

# Operating manual

## High-pressure cleaners

**kränzle**<sup>®</sup>

**1132**

[www.kraenzle.com](http://www.kraenzle.com)



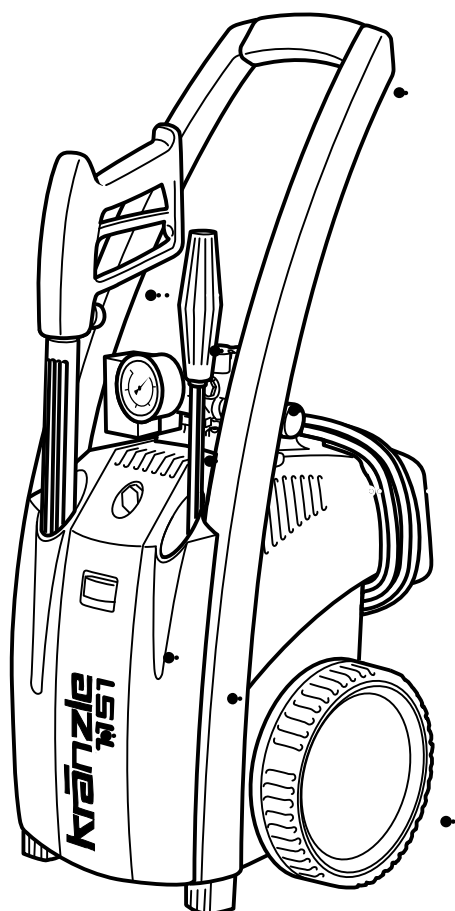
**Read and conform safety instructions before use!**

**- GB -**



## **2** Description of appliance

Kränzle 1132



- Ergonomically shaped handle
- High-pressure gun
- High-pressure injector for detergents
- Special brass pump head
- Large stainless steel manometer
- Continuously adj. pressure control
- Cable reel with 5 m cable
- On/Off switch with motor protection
- Receptacle for Vario-Jet lance and Dirtkiller
- Receptacle for high-pressure gun
- Integrated trolley takes steps and rough ground in its stride

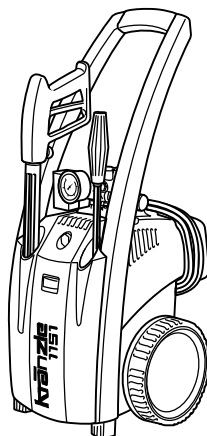
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## 4 Technical data

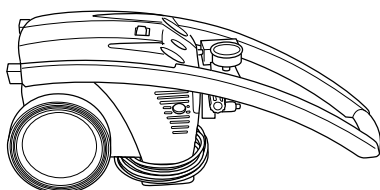


**Kränzle 1132**

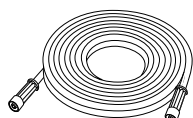
<b>Operating press. continuously adj.</b>	10 - 130 bar (1900 PSI) (1 - 13 MPa)
<b>Nozzle size</b>	25045
<b>Permissible overpressure</b>	150 bar (15 MPa)
<b>Water output</b>	at 2,800 r.p.m. 10 l/min
<b>Water inlet temperature</b>	max. 60 °C
<b>Hose drum</b>	no
<b>Steel-weave high-pressure hose</b>	10 m
<b>Detergent suction</b>	yes
<b>Total stop system</b>	no
<b>Connected load</b>	230 V~, 12.0 A, 50 Hz
<b>Power input</b>	P 1 - 2.8 kW
<b>Power output</b>	P 2 - 2.0kW
<b>Weight</b>	22 kg
<b>Dim. incl. pulling handle in mm</b>	300 x 330 x 800
<b>Sound level acc. to DIN 45 635</b>	88 dB (A)
<b>Sound level with Dirtkiller</b>	90 dB (A)
<b>Acoustic power <math>L_{WA}</math></b>	93 dB (A)
<b>Recoil at lance</b>	approx. 27 N
<b>Vibration at lance</b>	1.9 m/s <sup>2</sup>
<b>Order no.</b>	<b>41.240</b>

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

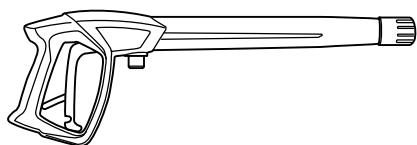
## This is what you have purchased

**5**

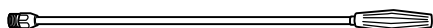
**1.** Kränzle high-pressure cleaner **1132**



**2.** 10 m steel-weave high-pressure hose  
but without hose drum



**3.** Safety spray gun with insulated handle  
and screw connection



**4.** Vario-Jet lance with stainless steel pipe



**5.** Operating manual

## **6 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:**

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. If it becomes necessary during repairs, or because the oil has a greyish colour to perform an oil change, then the oil draining screw should be opened and the oil emptied into a container. 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.**

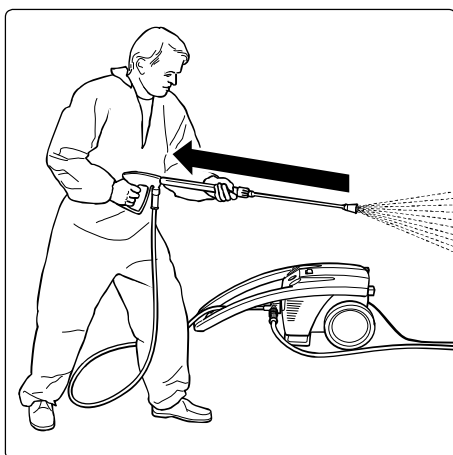


**Oil leakage: If oil leaks contact your nearest after-sales service (dealer) at once. (Ecological damage, damage to the transmission)**

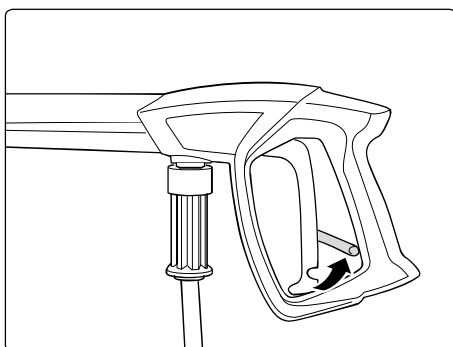


**In case of increased humidity or fluctuations in temperature development of condensed water is possible; if the oil turns grey, you must change it.**

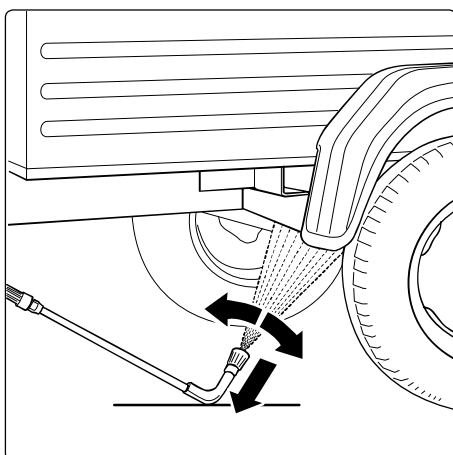
## Safety precautions



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

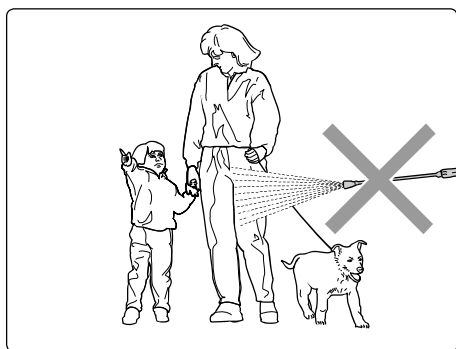


Apply the safety catch on the spray gun after each use, in order to prevent unintentional spraying!

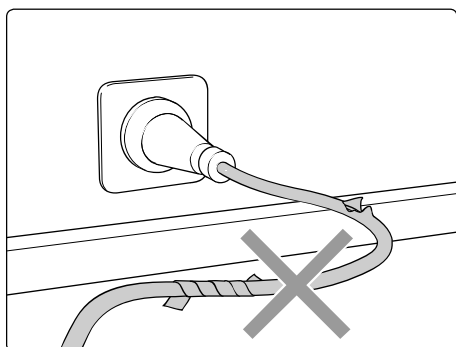


Always aim the underbody lance! Bear in mind when using a curved or angled spraying lance that there is a significant amount of torque in the recoil!

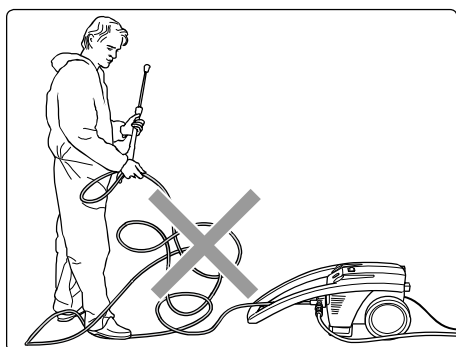
**8 Safety precautions – This is prohibited!**



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

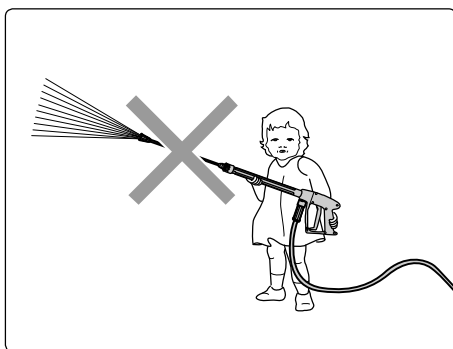


**Only use power cables which are in perfect working order! Do not damage the power cable or repair it incorrectly!**

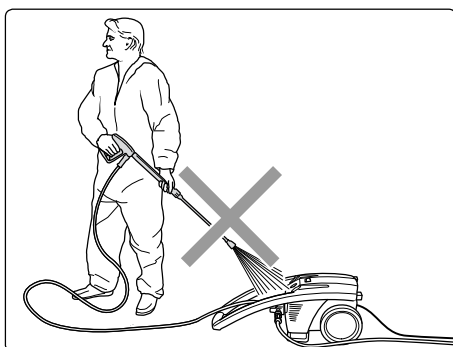


**Never pull the high pressure hose if it has formed kinks or "nooses"! Never pull the hose over sharp edges!**



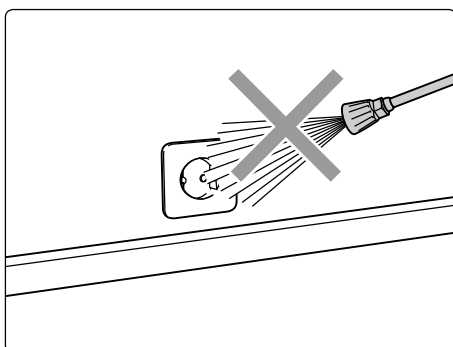


**Never allow children to use the high pressure cleaner!**



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

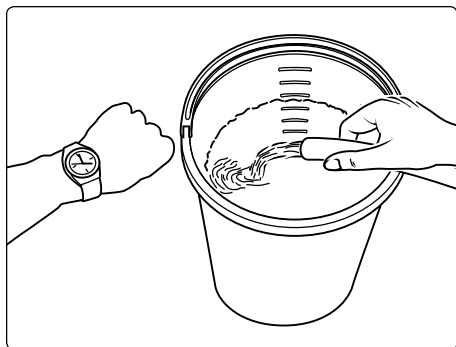
**The machine may not be placed within reach of the water jet spray mist!**



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

## 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 10 litres per minute must be available to guarantee a trouble-free operation of the Kränzle 1132.**



**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)**

### ■ Water supply



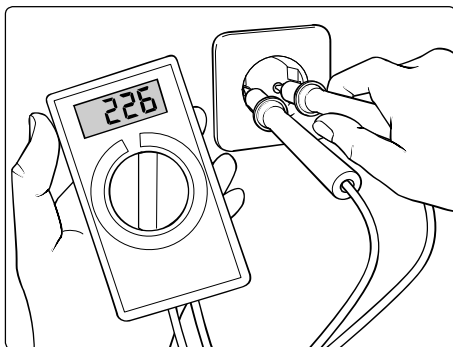
Please pay attention to the regulations of your waterworks company!

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 non-return valve with tube ventilator (Kränzle order no. 41.016 4) is built into the water supply. **Once the water has passed through the non-return valve it is no longer considered as drinking water.**

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 1132:**  
230 V ~, 12,0 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 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 minimum cross section must be **2.5 mm²**! 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 (1-10 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 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 pressure gauge must show 0 bar.

The increase in pressure when the trigger gun is closed causes the pressure control valve-safety valve to open. The motor is switched off by the pressure switch. When the trigger gun is opened, the pressure control valve - safety valve closes, the motor is started 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.**

**Defective high-pressure hoses must not be repaired (acc. to DIN 20022) but have to be replaced by new hoses approved by the manufacturer.**

## ■ Explanatory symbols affixed to the high-pressure cleaner

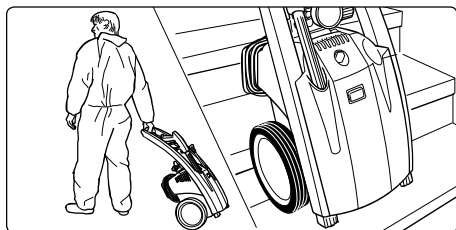


Operate high-pressure cleaner in horizontal position only.  
Never direct the high-pressure jet at people or animals.  
Never direct the water jet at power sockets or any other electrical installations!



**The high-pressure cleaner may only be operated in horizontal position!**

## **14** Putting into operation

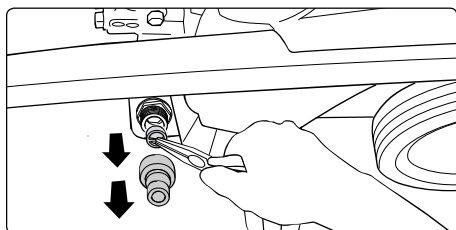


**1.** Move high-pressure cleaner to the job site. The Kränzle 1132 is a movable machine with sturdy trolleys ideally suited for difficult terrain and stairs.

### ■ Setting up – Location

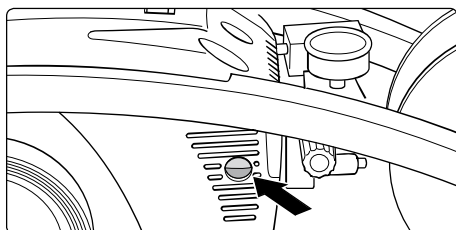


**Neither set up or operate the machine in rooms where there is a risk of fire or explosion nor put it into puddles. Do not use the machine under water.**



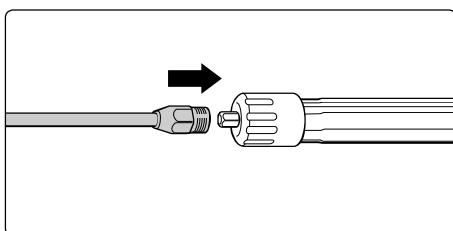
**2.** Check water inlet filter for cleanliness prior to putting the machine into operation!

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

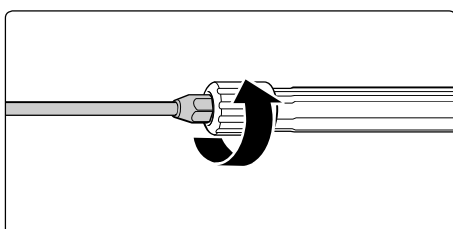


**3.** Each time check oil level at oil-level glass prior to putting HP cleaner into operation. (Take care that cleaner is in horizontal position!)

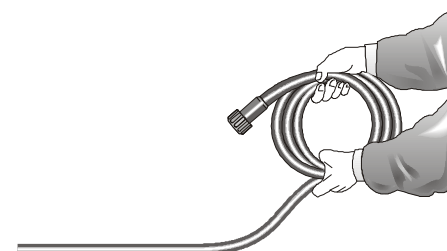
The oil level must be visible in the oil-level glass.



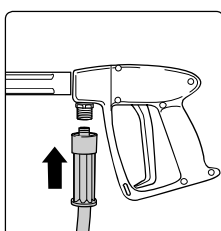
**4.** Push on lance or Dirtkiller lance to gun.



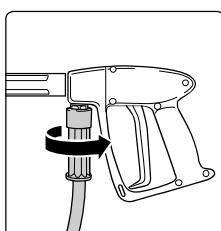
**5.** Screw together lance and gun.



**6.** Unwind the high pressure hose without leaving kinks or „nooses“ (When using hose extensions take care that the max. length of 20 m is not exceeded!)



**7.** Push on HP hose to gun.



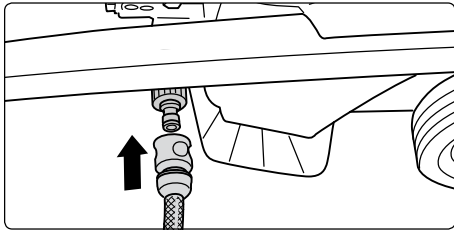
**8.** Tightly screw together HP hose and gun.

## ■ Be careful when using hot water!



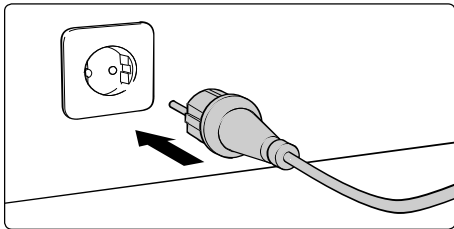
**When running your high pressure cleaner with hot water of 60° C raised temperatures occur. Do not touch the metal parts of the cleaner without safety gloves!**

## **16** Putting into operation



### **9.** 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.

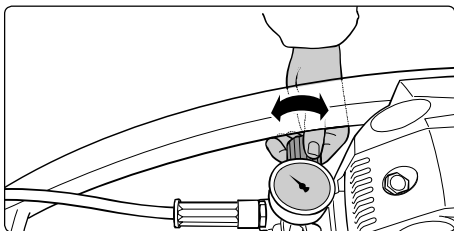


### **10.** Connect to circuit.

**Kränzle 1132:**

**230 V ~, 12.0 A, 50 Hz**

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



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

**Kränzle 1132: max. 130 bar**



### **12.** Put HP cleaner into horizontal position.

**These machines must be operated in horizontal position!**

Deaeration of the appliance: Pull and release the trigger several times.

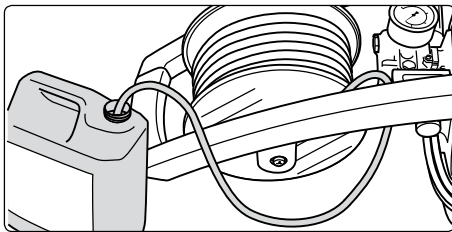
Switch on high-pressure cleaner with **opened** spray gun. Start cleaning task.



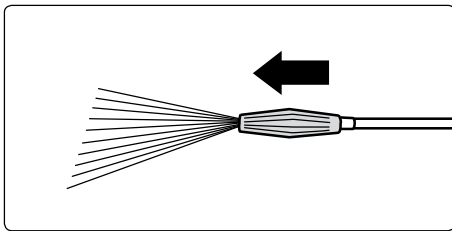
## Suction of detergents

### ■ When using cleansing agents

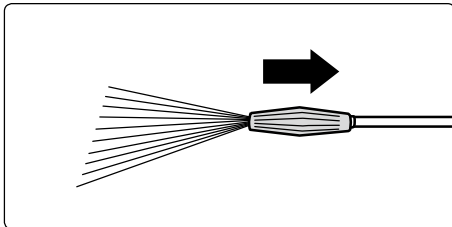
Suction of cleansing agents by means of the detergent injector is only possible if the Vario Jet lance is fitted. The lance must be set to low pressure.



**1.** Please chemicals filter into container with cleansing agent.



**2.** To reach the low pressure push Vario nozzle to the front so that the injector can suck in the cleansing agent.



**3.** The chemicals supply is automatically stopped when closing the Vario nozzle by pushing it backwards. Let cleansing agent take effect and then spray off with a high-pressure jet.



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

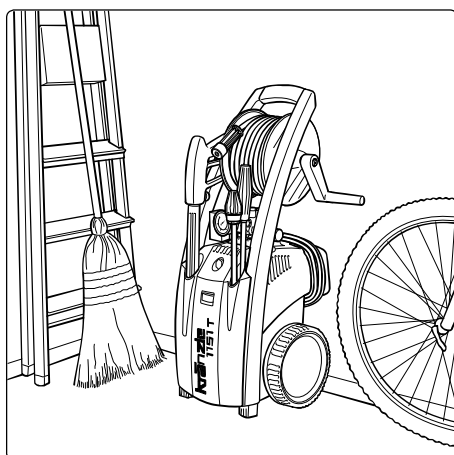


**Caution: dissolvents!**  
Never suck in liquids containing solvents like varnish solvents, petrol, oil or similar liquid! Observe specifications of detergent manufacturers! Seals inside the appliance are not resistant against solvents! The spray mist of solvents is highly inflammable, explosive and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

## **18 To shut down the pump**

01. Switch off the machine
02. Cut off the water supply
03. Open the spray gun briefly until the pressure is released
04. Apply the safety catch on the spray gun
05. Remove the water hose and spray gun
06. Drain the pump: switch on the motor for approx. 20 seconds
07. Pull the plug from the socket
08. Clean HP hose and wind up
09. 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 1151 T/1151 cleaners can be stored practically anywhere.

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## Guarantee

**19**

■ 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**.

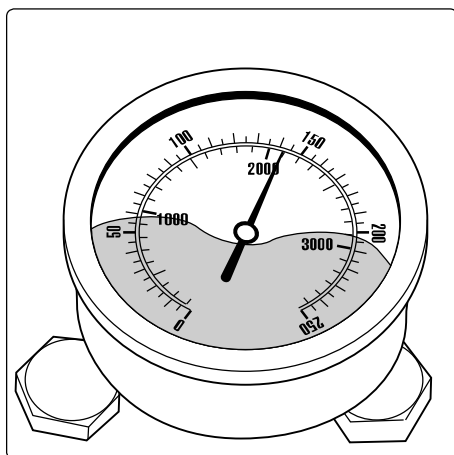
In the case of a guarantee please contact your dealer or authorized seller delivering accessories and your purchase receipt. You can find them in the internet under **[www.kraenzle.com](http://www.kraenzle.com)**.

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.

## **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.)

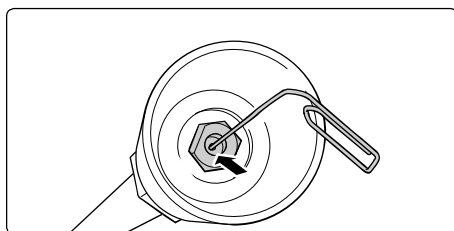
### **Proceeding:**

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.

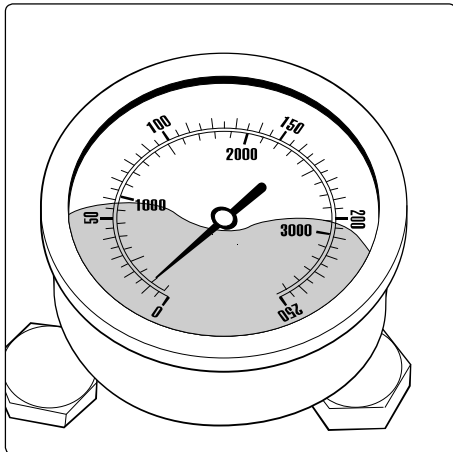


If this procedure is not successful, the nozzle has to be dismantled and cleaned or even replaced, if necessary.



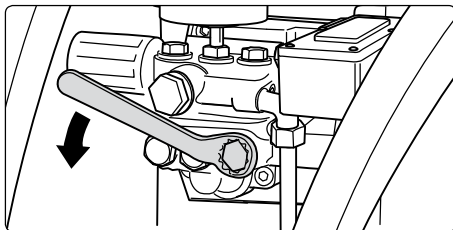
**CAUTION! Pull plug from socket prior to starting any repair work!**

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



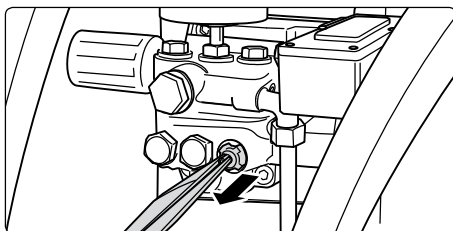
The pressure gauge shows little pressure despite fully turned up pressure regulation. The water from the lance comes in squirts. The HP hose vibrates.

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

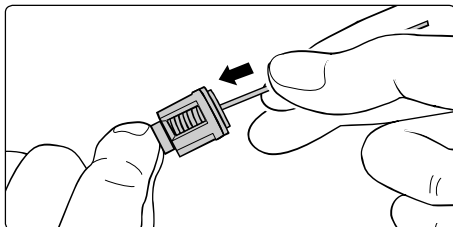


### Proceeding:

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.



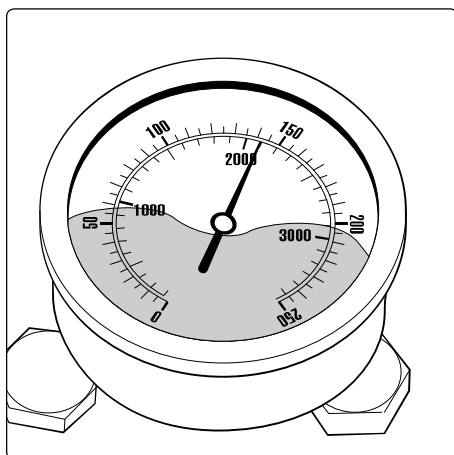
Take a wire (paper clip) and clean valves under running water.

Do not forget the O-ring during reassembly!

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**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 the 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.

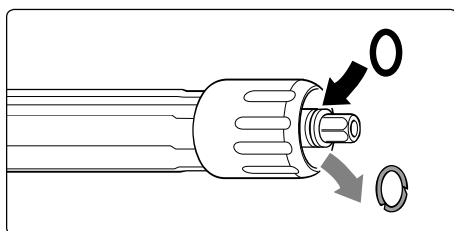
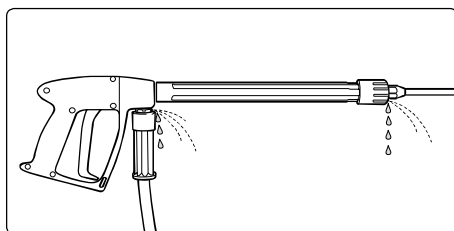
**Proceeding:**

Check the connections from the HP cleaner to the 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.

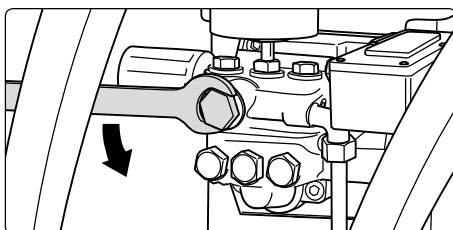


**In case of a leakage there is no guarantee for possible consequential damages.**

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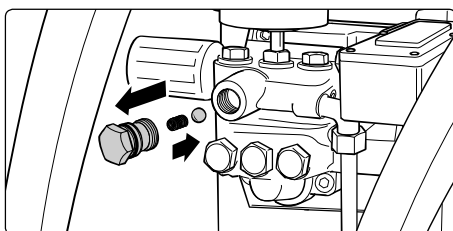
■ The pressure gauge shows full pressure although the gun has been closed. The pressure switch valve switches constantly.

**Possible cause no. 2: The non-return valve is soiled or defective.**

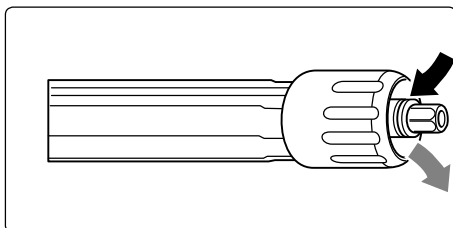


**Proceeding:**

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



Take out check ball and check for soiling or damage of ball or stainless steel seat inside the pump housing.

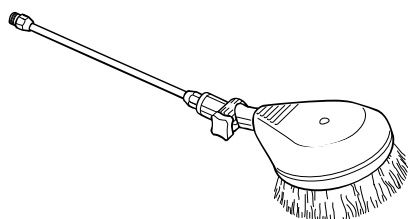


Replace non-return valve if necessary.

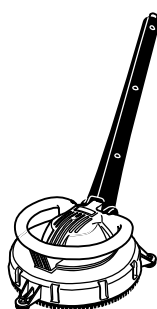


**There is no guarantee if the pump is damaged by defective O-rings due to air induction or lack of water (cavitation).**

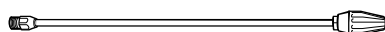
**24** Versatile due to Kränzle accessories



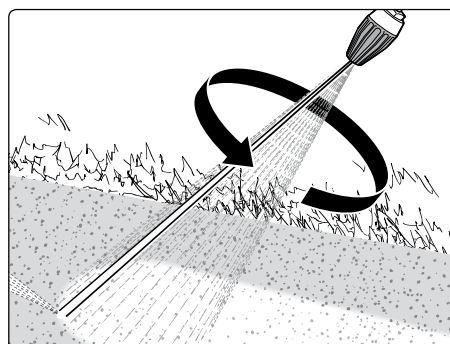
**Rotating washing brush with 400 mm extension, Order no. 41 050 1**



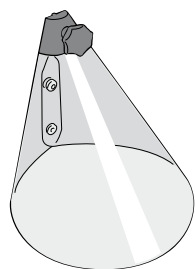
**Floor cleaning appliance round cleaner UFO, Order no. 41.850**



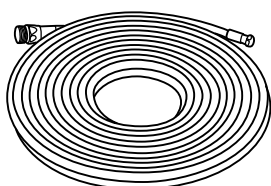
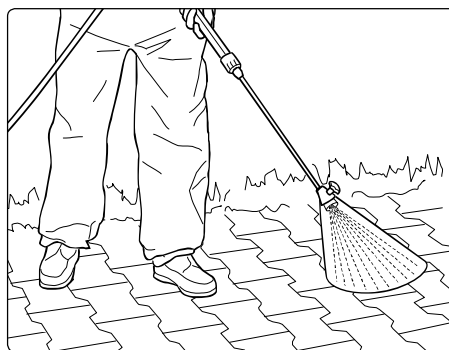
**Dirtkiller lance**  
(rotating point jet nozzle with intensive cleaning effect)  
Order no. 41.570-042



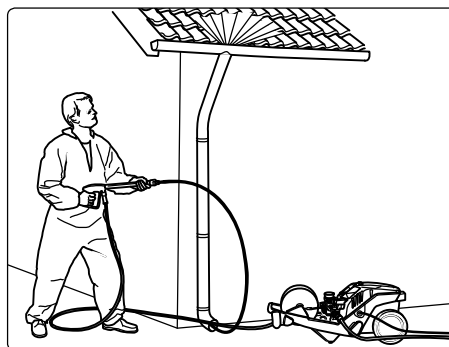




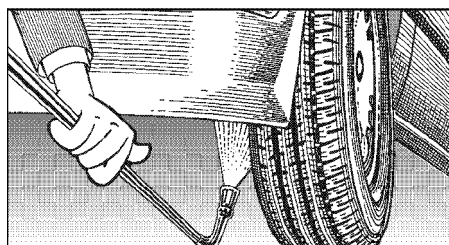
**Spray guard**  
Order no. 41.052



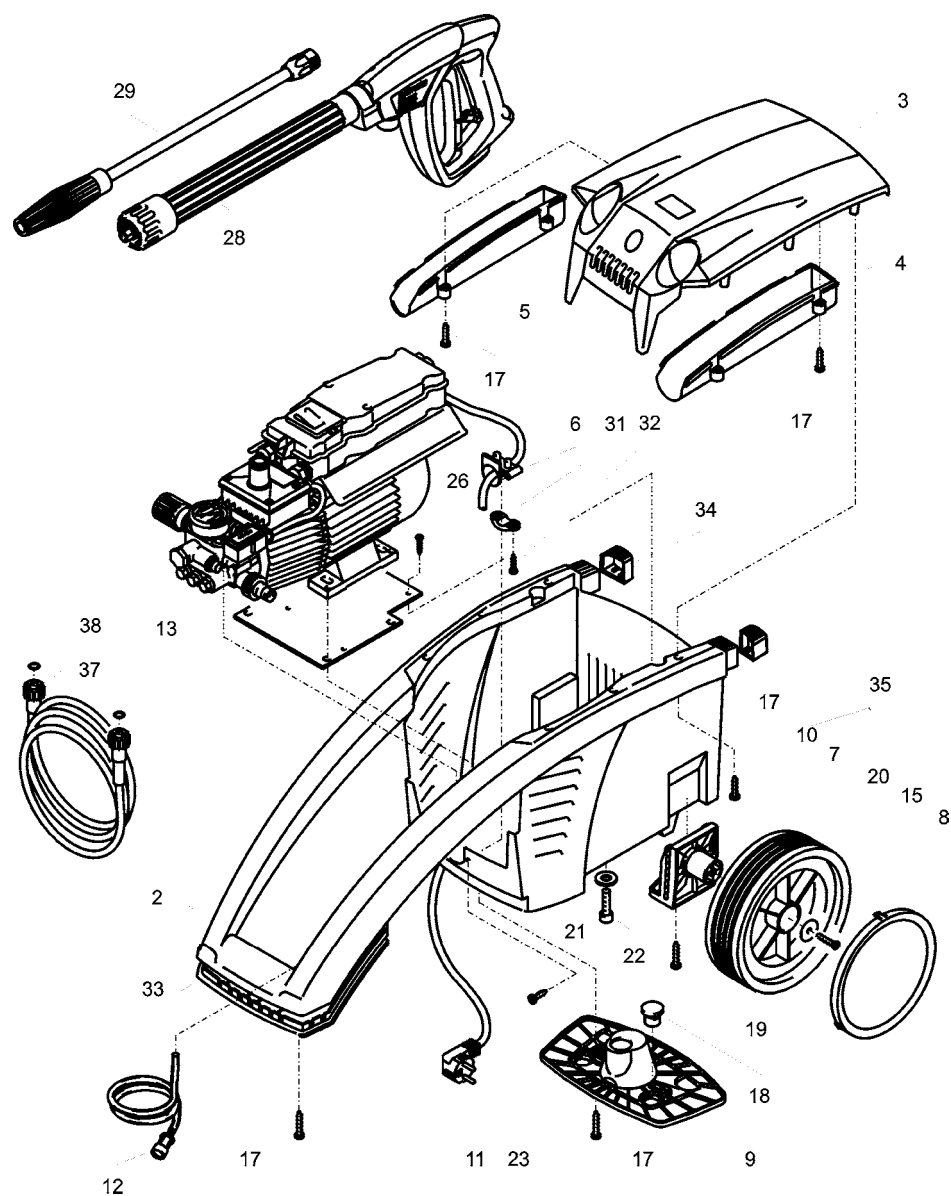
**Pipe cleaning hose with nozzle,**  
**10 m** - order no. 41.058 1  
**15 m** - order no. 41.058  
**20 m** - order no. 41.058 2



**Unterbodenlanze**  
Best.-Nr. 41.075



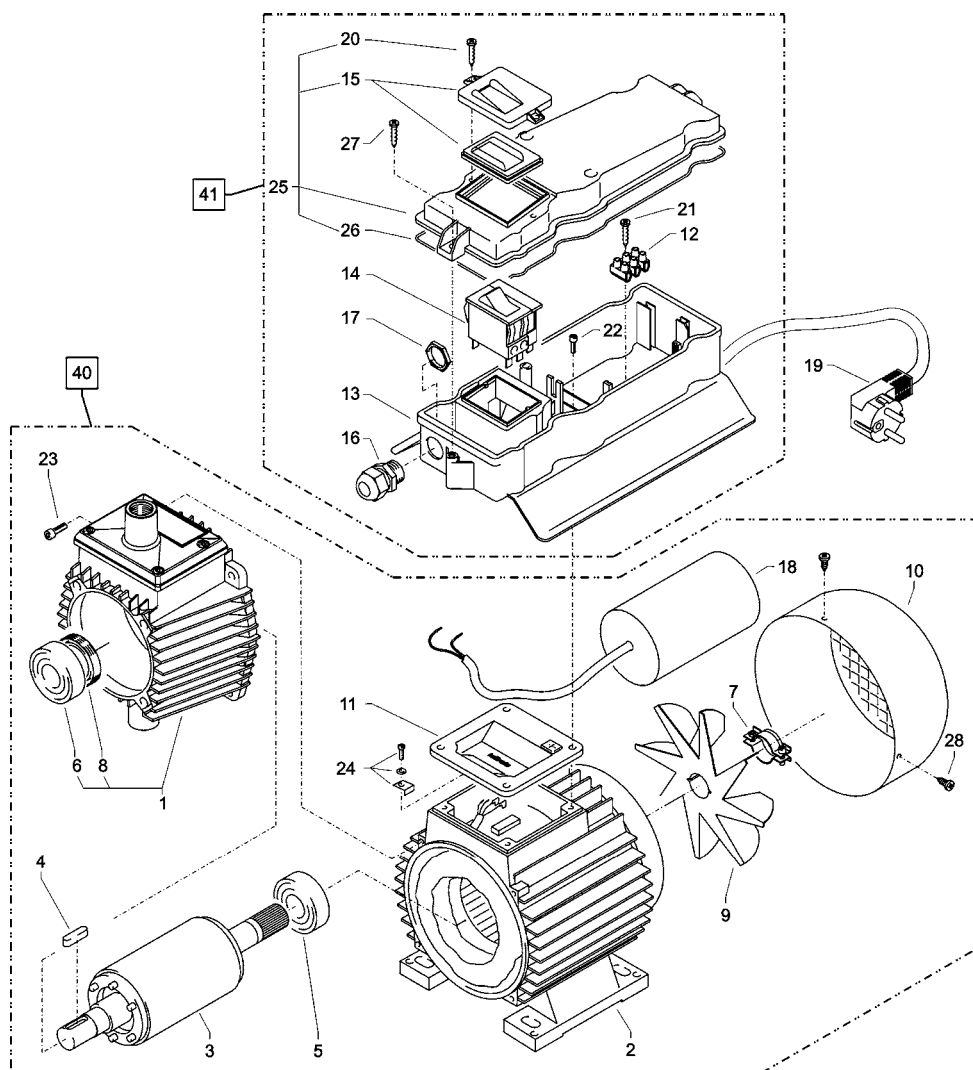
**26 Spare parts list Kränzle 1132**



**Kränzle 1132 - Complete assembly**
**27**

No	Description	Qty.	Ord.-No
2	Fahrgestell	1	44.502
3	Frontplatte „ K 1132 „	1	44.503 8
4	Köcher groß	1	44.506
5	Köcher klein	1	44.507
6	Knickschutz	1	44.509
7	Rad	2	44.538
8	Radkappe	2	45.200 8
9	Kabelhalteplatte	1	44.505
10	Achse	2	44.504
11	Netzanschlusskabel	1	41.092
12	Chemikaliensaugschlauch mit Filter	1	15.038
13	Versteifungsplatte	1	44.511
15	Kunststoffsensschraube 5,0 x 20	2	45.421 1
17	Kunststoffschraube 5,0 x 20	20	43.018
18	Auflagepuffer	2	44.510
19	Kunststoffschraube 5,0 x 30	2	43.418
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
26	Kunststoffschraube 3,5 x 14	2	44.525
28	Pistole M2000 mit ISO-Handgriff	1	12.489
29	Vario-Jet 042 kpl. mit Lanze	1	41.156 8-042
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
37	HD-Schlauch NW 6 10 m	1	43.416
38	O-Ring 9,3 x 2,4	2	13.273

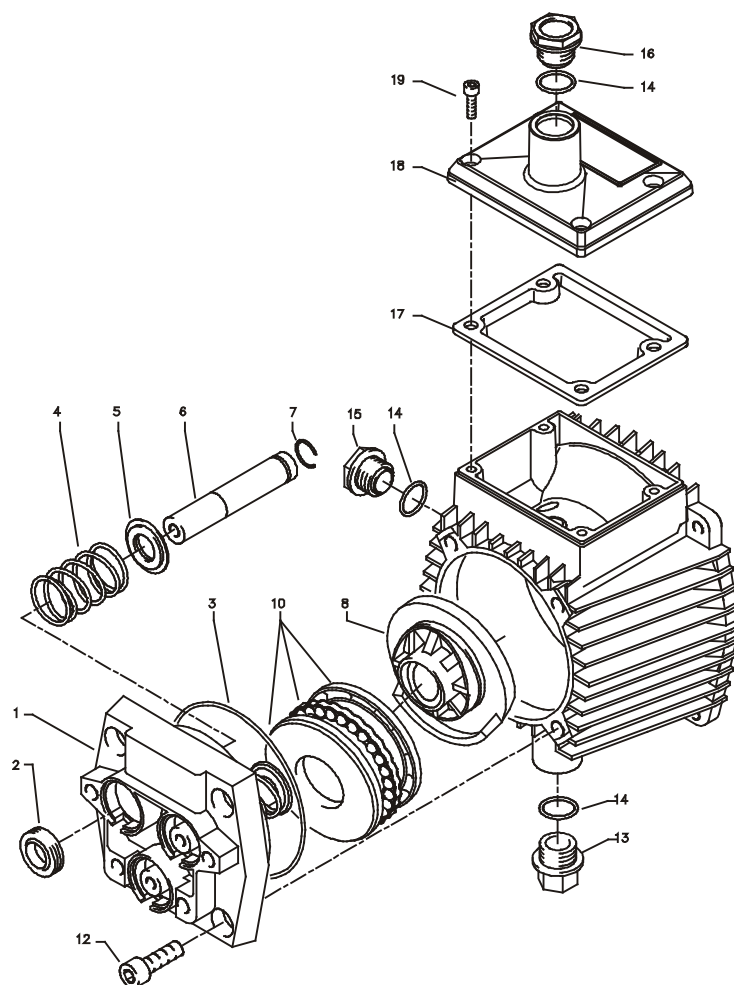
## 28 Spare parts list Kränzle 1132 Motor



**Kränzle 1132 - Motor**
**29**

No	Description	Qty.	Ord.-No
1	Ölgehäuse mit Dichtung, Deckel		
	Öldichtung, Schulterlager	1	44.501
2	Stator	1	23.002 4
3	Motorwelle mit Rotor	1	43.024
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 3-pol.	1	43.031 2
13	Schaltkasten	1	44.508 5
14	Schalter 12 A	1	43.033
15	Klemmrahmen mit Schalterabdichtung	1	43.453
16	Kabelverschraubung PG 11 mit Knicks.	1	41.091
17	Gegenmutter PG 11	1	44.521
18	Kondensator 40 µF	1	43.035
19	Netzkabel für 230V / 50/60Hz	1	41.092
20	Blechschraube 3,5 x 9,5	2	41.088
21	Blechschraube 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 20	4	43.018
28	Blechschraube 3,9 x 9,5	3	41.636
40	Motor kpl.	1	44.530
41	Schaltkasten kpl.	1	44.585 2

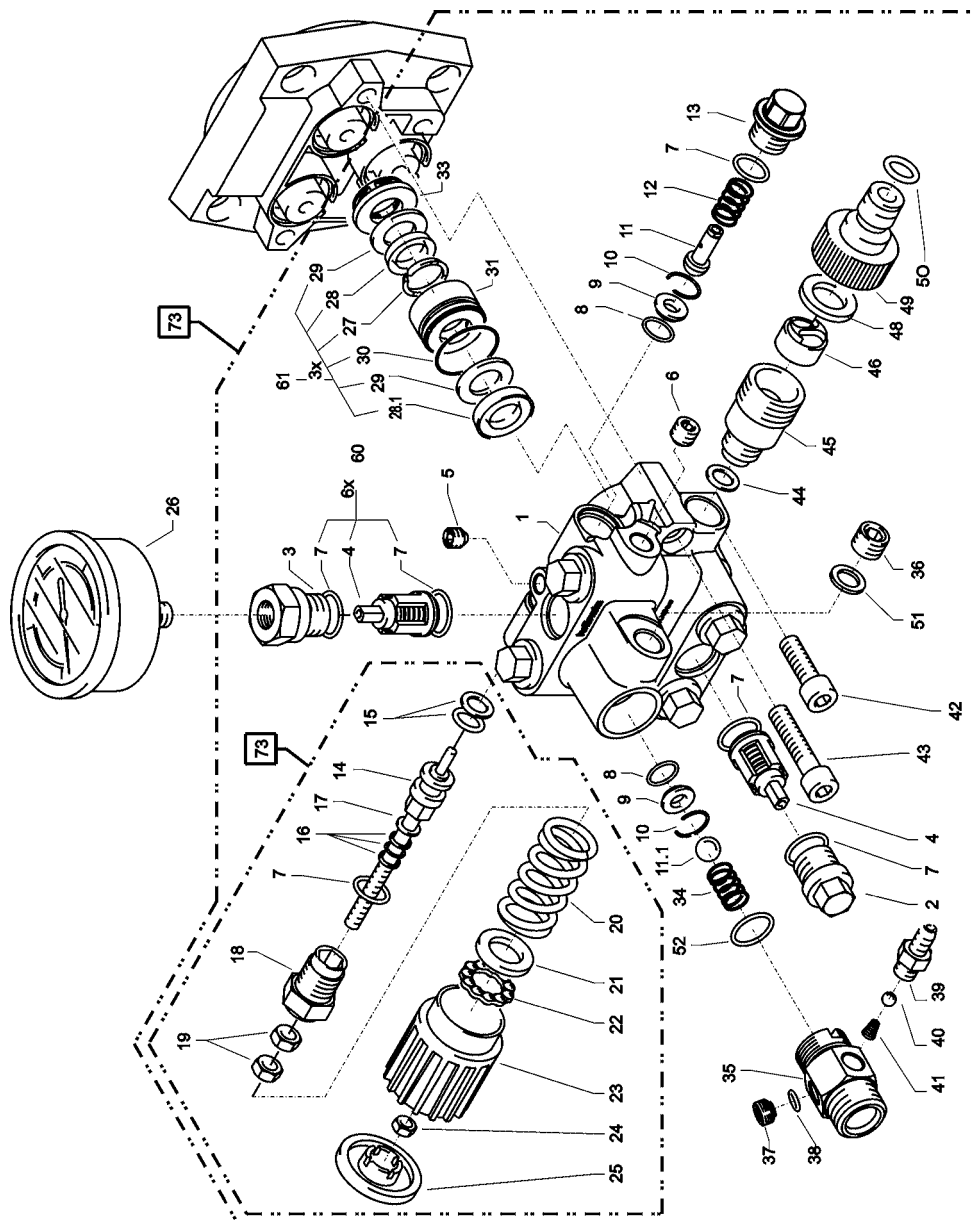
**30 Spare parts list Kränzle 1132**  
Transmission unit



**Kränzle 1132 - Transmission unit**
**31**

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 9,25°	1	41.028-9,25
10	Axial-Rillenkugellager 3-teilig	1	43.486
12	Innensechskantschraube M 8 x 25	4	40.053
13	Ölablassstopfen M18x1,5 mit Magnet	1	48.020
14	O-Ring 14 x 2	3	43.445
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

**32** Spare parts list Kränzle 1132  
Valve housing



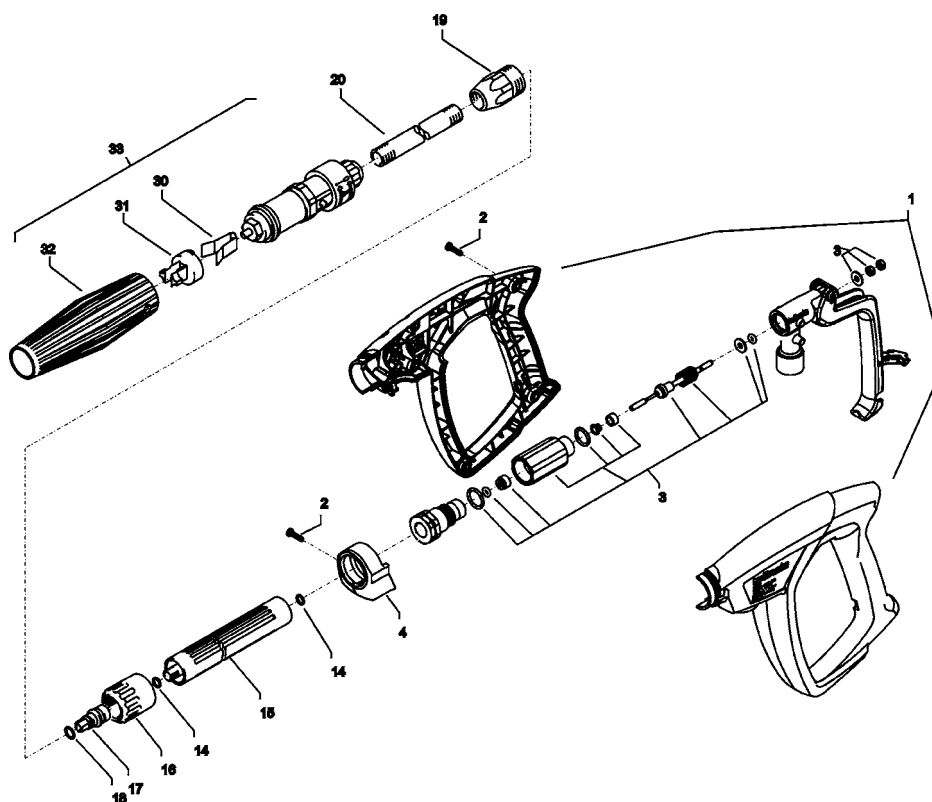


## Kränzle 1132 - Valve housing

**33**

No	Description	Qty.	Ord.-No
1	Ventilgehäuse	1	49.020 1
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	14	15.005 1
8	O-Ring 11 x 1,5	2	12.256
9	Edelstahlsitz	2	14.118
10	Sicherungsring	2	13.147
11	Anlaufentlastungsventil	1	49.041
11.1	Edelstahlkugel 10,0 mm	1	12.122
12	Edelstahlfeder	1	49.042
13	Verschlussschraube	1	49.043
14	Steuerkolben 6 mm für AZ	1	44.532
15	mit Dichtungen		
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	41.618
28	Manschette 14 x 24 x 5/2,5	3	41.613
28.1	Gewebe-Manschette 14 x 24 x 5/2,5	3	41.613 1
29	Backring 14 x 24	6	41.614
30	O-Ring 24 x 2	3	49.024
31	Leckagering	3	49.022
33	Zwischenring mit Abstützung	3	43.055
34	Rückschlagfeder	1	14.120 1
35	Ausgangsst. Inj. ST30 M22x1,5 (K1151)	1	44.544
	Incl. , 2x37, 2x38, 39, 40, 41, 52		
36	Verschlusstopfen	1	13.181
37	Verschlussschraube M10x1	1	13.385
38	O-Ring 6x1,5	2	13.386
39	Saugzapfen Schlauchanschluss	1	13.236
40	Edelstahlkugel 5,5 mm	1	13.238
41	Edelstahlfeder	1	13.239
42	Innensechskantschr. M 8 x 25 - A2	2	40.053
43	Innensechskantschr. M 8 x 45 - A2	2	41.017
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
51	Aluminium-Dichtring	2	13.275
52	O-Ring 18 x 2	1	43.446
60	Rep.-Satz Ventile (rot)		41.648
61	Reparatur-Satz Manschetten		49.053
70	Steuerkolben kpl. m. Handrad		44.632 1
73	Ventilgehäuse kpl. K1132		44.565

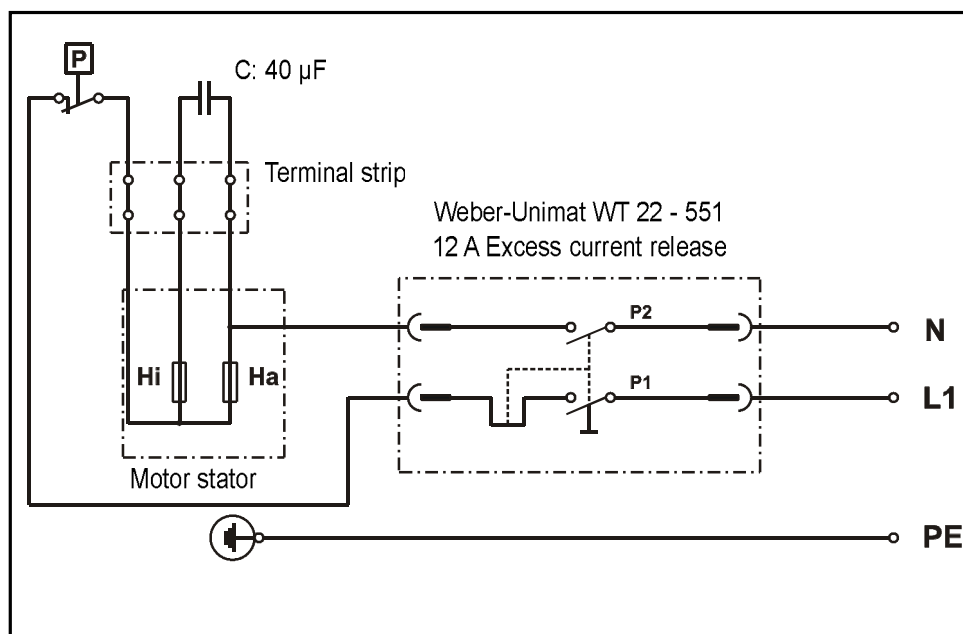
**34** Spare parts list Kränzle 1132  
Gun with lance



**Kränzle 1132 - Gun with lance**
**35**

No	Description	Qty.	Ord.-No
1	Pistolenschale kurz rechts + links	1	12.455
2	Schraube 3,5 x 14	11	44.525
3	Reparatursatz M2000		12.454
4	Abschlusskappe	1	12.459
14	Aluminium Dichtring	2	13.275 1
15	Rohr kunststoffspritzt 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 AG / M 12 x 1	1	13.363
20	Rohr 500 lang, bds. M12 x 1	1	41.527 1
30	Klemmstück	1	41.155 2
31	Halterung für Klemmstück	1	41.155 4
32	Kunststoffhülle	1	41.155 1
33	Vario-Jet 042	1	41.155 6
<b>M2000-Pistole mit ISO-Handgriff</b>			<b>12.489</b>
<b>Lanze kpl. mit Vario-Jet 042</b>			<b>41.156 8-042</b>

**36** Wiring diagram Kränzle 1132



## EC declaration of conformity

**37**

Hereby we declare that: **Kränzle 1132**

technical specifications available from: **Manfred Bauer, Fa. Josef Kränzle**  
**Rudolf-Diesel-Str. 20, 89257 Illertissen**

Nominal flow **K 1132: 600 l/h**

comply with the following guidelines **machinery directive 2006/42/EEC,**  
and their amendments for high-pressure **EMC-directive 2004/108 EEC,**  
cleaners: **noise directive 2005/88/EC, Art. 13,**  
HP water spraying machines  
annex 3, part B, chapter 27

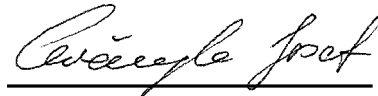
Sound level measured: **91 dB (A)**  
Sound level guaranteed: **93 dB (A)**

Applied conformity evaluation procedures **annex V, noise directive 2005/88/EC**

Applied specifications and standards: **EN 60 335-2-79 :2004**  
**EN 55 014-1 :2006**  
**EN 61 000-3-2 :2006**  
**EN 61 000-3-3 :2008**

I. Kränzle GmbH  
Elpke 97 D - 33605 Bielefeld

Bielefeld, 03.09.2012



Kränzle Josef  
(Managing director)

## Inspection report for HP cleaners

HP cleaners for industrial use have to be checked by an expert every 12 months! Inspection report on annually carried out Labour Safety Inspection (UVV) according to the Guidelines for Liquid Spray Equipment. (This inspection sheet serves as proof for the completion of the retest and must be kept carefully!) Kränzle test seals: Order no. UVV200106

Owner: \_\_\_\_\_ Type: \_\_\_\_\_  
 Address: \_\_\_\_\_ Serial no.: \_\_\_\_\_  
 \_\_\_\_\_ Rep. order no.: \_\_\_\_\_

Scope of inspection	o.k.	yes	no	repaired
Type plate (on hand)				
Operating manual (on hand)				
Protective covering, -device				
Pressure line (tightness)				
Pressure gauge (function)				
Float valve (tightness)				
Spraying device (marking)				
HD-hose / connector (damage, marking)				
Safety valve opens at 10 % / 20 % exceeding of operating pr.				
Power cable (damage)				
Protective conductor (connected)				
On / Off switch				
Used chemicals				
Allowed chemicals				

Inspection data	determined value	set value
High-pressure nozzle		
Operating pressure.....bar		
Switch off pressure.....bar		
Conductor resist. not exceeded / value		
Insulation		
Leakage current		
Gun locked		

### Inspection result (tick)

☐ The appliance was checked by an expert according to the Guidelines for Liquid Spray Equipment, the defects found have been rectified so that the Labour Safety can be confirmed.

☐ The appliance was checked by an expert according to the Guidelines for Liquid Spray Equipment. The Labour Safety cannot be confirmed unless the defects found are rectified by repair or replacement of the faulty parts

The next retest according to the Guidelines for Liquid Spray Equipment has to be carried out by: Month \_\_\_\_\_ Year \_\_\_\_\_  
 Place, date \_\_\_\_\_ Signature \_\_\_\_\_

# Inspection report for HP cleaners

**39**

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Allowed chemicals				

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Operating pressure.....bar		
Switch off pressure.....bar		
Conductor reist. not exceeded / value		
Insulation		
Leakage current		
Gun locked		

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- ☐ The appliance was checked by an expert according to the Guidelines for Liquid Spray Equipment. The Labour Safety cannot be confirmed unless the defects found are rectified by repair or replacement of the faulty parts

The next retest according to the Guidelines for Liquid Spray Equipment has to be carried out by: Month \_\_\_\_\_ Year \_\_\_\_\_  
Place, date \_\_\_\_\_ Signature \_\_\_\_\_

**kränzle®**

Reprint only allowed with the authorisation of Kränzle.

Effective 24.01.2013



Subject to technical modifications. Order no: 30 804 1