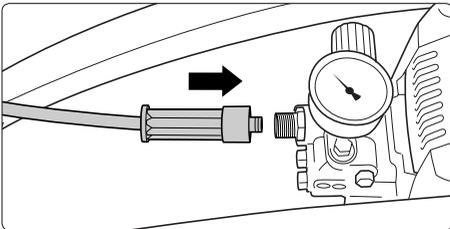


6. Unwind high-pressure hose straight and without nooses. (When using hose extensions take care that the max. length of 20 m is not exceeded!)



7. Push on HP hose to gun.

8. Tightly screw together HP hose and gun.

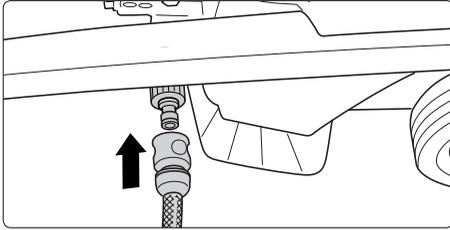


9. Put HP cleaner into horizontal position. **These machines must be operated in horizontal position!** Connect high-pressure hose to pump and connect tightly.

## ■ Be careful when using hot water!

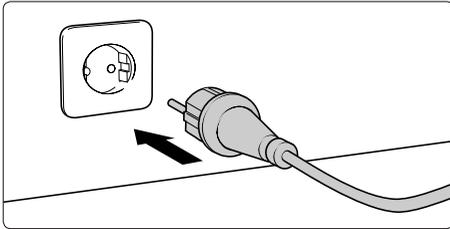


When running your high pressure cleaner with hot water of 60° C raised temperatures occur. Do not touch the metal parts of the cleaner without safety gloves!

**16 Putting into operation**

**10.** Connect water hose to water inlet.

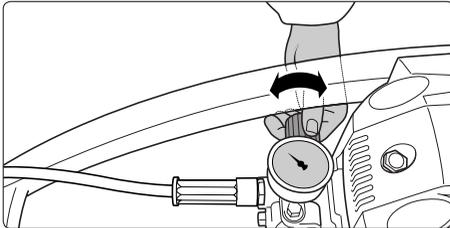
The cleaner may be connected to a water mains (1-8 bar pre-pressure) with either cold or up to 60°C warm water.



**11.** Connect to circuit.

**Kränzle Silent 120:**  
**230 V ~, 7.5 A, 50 Hz**

The socket must be protected with a 16A delay action fuse on the mains side.



**12.** Steplessly adjust operating pressure with handwheel. The maximum pressure is adjusted ex work.



**13.** Switch on high-pressure cleaner with opened spray gun. Bleed appliance: Gun has to be opened and closed several times. Start cleaning task.

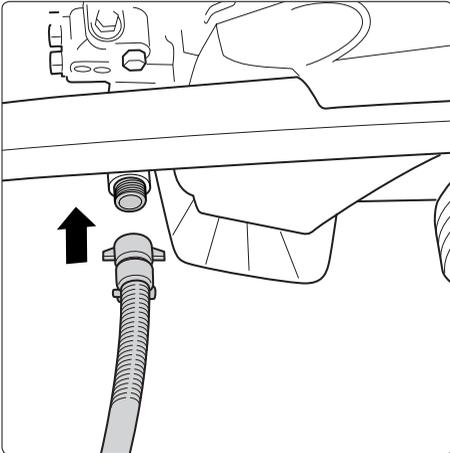
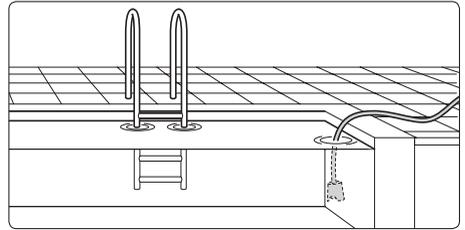
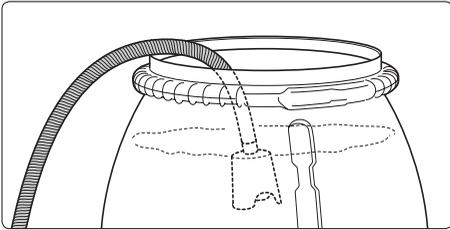
## Direct suction

### Sucking in water from ponds, rain butts etc.

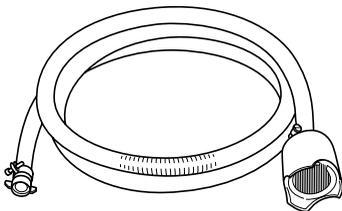
Due the suction capacity of its pump (up to 1.5 m suction height, max. hose length 2 m) this high-pressure cleaner can suck in water for cleaning purposes from separate containers or ponds.



**Prior to starting the first suction the pump resp. the suction hose has to be filled with water!**



Attach suction hose. The inner diameter of the hose must be at least  $3/4'' = 16 \text{ mm}$ .



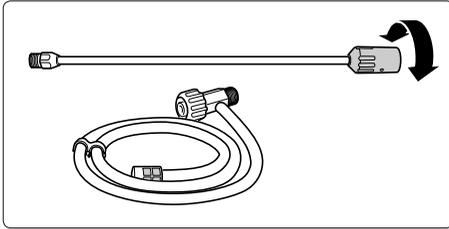
Best use suction hose with suction filter from the Kränzle accessories: Order no. 15.038 3

**Use clean water only!**

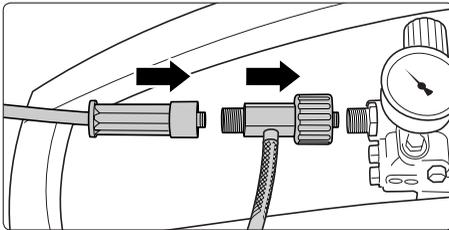
## 18 Suction of detergents

### ■ Detergent suction set (Kränzle accessories order no.13 376 5)

By installing a detergent injector between pump and high-pressure hose, detergents can be sucked in and mixed into the water jet.



To be able to do this it is necessary to use a suction set lance with adjustable regulation nozzle from high to low pressure, as the suction process only works if the machine operates in low pressure. By adjusting the regulation nozzle to high-pressure the supply of detergents is stopped.

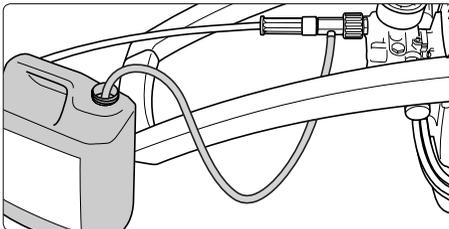


**1.** Unscrew high-pressure hose and mount detergent injector to the high-pressure outlet and connect to HP hose.

**2.** Insert injector hose with filter into the container with the detergent.

**3.** Switch on cleaner with opened gun and set the regulation nozzle of the lance to low pressure. (detergent admixture 3 - 5 %)

**4.** Let detergent act and then spray off with high-pressure water jet.



**Observe specifications of detergent manufacturer!**  
e.g.: protective equipment, rules for waste water treatment etc.



**Caution: dissolvents!**

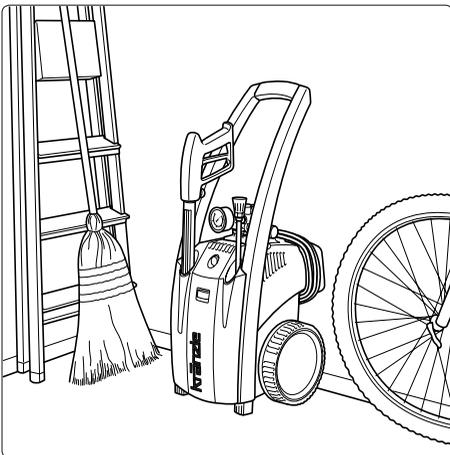
Never suck in liquids containing solvents like varnish solvents, petrol, oil or similar liquid! Observe specifications of detergent manufacturers! Seals inside the appliance are not resistant against solvents! The spray mist of solvents is highly inflammable, explosive and poisonous.



## 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. Clean HP hose and wind up
9. Clean power cable and wind up
10. Clean water filter
11. Winter: store the pump in rooms above 0°C

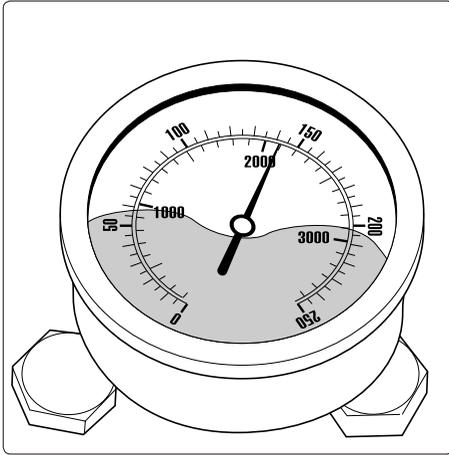
### ■ Store in a place-saving manner



Due to their compact and space saving design the Kränzle Silent cleaners can be stored practically anywhere

**20 Small repairs - do it yourself**

■ **No water from the nozzle but the gauge shows full pressure:  
Most likely the nozzle is blocked.**



The pressure gauge shows full pressure, but from the nozzle comes only little water or no water at all.

(Inside the pressure gauge is no water but a filling with glycol to damp the vibration of the pointer.)

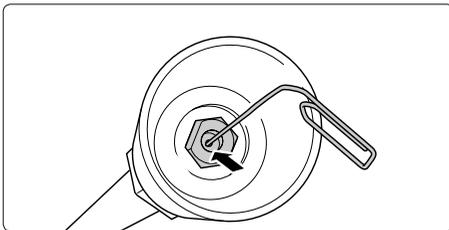
**Proceeding:**

Switch off the cleaner. Pull plug from the socket. Operate gun several times to decrease the pressure.

First unscrew gun and lance, then rinse hose from any residues.

Check water inlet filter for soiling.

If the problem still exists, take wire (paper clip) and push through nozzle opening.

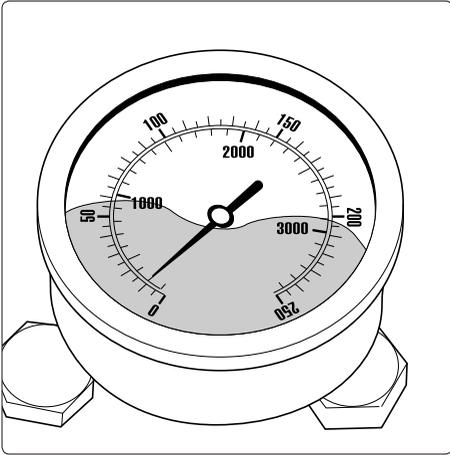


If this procedure is not successful, the nozzle has to be dismantled and cleaned or even replaced, if necessary.



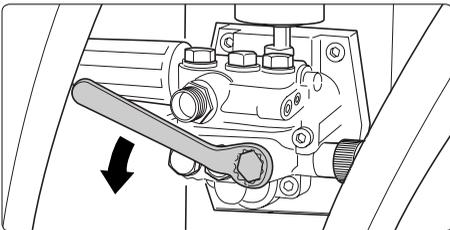
**CAUTION! Pull plug from socket prior to starting any repair work!**

■ **Pressure gauge shows little pressure, the water from the nozzle comes in squirts: Most likely the valves are soiled.**



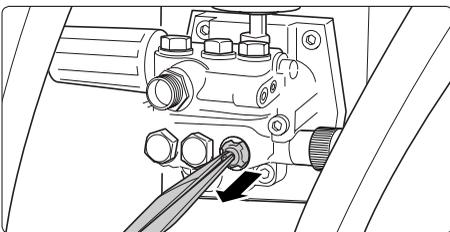
The pressure gauge shows little pressure despite fully turned up pressure regulation. The water from the lance comes in squirts. The HP hose vibrates.

(Inside the pressure gauge is no water but a filling with glycol to damp the vibration of the pointer.)



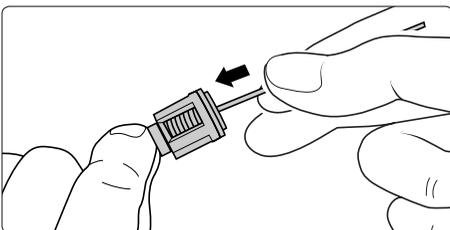
**Proceeding:**

Unscrew all 6 valves, one after the other (hexagonal brass screws, 3 in a row, vertically and horizontally)



Take out valve body (with green or red plastic coating) and O-ring by means of needle nose pliers.

Check O-ring for damage. In case of a damage the O-ring has to be replaced.

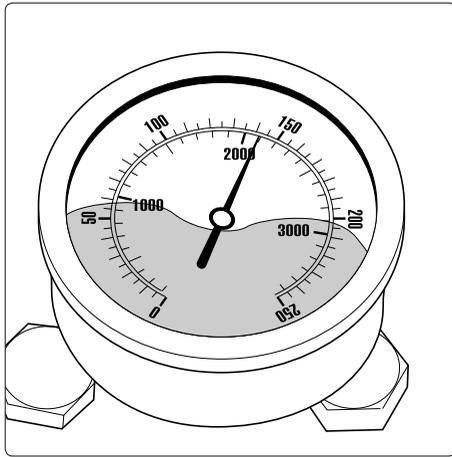


Take a wire and clean valves under running water.

Do not forget the O-ring during reassembly!

**22 Small repairs - do it yourself**

■ The pressure gauge shows full pressure although the gun has been closed. The pressure switch valve switches constantly..

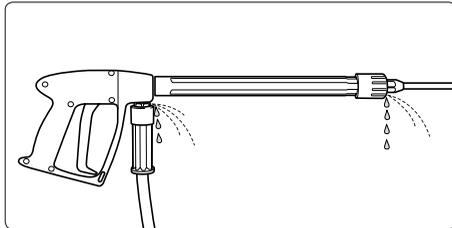
**Possible cause no.1: Leakage**

Having closed th gun, the HP cleaner must shut down and the pressure gauge must show „0“ bar.

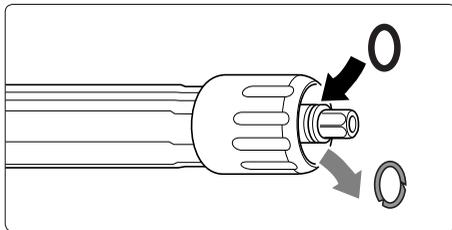
If the pressure gauge still shows full pressure and the motor constantly switches on and off, the possible reason for this can be a leakage of the pump, the HP hose or the lance.

**Proceeding:**

Check the connections from the HP cleaner to the the HP hose, from the hose to the gun and also the connection between lance and gun for tightness.



Switch off the cleaner. Shortly press the trigger of the gun to decrease the pressure.



Unscrew HP hose, gun and lance and check the O-rings.

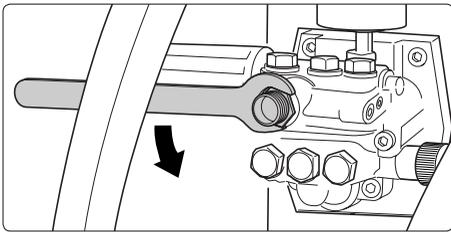
If the O-rings are damaged they have to be replaced.



**In case of a leakage there is no guarantee for possible consequential damages.**

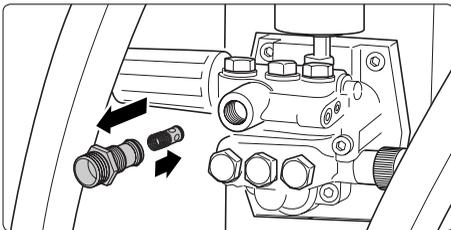
■ The pressure gauge shows full pressure although the gun has been closed. The pressure switch valve switches constantly.

**Possible cause no. 2: The non-return valve body is soiled or the O-ring at the non-return body is defective.**

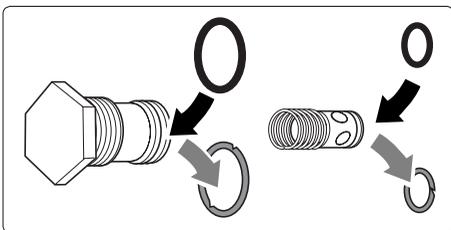


**Proceeding:**

Switch off machine and pull plug from socket. Stop water supply. Unscrew pump outlet.



Take out non-return valve body and check for soiling or damage of the O-ring.



Replace O-rings in case of damage..



**There is no guarantee if the pump is damaged by defective O-rings due to air induction or lack of water (cavitation).**

**24 EC declaration of conformity**

■ hereby we declare that  
the high-pressure cleaners:

**Kränzle Silent 120**

technical specifications available from:

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

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

:

**machinery directive 89/392/EEC,  
low-voltage directive 73/23 EEC,  
EMV-directive 89/336 EEC,  
noise directive 2000/14/EC, Art. 13,  
HP water spraying machines  
annex 3, part B, chapter 27**

**81 dB (A)**

Sound level measured:

**84 dB (A)**

Sound level guaranteed:

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

Applied specifications and standards:

I. Kränzle GmbH  
Elpke 97 D - 33605 Bielefeld

Bielefeld, 05.10.2005



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.

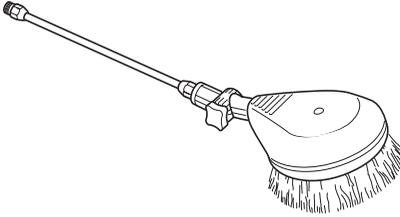
For high-pressure cleaners sold to the user the guarantee period is **24 month**.  
For high-pressure cleaners sold for industrial use the guarantee period is **12 month**.

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**.

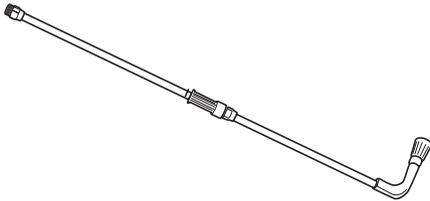
The guarantee is also void if the machine is used with exceeding the temperature and speed limits, a voltage below the required rating, with less than the required amount of water or with dirty water.

Pressure gauge, nozzle, valves, sleeves, high pressure hose and spray equipment are wear parts and are not covered by the warranty

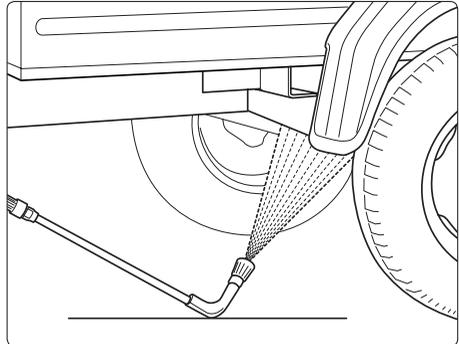
## Versatile due to Kränzle accessories



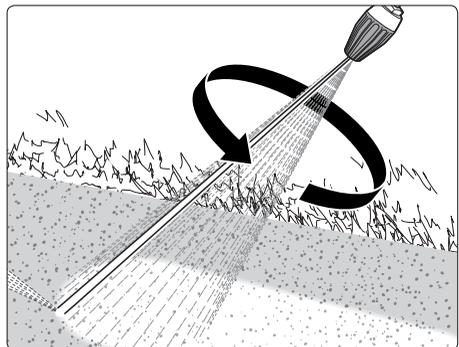
**Rotating washing brush with 400 mm extension, Order no. 41 050 1**

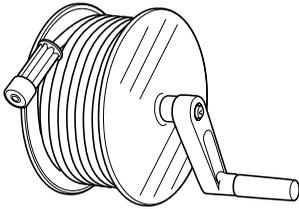


**Underbody lance with 800 mm extension, Order no. 41 075**

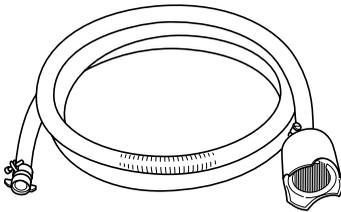
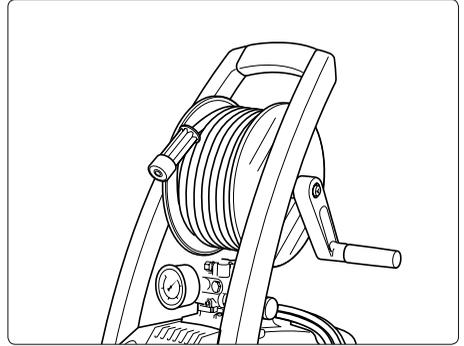


**Dirtkiller lance**  
(rotating point jet nozzle with intensive cleaning effect)  
Order no. 41.073 8

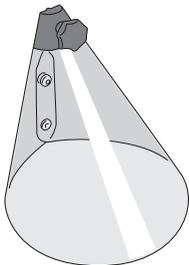
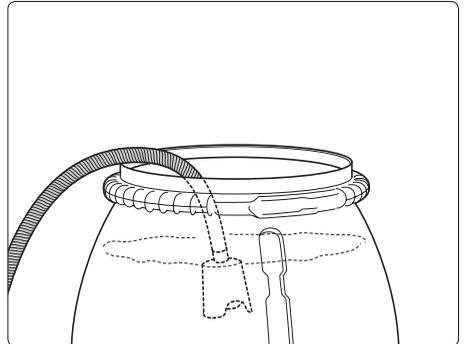




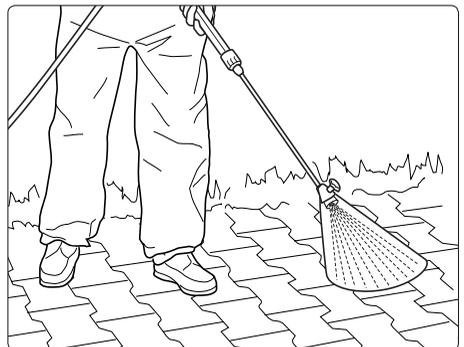
**Retrofit kit hose drum**  
with 15 m high-pressure hose  
Order no. 40.184 2

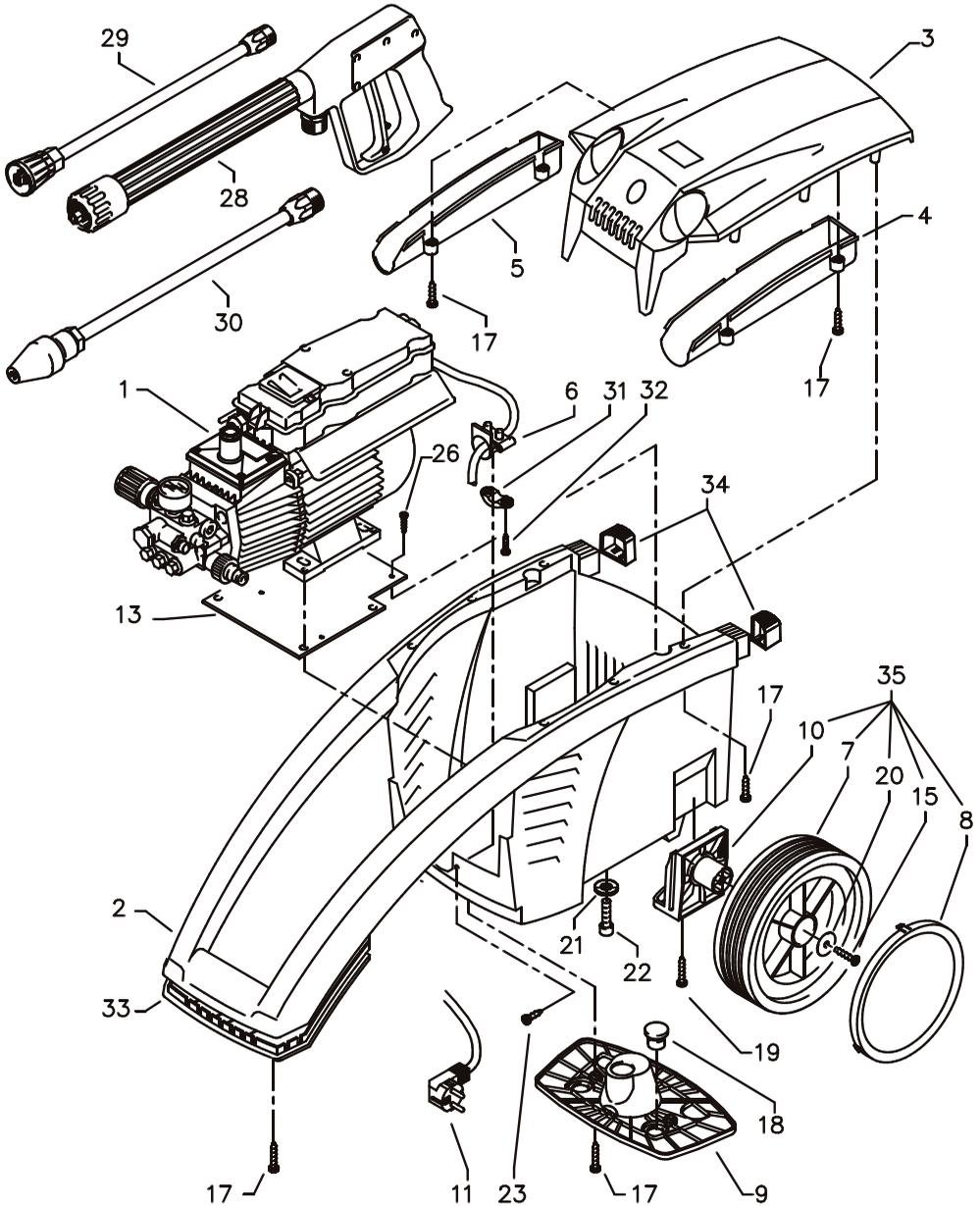


**Suction hose with suction filter**  
Order no. 15.038 3



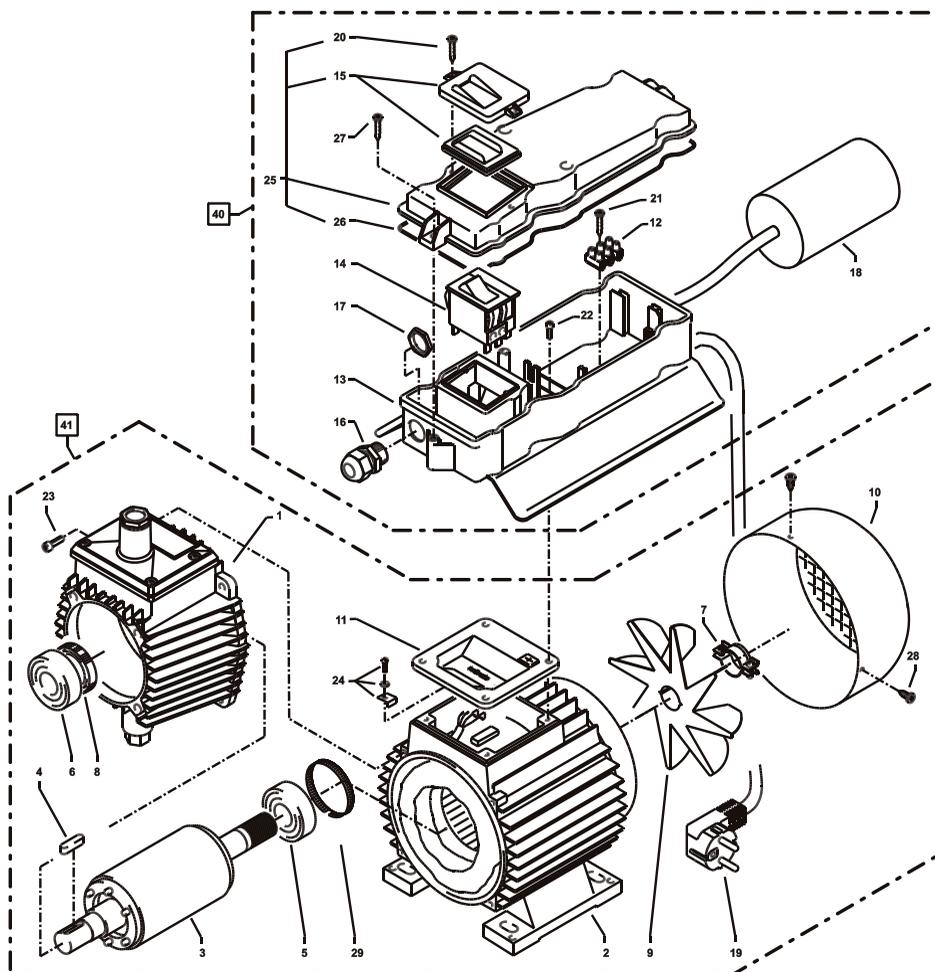
**Splash protection**  
Order no. .41.052



**28 Spare parts list Kränzle Silent 120****Complete assembly**

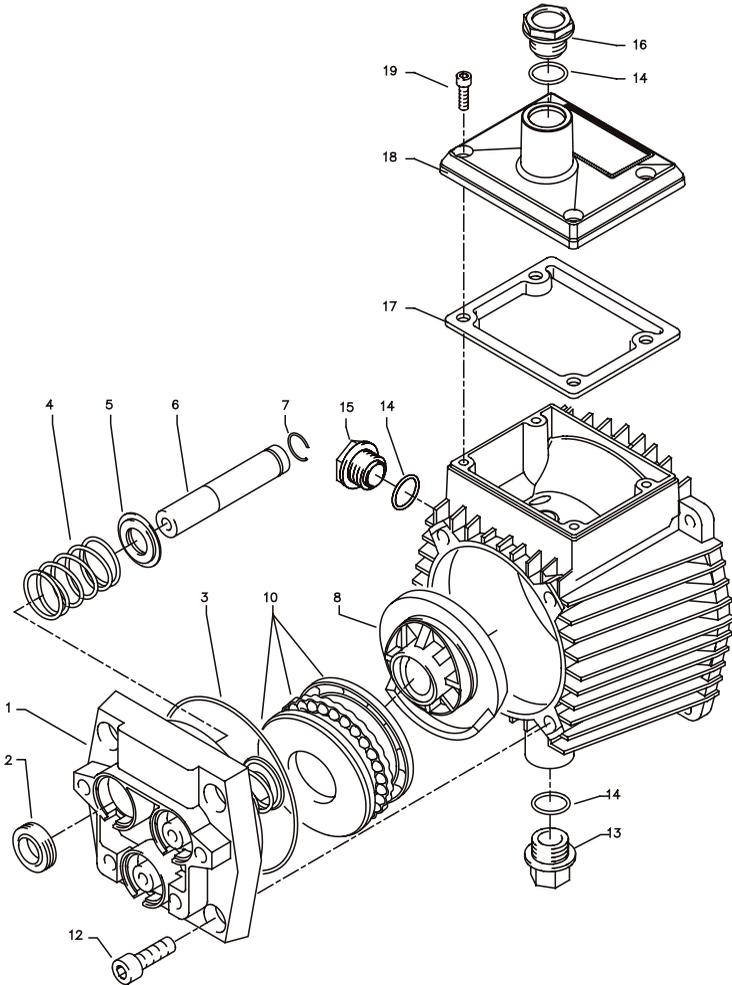
## Kränzle Silent 120 - Complete assembly

No	Description	Qty.	Ord.-No
2	Fahrgestell	1	44.502
3	Frontplatte „Silent 120“	1	44.503 4
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	45.2008
9	Kabelhalteplatte	1	44.505
10	Achse	2	44.504
11	Netzanschlusskabel	1	41.092
13	Versteifungsplatte	1	44.511
15	Kunststoffsenschraube 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 3
23	Kunststoffschraube 4,0 x 16	2	43.417
26	Kunststoffschraube 3,5 x 14	2	44.525
28	Midi-Pistole	1	12.160
29	Lanze mit Flachstrahldüse 028	1	12.392 5-M20028
30	Schmutzkiller 030	1	41.073 8
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

**30 Spare parts list Kränzle Silent 120****Motor**

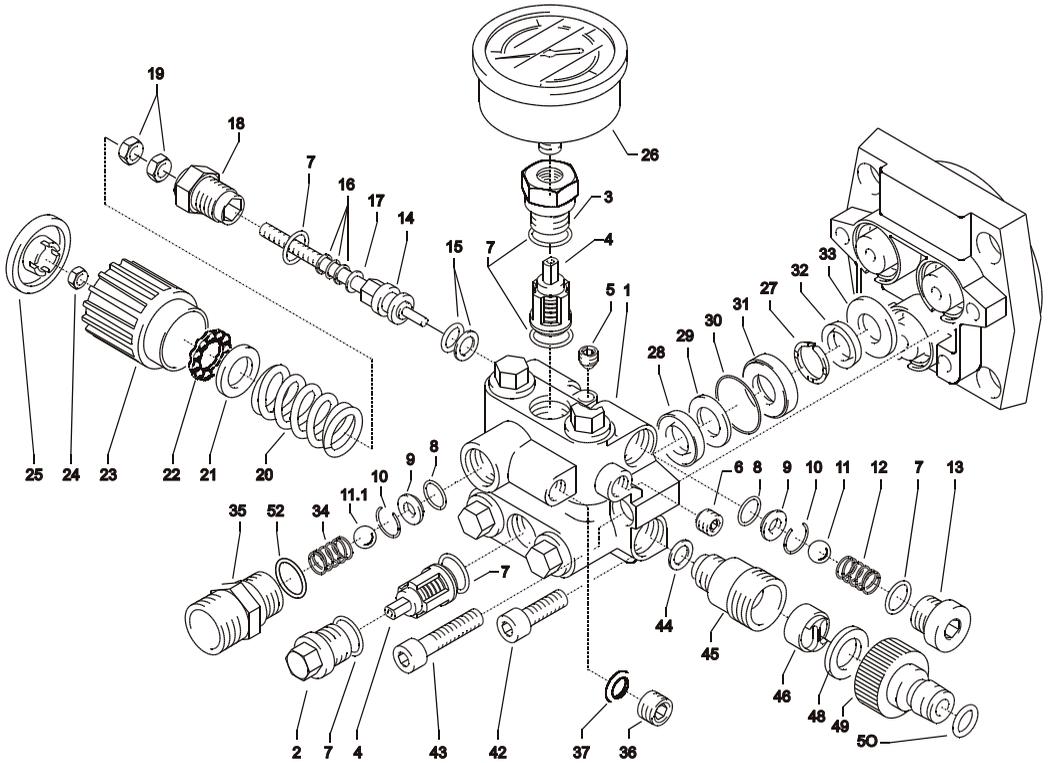
**Kränzle Silent 120 - Motor**
**31**

No	Description	Qty.	Ord.-No
1	Ölgehäuse mit Dichtung und Deckel	1	44.501
2	Stator	1	23.001 2
3	Motorwelle mit Rotor	1	43.104
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
7	Schelle für Lüfterrad	1	44.534 1
8	Öldichtung 25 x 35 x 7	1	41.024
9	Lüfterrad	1	44.534
10	Lüfterhaube	1	41.497
11	Flachdichtung	1	44.513
12	Lüsterklemme 2-pol.	1	43.031
13	Schaltkasten	1	44.508
14	Schalter 8,5 A	1	43.329
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
19	Netzkabel für 230V / 50/60Hz	1	41.092
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
41	Motor kpl.	1	44.586

**32 Spare parts list Kränzle Silent 120****Transmission unit**

**Kränzle Silent 120 - Transmission unit****33**

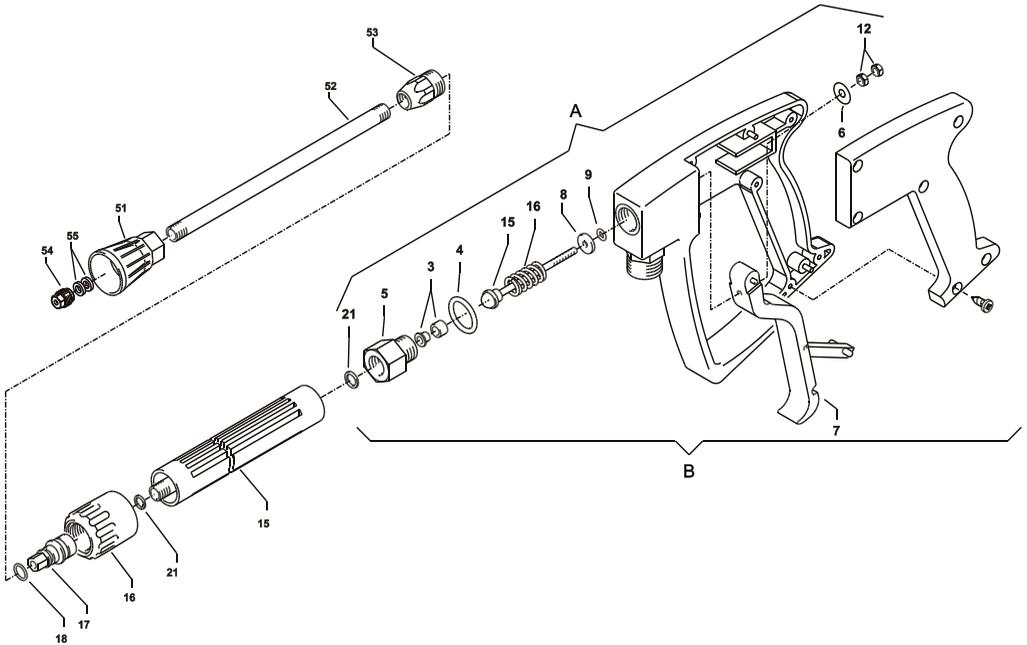
<b>No</b>	<b>Description</b>	<b>Qty.</b>	<b>Ord.-No</b>
1	Gehäuseplatte	1	43.003
2	Öldichtung 14 x 24 x 7	3	41.631
3	O-Ring 83 x 2	1	43.039
4	Plungerfeder	3	43.040
5	Federdruckscheibe 14 mm	3	43.041
6	Plunger 14 mm	3	43.005
7	Sprengring 14 mm	3	41.635
8	Taumelscheibe 12,5°	1	41.028-12,5
10	Axial-Rillenkugellager 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	3	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

**34 Spare parts list Kränzle Silent 120****Valve housing**

**Kränzle Silent 120 - Valve housing**
**35**

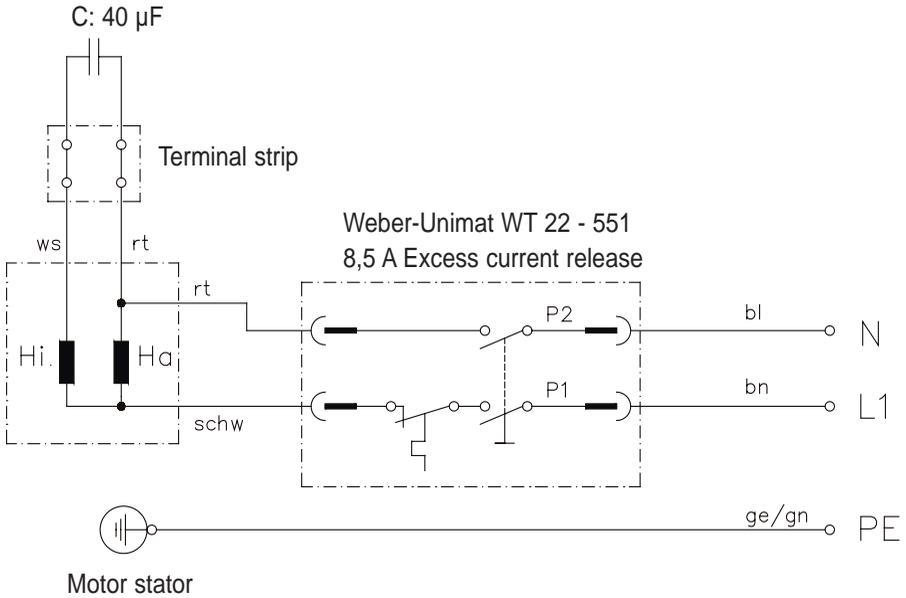
No	Description	Qty.	Ord.-No
1	Ventilgehäuse	1	44.523
2	Ventilstopfen	5	41.011
3	Ventilstopfen mit R1/4" IG	1	41.011 1
4	Ventile (rot)	6	41.612
5	Dichtstopfen M 8 x 1	1	13.158
6	Dichtstopfen M 10 x 1	1	43.043
7	O-Ring 12 x 2	15	15.005 1
8	O-Ring 11 x 1,5	2	12.256
9	Edelstahlsitz	2	14.118
10	Sicherungsring	2	13.147
11	Edelstahlkugel 8,5 mm	1	13.148
11.1	Edelstahlkugel 10,0 mm	1	12.122
12	Edelstahlfeder	1	14.119
13	Verschlusssschraube	1	14.113
14	Steuerkolben 6 mm für AZ	1	43.044
15	Parbaks für Kolben 14 mm	1	14.123 1
16	Parbaks für Spindel 6 mm	1	14.123 2
17	MS-Scheibe	1	43.045
18	Kolbenführung 6 mm	1	14.130 1
19	Mutter M 6	2	14.127 1
20	Feder schwarz für AZ-Pumpe	1	43.046
21	Federdruckscheibe	1	43.047
22	Kugellager	1	43.048
23	Handrad M 6 für AZ-Pumpe	1	43.049
24	Mutter M 6 mit SW 8	1	43.010
25	Kappe für Handrad AZ-Pumpe	1	43.050
26	Manometer	1	15.039
27	Stützring	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
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	Ausgangsteil für Kugelrückschlagv.	1	44.583
36	Verschlussstopfen	1	13.181
37	Aluminium-Dichtring	2	13.275
42	Innensechskantschr. M 8 x 25	2	40.053
43	Innensechskantschr. M 8 x 40	2	43.059
44	Dichtring Kupfer	1	14.149
45	Sauganschluss	1	41.016
46	Wasserfilter	1	41.046 2
48	Gummi Dichtring	1	41.047 1
49	Steckkupplung	1	41.047 2
50	O-Ring	1	41.047 3
52	O-Ring 18 x 2	1	43.446
	Repair kit valves 6 x Pos. 4, 12 x Pos. 7		41.648
	Repair kit sleeves 3 x Pos. 28, 3 x Pos. 29, 3 x Pos. 30, 3 x Pos. 32		43.060
	Valve housing compl. Pos. 1 - 25, Pos. 27 - 43		44.584
	Guide piston with gasket Pos. 14, Pos. 15		44.532
	Guide piston compl. w. handwheel		44.532 1

# Spare parts list Kränzle Silent 120 Gun with lance



No	Description	Qty.	Ord.-No
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
28	Aluminium-Dichtring	6	13.275
51	Düsenschutz M12x1	1	26.002 1
52	Rohr 400 mm; bds. M12x1	1	15.002
53	ST 30 Nippel M 22 x 1,5 / R1/4" m. ISK	1	13.363
54	Flachstrahldüse 028	1	M20028
A	Rep.-Kit Pos: 3, 4, 5, 8, 9, 12, 15, 16; 21		12.158
B	Handle compl.		12.164
	Midi-gun with extension		12.160
	Lance compl. with HP-nozzle 028		12.392 5-M20028

Wiring diagram Kränzle Silent 120







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w w w . k r a e n z l e . c o m



**I. Kränzle GmbH**  
**Elpke 97**  
**D - 33605 Bielefeld**

Reprint only allowed with the authorization of Kränzle

As date of 28-08-2007

Subject to technical modifications. Order no. 30.762 1