

# **High pressure cleaners**



B 10/200

B 13/150

B 16/220



**Operating manual  
Read and conform  
safety instructions  
before use**

# Description

## Dear Customer

We would like to congratulate you on your new portable/mobile high pressure cleaner and to thank you for the purchase.

To ease your introduction to the use of the cleaner, we have provided the following pages of explanations, tips and hints.

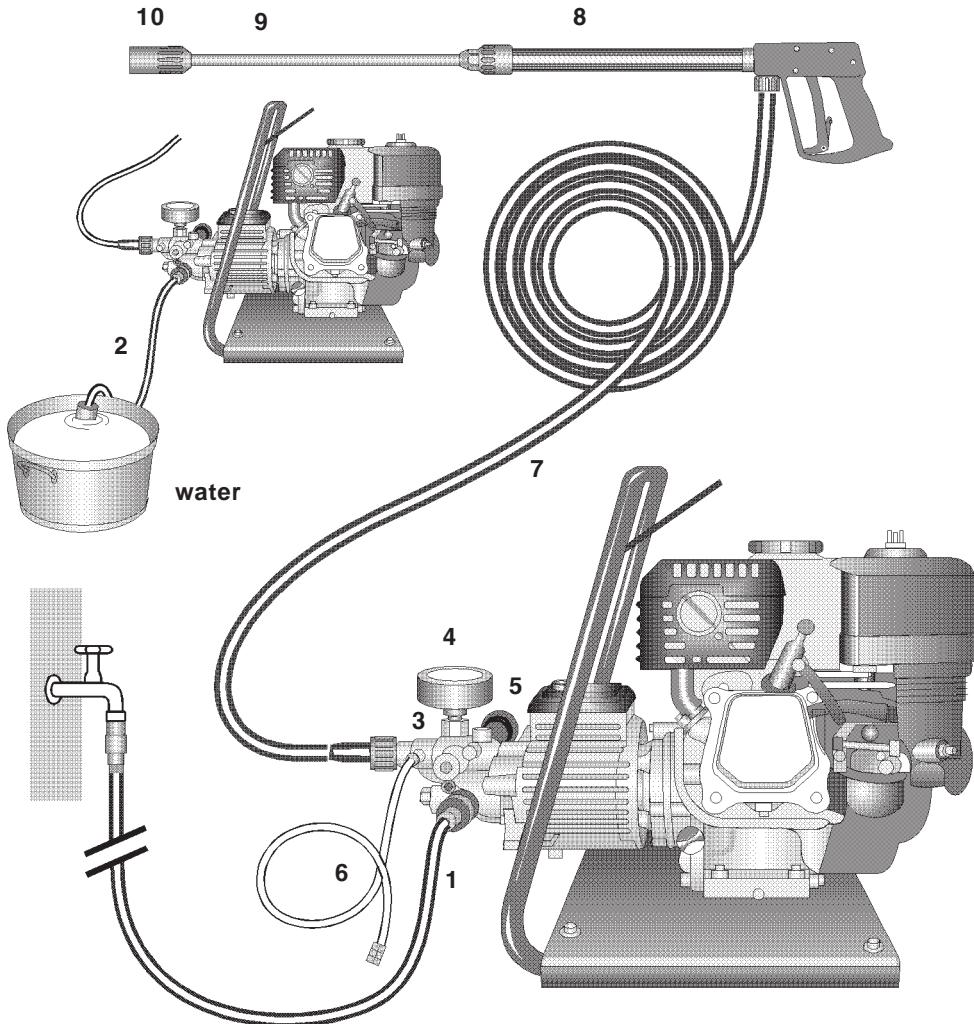
The equipment will assist you professionally in all cleaning tasks, e.g.:

- **facades**
- **flagstones**
- **terraces**
- **vehicles of all types**
- **sheds**
- **barrels and containers**
- **machines**

technical specifications	B 10/200	B 13/150	B 16/220
operating pressure, steplessly adjustable	10 - 200 bar	10 - 150 bar	10 - 220 bar
permissible overpressure	220 bar	165 bar	240 bar
water output	at 1800 rpm 10 l/min	at 1800 rpm 13 l/min	at 1800 rpm 16 l/min
hot water input up to	70 °C	70 °C	70 °C
suction height	2,5 m	2,5 m	2,5 m
high pressure hose with hose drum	10 m -	10 m 15 m	10 m 15 m
engine	Honda GX 200 LX	Honda GX 160 CX	Honda GX 340 CX
weight	22 kg	24 kg	26 kg
Guaranteed sound level L <sub>WA</sub>	103 dB(A)	103 dB(A)	103 dB(A)
Vibrations at lance	2,0 m/s <sup>2</sup>	2,1 m/s <sup>2</sup>	2,2 m/s <sup>2</sup>
recoil at lance	approx. 32 Nm	approx. 27 Nm	approx. 38 Nm
order No.			
<b>portable</b>	<b>41.182</b>	<b>41.170</b>	
<b>with undercarriage</b>	<b>41.182 1</b>	<b>41.170 1</b>	<b>41.173 2</b>
<b>with undercarriage and hose drum</b>		<b>41.170 2</b>	<b>41.173 3*</b>
<b>with speed control *</b>			<b>41.173</b>

Permissible tolerance for figures ± 5 % in accordance with VDMA uniform sheet 24411

# Description



## Construction

The KRÄNZLE B 10/200 + B 13/150 + B 16/220 - high pressure cleaners are portable/mobile machines. The design can be seen from the diagram.

### Item

- |  |  |
|--|--|
| 1 Water inlet connection with filter                                 | 6 Injector for cleaning agents<br>(not with B10/200) |
| 2 Suction hose with filter<br>(special accessory) order No. 15.038 3 | 7 High pressure hose                                 |
| 3 High pressure pump   | 8 Spray gun assembly                                 |
| 4 Pressure gauge with glycerin filling                               | 9 Interchangeable lance                              |
| 5 Unloader valve - safety valve                                      | 10 Regulator nozzle                                  |
|  | 10a B10/200 only with dirt-killer                    |

# Description

## Water - and Cleang - Care System

Water can be connected at mains pressure to the high pressure pump or it can be sucked directly from a storage tank.

The water is then forced under pressure by the high pressure pump to the lance.

The high pressure jet is formed by the nozzle at the end of the lance.

Cleaning and caring agents can be mixed with the water by a low pressure injector.  
(not with B10/200)



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

## Lance with trigger gun

The machine can only be operated when the safety trigger is squeezed.

When the lever ist 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 ist released, the trigger gun closes and any further spraying of liquid from the lance ist stopped.

The increase in pressure when the trigger gun is closed causes the unloader valve-safety valve to open. The pump remaines switched on and continues to pump liquid through the pump at reeducated pressure.

When the trigger gun ist opened, the unloader valve - safety valve closes and the pump ressumes pressure spraying from the lance.



The trigger gun is a safety device. Repairs should only be performed by qualified persons. Should replacement parts be required, use only components authorized by the manufacturer.

## Unloader valve - safety valve

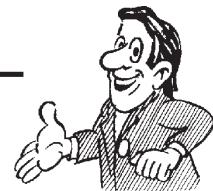
The unloader valve - safety valve protects the machine from a build-up of excess pressure, and is designed not to permit an excess pressure to be selected for operating. The limit nut on the handle is sealed with a spray coating.

The operating pressure and spray rate can be steplessly adjusted by tuning the handle.



Replacements, repairs, new adjustments and sealing should only be performed by qualified persons.

# Description



**For the motor follow the Honda operating manual only.**

## **Motor-safety: (see Honda operating manual)**

Honda motors are safe and reliable if they are operated correctly. Read the operating manual carefully before using the motor and try to understand the contents of the manual completely.

Not following this advice could lead to injuries or damage of the equipment.



To avoid a possible fire hazard and to ensure the necessary ventilation the motor has to be operated at a distance of at least 1 m from buildings and objects. Inflammable objects have to be kept away from the surrounding area of the motor.

Children and pets have to be kept away from the motor, as there is a danger of suffering burns from hot motor parts and to be injured by equipment driven by the motor.

Get to know the motor and especially learn how to switch it off quickly. Do not allow persons to operate the motor who are not familiar with it.

## **Setting up: Location**



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

## **CAUTION !**



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

## **CAUTION !**



When running your high pressure cleaner with hot water of 70° C raised temperatures occur.

**Do not touch the machine without safety gloves.**

# Description



## Brief operating instructions

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. Switch on the motor while the spray gun is open and commence cleaning.
5. After completing the work, completely empty the pump (switch the motor on for approximately 20 seconds without the suction and pressure hose).  
Afterwards you can roll up the high pressure hose.  
- 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 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 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 spray device supplied with the machine are made of high grade material, they are also optimized for the machine and marked as required by the appropriate regulations.



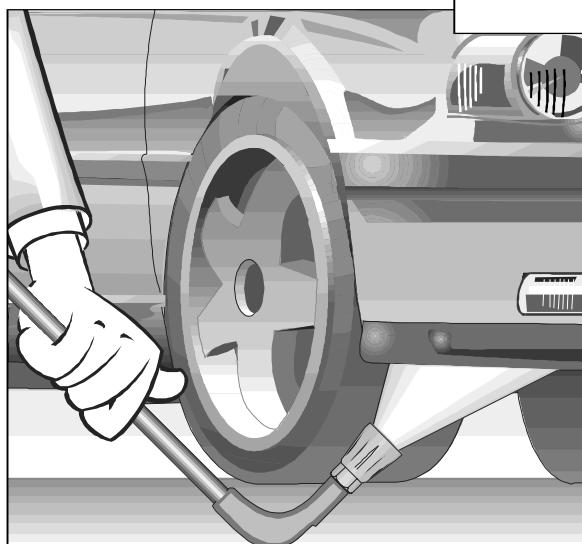
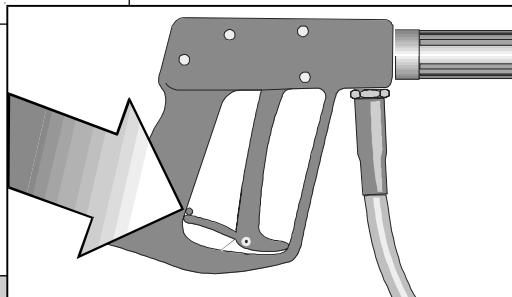
*If replacement parts are required, only such parts that are authorized by the manufacturer and which bear the markings required by the appropriate regulations may be used. The high pressure hose and spray device must be connected in a pressure-tight manner. The high pressure hose may not be driven over,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

# **Safety notes**



**As to the recoil -  
see notice on page 2.**

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



**Always aim the  
underbody lance. Note  
when using an angle  
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).**

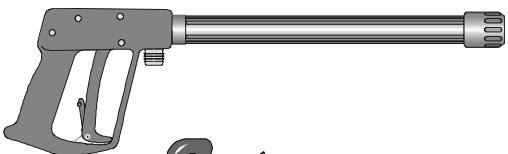
# **This is what you've purchased :**



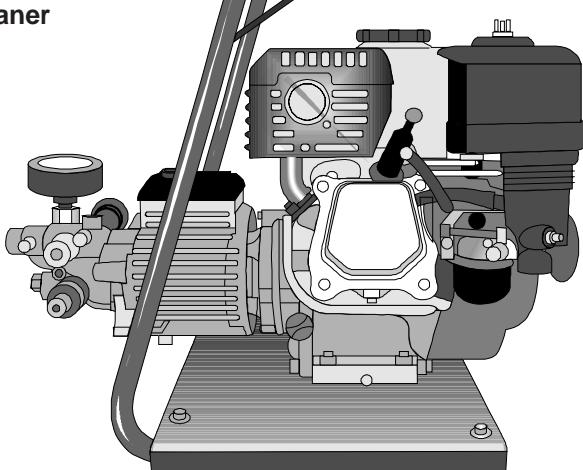
1. Spray lance with regulator and high pressure nozzle, flat spray (B10/200 only with dirt-killer, vario-jet)



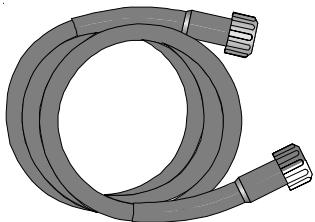
2. Spray gun with insulated pistol grip and screw connection



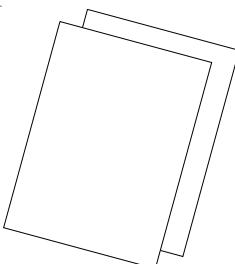
3. KRÄNZLE - High pressure cleaner  
B 10/200 B 13/150 B 16/220



4. High pressure hose 10 m  
15 m HP-hose for cleaners with hose drum



5. Operating instructions pump  
Operating instructions motor

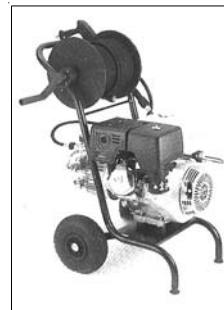
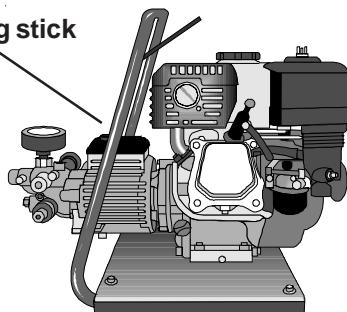


6. Water inlet components

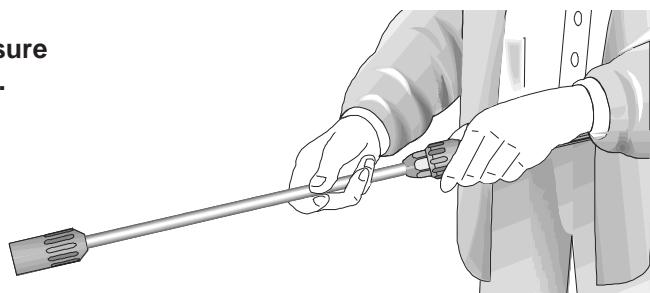


# **Prepare for use**

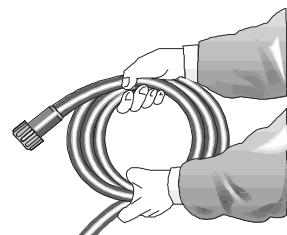
**1. Oil-measuring stick**



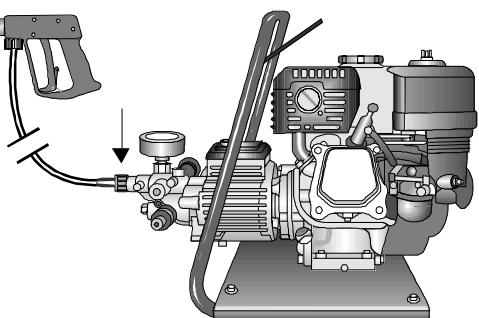
**2. Connect the high pressure lance to the spray gun.**



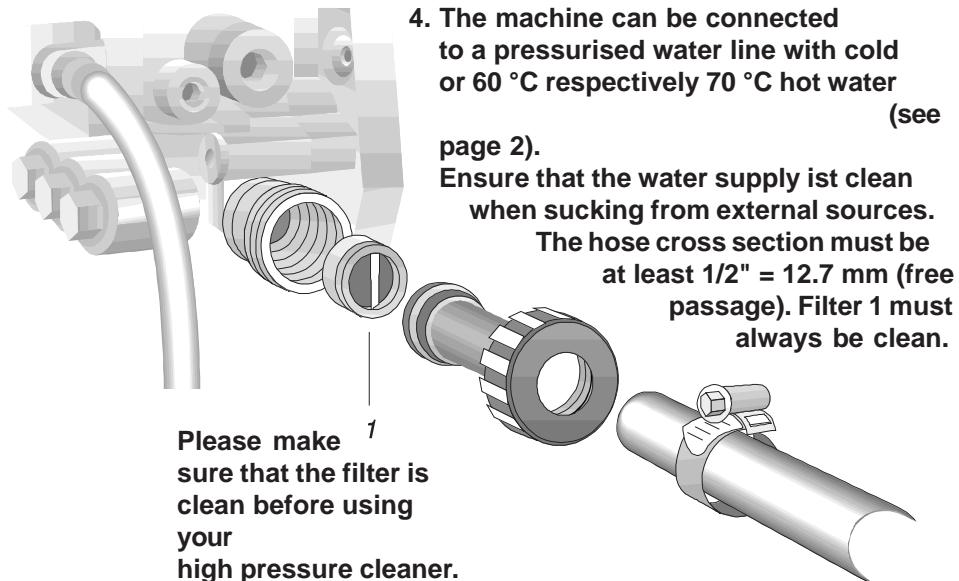
**3. Unwind the high pressure hose without leaving kinks or "nooses" and connect it to the spray gun and pump. When using extension hoses, use max. 20 m high pressure hose, or 2 x 10 m with hose connectors.**



**The high pressure hose connected from the machine to the lance.**



# **Preparation for use**



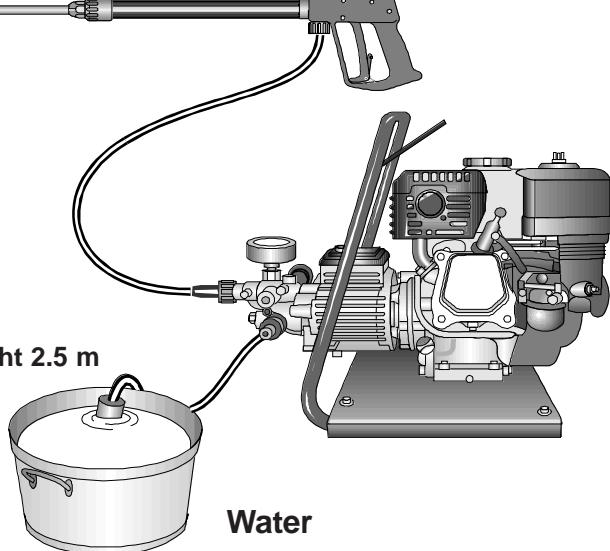
## **CAUTION !**



When running your high pressure cleaner with hot water of 70° C raised temperatures occur.

***Do not touch the machine without safety gloves.***

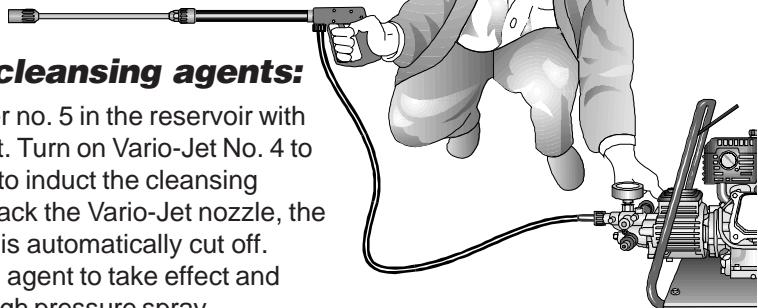
5. Maximum induction height 2.5 m  
- see technical data on page 2.



# **Preparation for use**

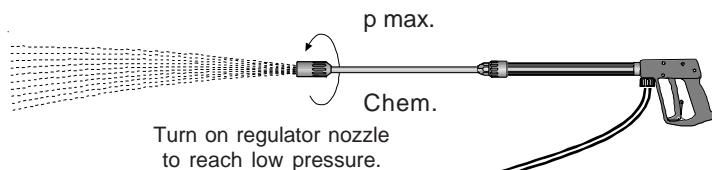
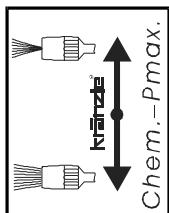
## **Adjusting the pressure**

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



## **When using cleansing agents:**

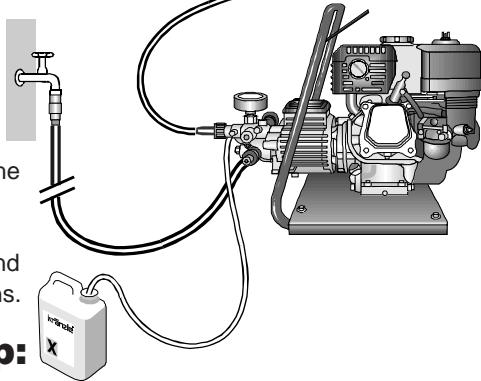
Place chemical filter no. 5 in the reservoir with the cleansing agent. Turn on Vario-Jet No. 4 to enable the injector to induct the cleansing agent. By turning back the Vario-Jet nozzle, the supply of chemical is automatically cut off. Allow the cleansing agent to take effect and then remove with high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



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



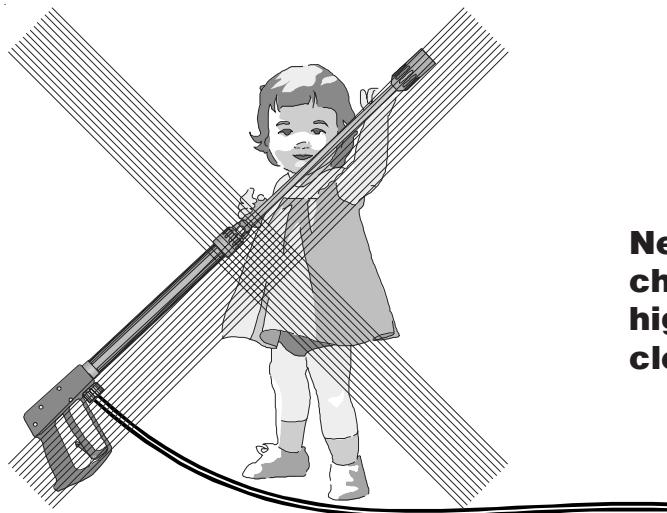
Note that you must always comply with the instructions provided by the manufacturer of the cleansing agent (e.g. instructions concerning safety clothing) and the water protection regulations.



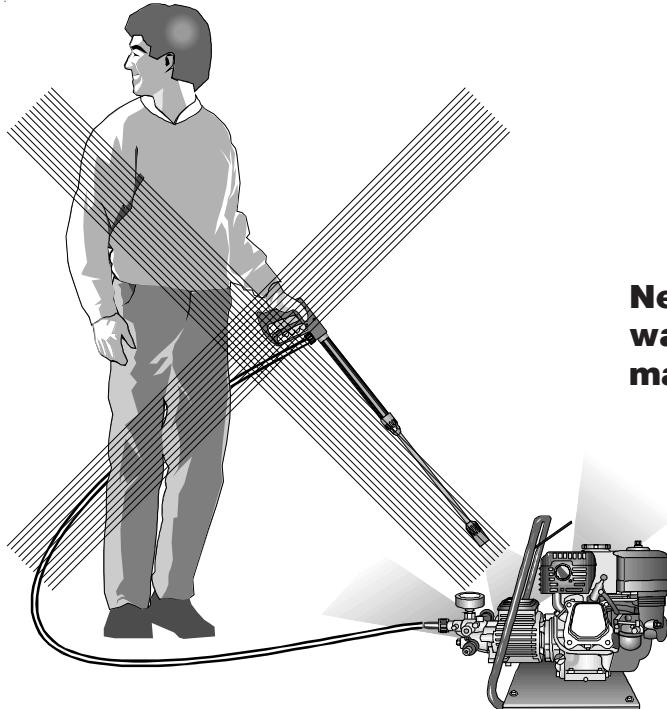
## **To shut down the pump:**

1. Switch off the machine
2. Cut off the water supply
3. Open the spray gun briefly until the pressure is released
4. Apply the safety catch on the spray gun
5. Remove the water hose and high pressure hose
6. Drain the pump: switch on the motor for approx. 20 seconds
7. Winter: store the pump in rooms above 0° C
8. Clean the water filter

## ***This is prohibited***

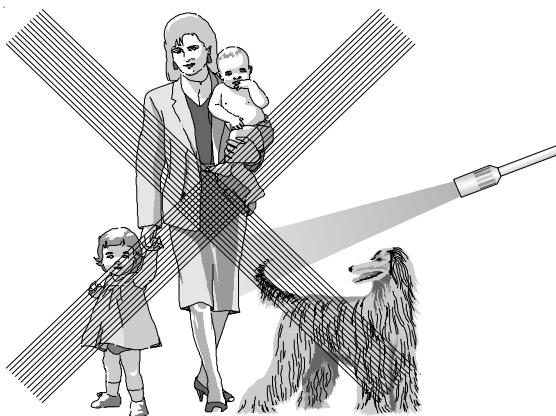


**Never allow  
children to use the  
high pressure  
cleaner !**

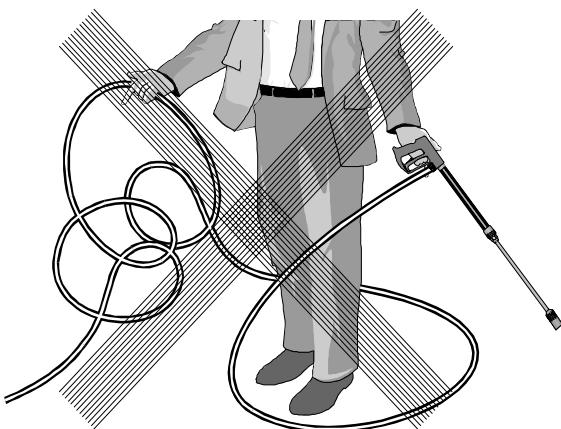


**Never direct the  
water jet at the  
machine itself !**

## ***This is prohibited***



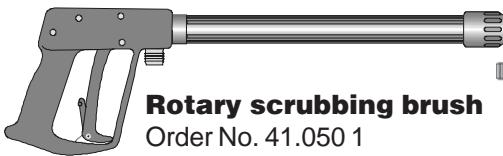
**Never direct the  
water jet at people  
or animals !**



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

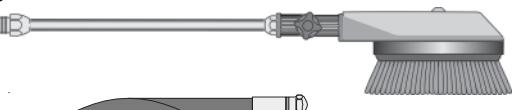
# **Additional KRÄNZLE accessories**

(not with B 10/200)



## **Rotary scrubbing brush**

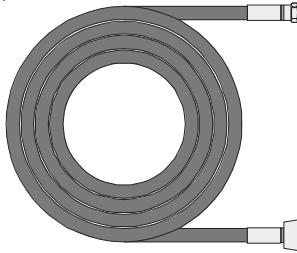
Order No. 41.050 1



## **Drain and pipe cleaning hose**

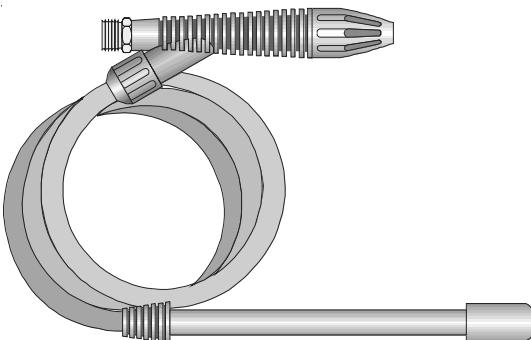
8 m - Order No. 41.051

15 m - Order No. 41.058



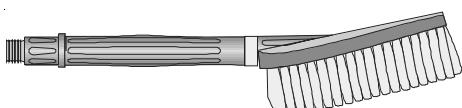
## **Underbody lance, new**

Order No. 41.075



## **Sandblaster**

Order No. 41.068 1



## **Flat brush**

Order No. 41.073

## **Dirtkiller**

## **B 10/200**

Order No. 41.073 8



## **B13/150**

Order No. 41.072 5



## **Turbokiller**

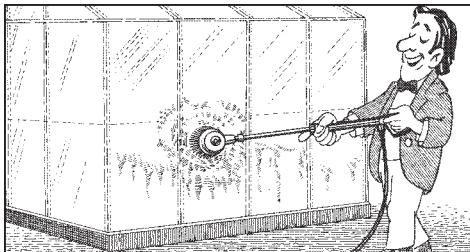
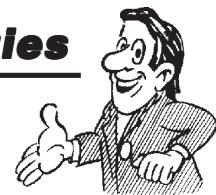
## **B 16/220**

Order No. 41.072 4

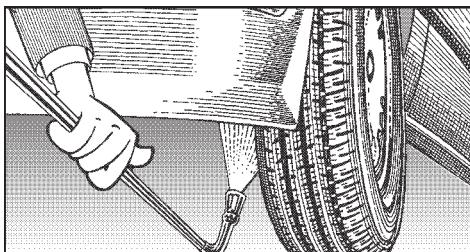


**Environmental, refuse disposal and water protection regulations must be observed when using the accessories.**

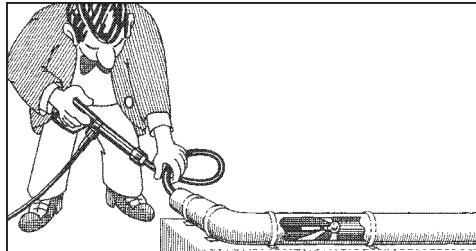
## **for further combination possibilities**



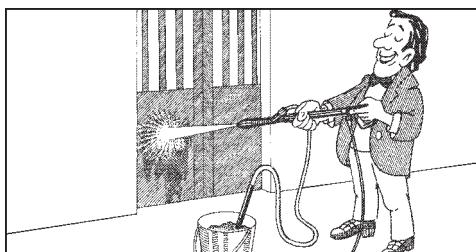
Car cleaning, glass, caravan, boat etc.:  
rotary washing brush with 40 cm extension  
and  
ST 30 nipple M 22



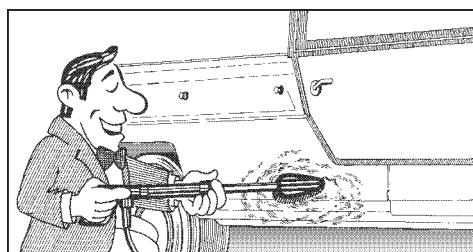
Underbody cleaning of cars, trailers and equipment: lance 90 cm with high pressure nozzle and ST 30 nipple. The lance must be aimed when spraying.



Cleaning pipes, channels and drains: Pipe cleaning hose with KN nozzle and ST 30 nipple M 22.



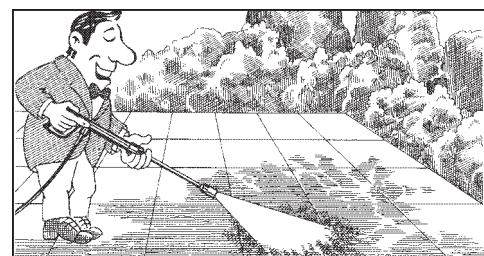
Blasting old paint, rust and facades:  
sandblasting injector with suction lance and  
3 m PVC hose and ST 30 nipple M 22.



Cleaning cars and all smooth surfaces:  
brush with ST 30 nipple M 22.



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



Rotary point sprayer for extreme soiling:  
dirt killer with 40 cm extension and  
ST 30 nipple M 22.

## ***Small repairs -***

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

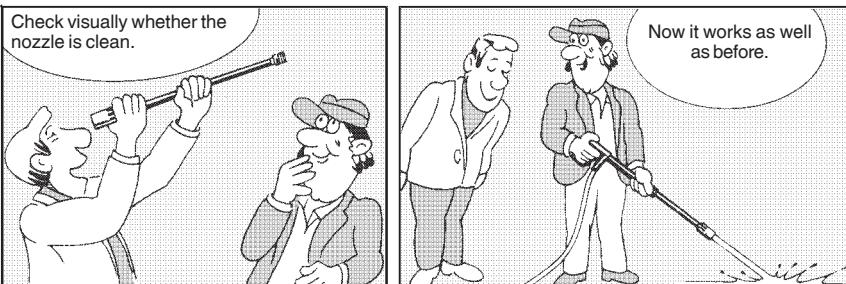
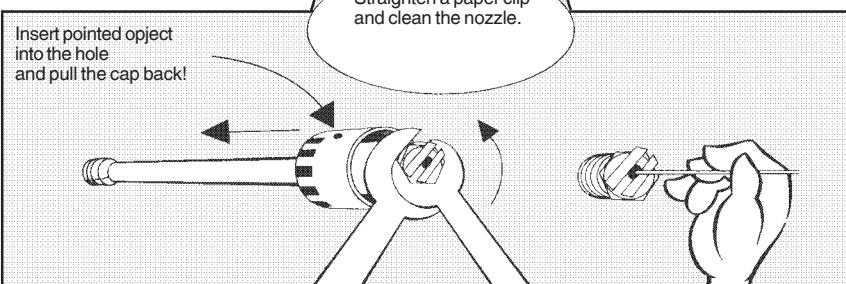
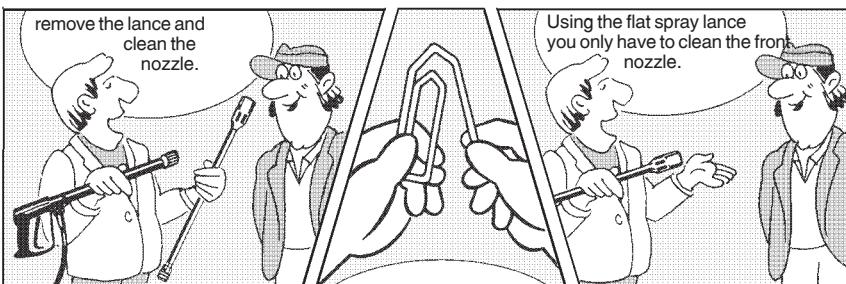
- The pressure gauge shows a 10% higher pressure than the working pressure.



# **Do it yourself !**

## **The nozzle is blocked !**

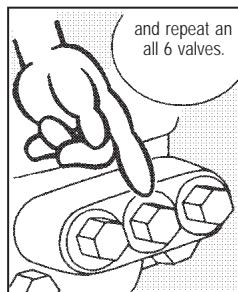
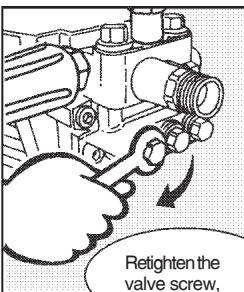
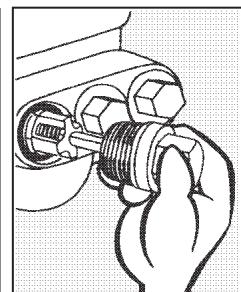
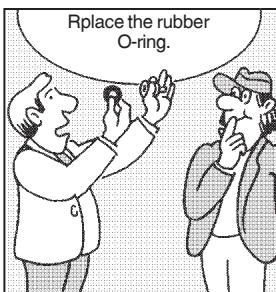
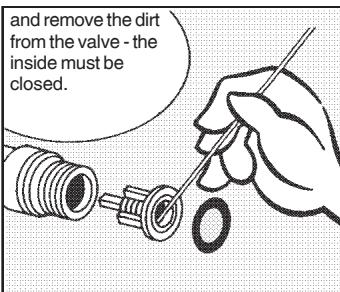
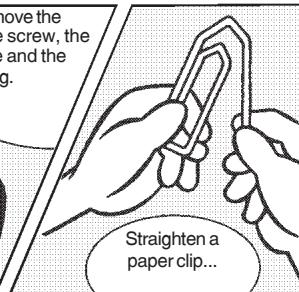
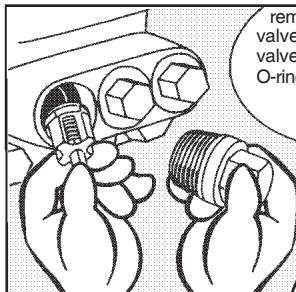
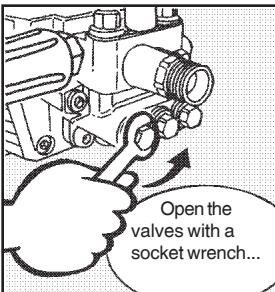
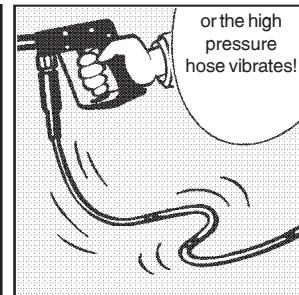
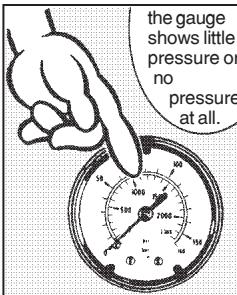
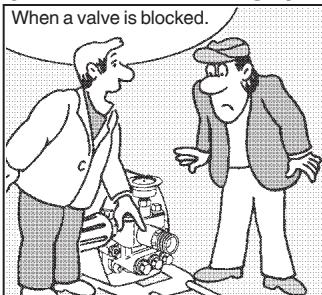
- No water but the gauge shows full pressure.



# **Small repairs - Do it yourself !**

## **Valve dirty or sticky !**

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



# **General rules**

## **Inspections:**

The machine must be inspected according to the "Guidelines for Liquid Spray Devices" at least once every 12 months by a qualified person, to ensure that continued safe operation is guaranteed. The results of the inspection are to be recorded in writing. This may be done in any form.

## **Accident prevention**

The machine is designed for accidents to be impossible if used correctly. The operator is to be notified of the risk of injury from hot machine parts and the high pressure water jet. The "Guidelines for Liquid Spray Devices" must be complied with. (see page 12 and 13)

## **Check the oil level with the oil-measuring stick prior to each use.**

### **(Ensure horizontal position!)**

#### **Oil change B10/200 ; B13/150:**

No oil change is required during the working life of the machine. However, should it be necessary to change the oil in the event of repairwork, the oil sight glass is to be opened over a reservoir and the machine to be emptied. The oil is to be caught in the reservoir and disposed of in the approved manner.

New oil: 0,5 l - Motor oil W 15/40

#### **Oil change B16/220:**

The oil of your high pressure pump should be changed after approx. 40 hours of operation, or no later than when it takes an a grey or whitish colour. Open the oilplug over a container and drain off all the oil. The oil must be caught in a contianer and disposed of in a responsible, legal manner.

New oil: 1,0 l - Castrol Formula RS

## **Warranty**

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

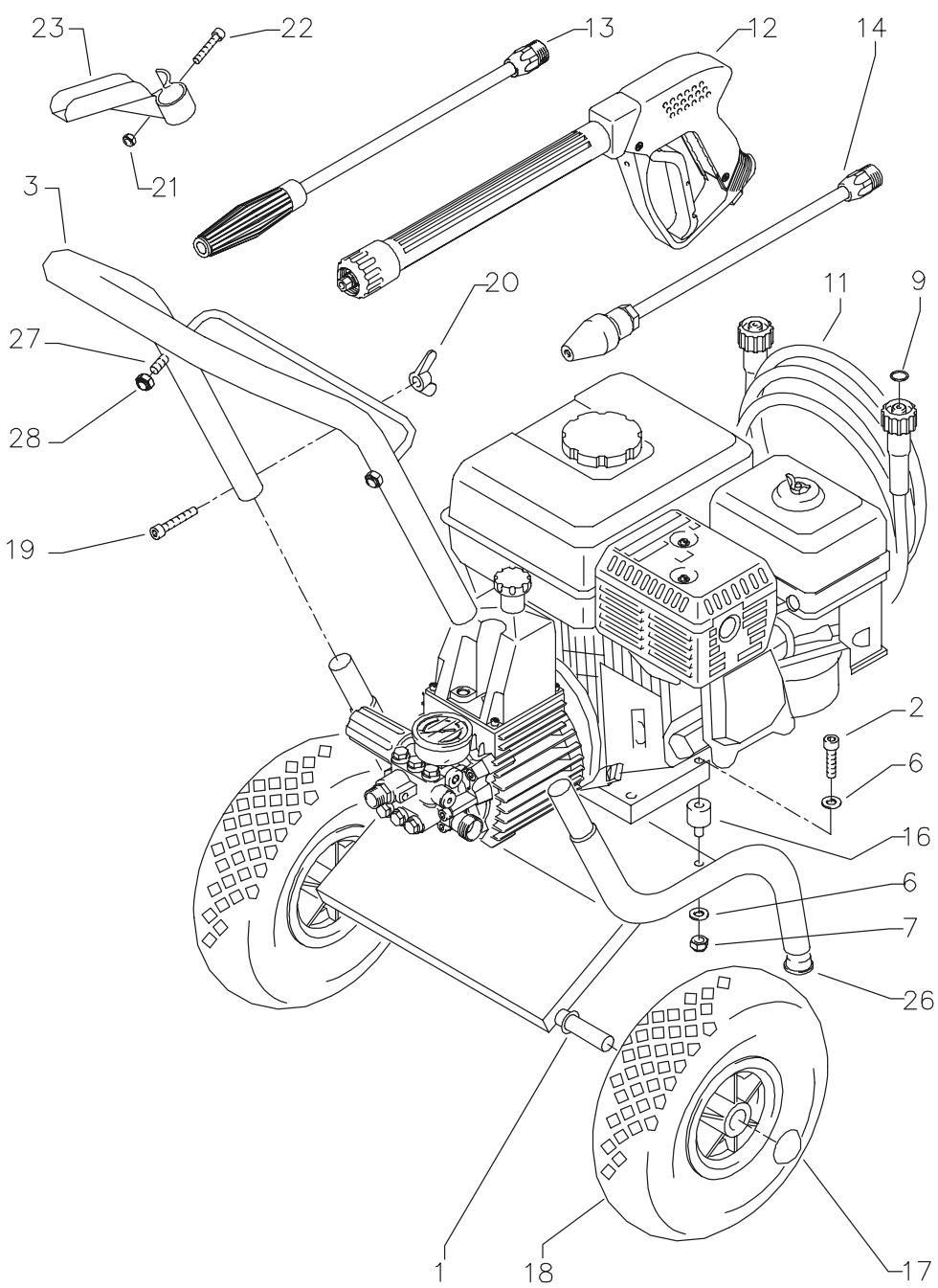
Machine must be operated according to enclosed operating instructions which are part of present warranty conditions.

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

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

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

# **Complete Assembly**

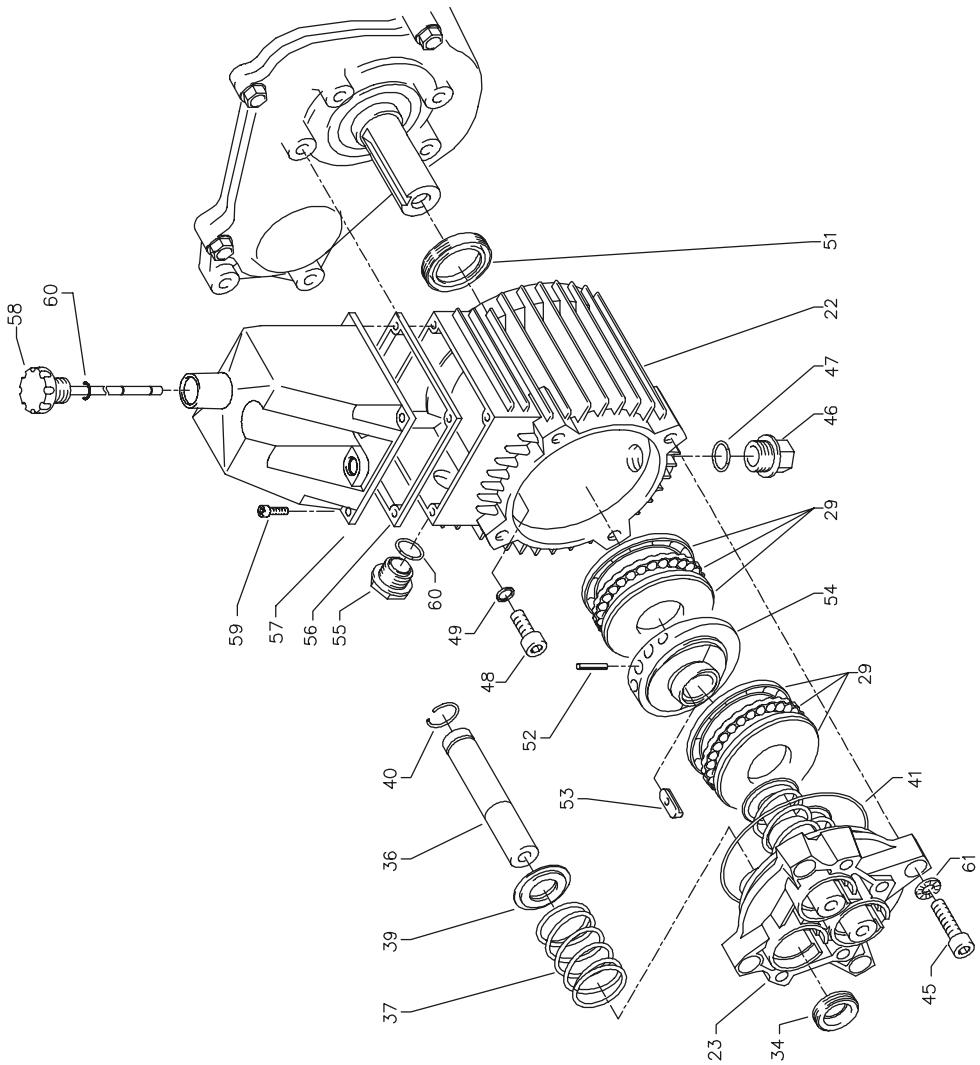


# **KRÄNZLE B 10/200**

## **Spare parts list Profi-Jet B 10/200 with undercarriage Complete Assembly**

<b>No.</b>	<b>Description</b>	<b>Qty.</b>	<b>Ord.-No.</b>
1	Wagen	1	41.101 7
1a	Wagen kompl. (Pos. 1-3)	1	41.101 5
2	Innensechskantschraube M 8 x 35	4	41.510
3	Schubbügel	1	41.101 3
6	Unterlegscheibe 8,4	8	41.515 6
7	Elastic-Stop-Mutter M 8	4	41.410
9	O-Ring 9,3 x 2,4	2	13.273
11	Hochdruckschlauch 10 m / DN8-210bar	1	41.081
12	Starlett II mit ISO-Handgriff	1	12.320 2
13	Lanze mit Vario-Jet 030	1	41.156 2
14	Lanze mit Schmutzkiller 030	1	41.073 8
16	Gummidämpfer	4	40.220
17	Starlock-Kappe	2	40.142
18	Rad luftbereift	2	40.141
19	Innensechskantschraube M 6 x 40	2	40.133
20	Flügelmutter M 6	2	40.132
21	Mutter M 5	1	41.416
22	Schraube M 5 x 40	1	41.415
23	Pistolenhalterung	1	40.130
26	Gummistopfen für Wagen	2	40.208 1
27	Bügel	1	41.101 6
28	Elastic-Stop-Mutter M 8	2	41.514
<b>Motor Honda GX 200 LX</b>			<b>24.027 2</b>

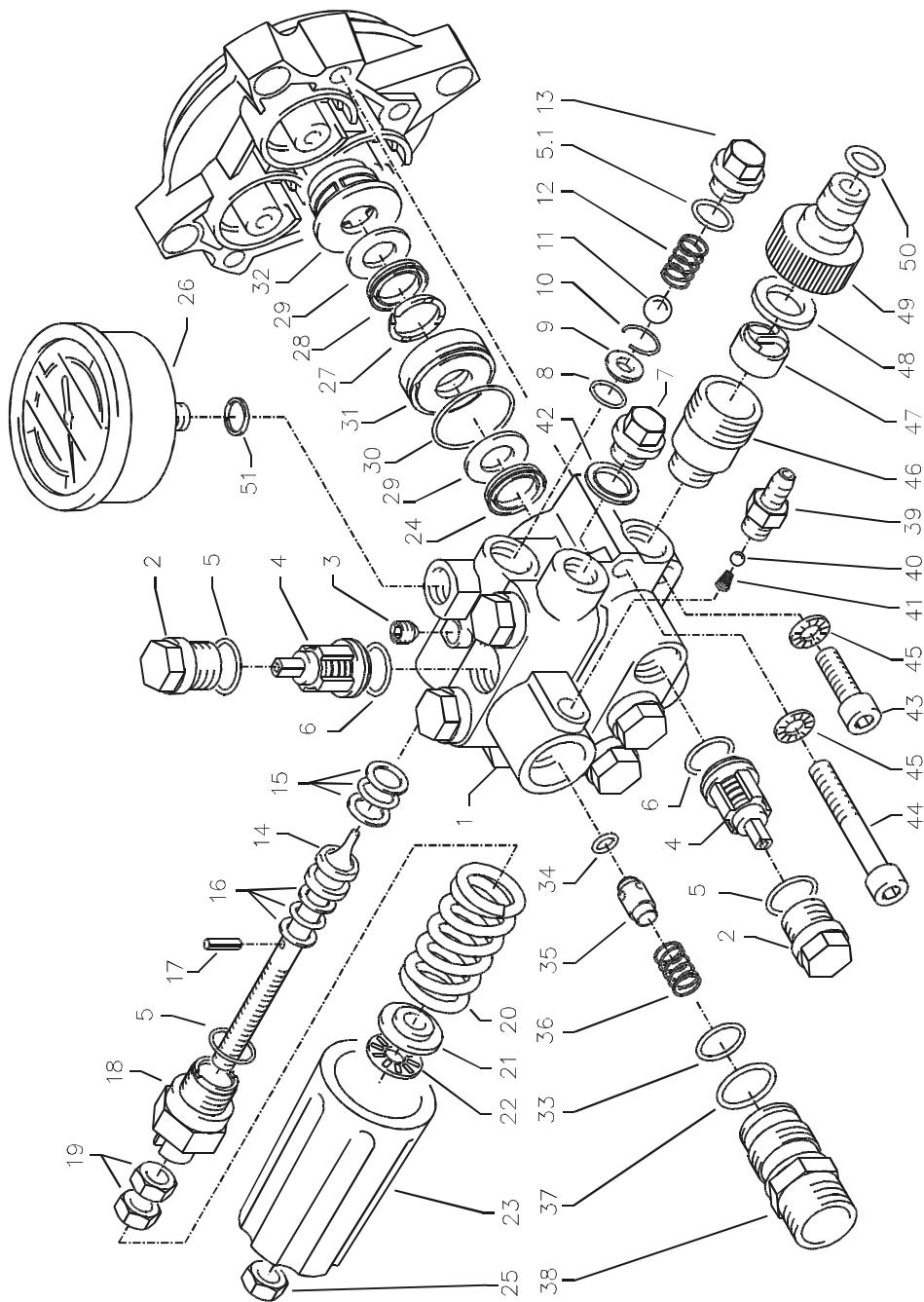
# **Transmission unit**



## Spare parts list Profi-Jet B 10/200 Transmission unit

No.	Description	Qty.	Ord.-No.
22	Getriebegehäuse	1	41.481 1
23	Gehäuseplatte 15 mm	1	42.906
29	AxialRillenkugellager 3-teilig	2	43.486
34	Öldichtung 15 x 24 x 7	3	42.907
36	Plunger 15 mm	3	42.908
37	Plungerfeder	3	41.033
39	Federdruckscheibe 15 mm	3	42.909
40	Sprengring 15 mm	3	42.910
41	O-Ring Viton 88 x 2	1	41.021 1
45.1	Innensechskantschraube M 8 x 30	4	41.036 1
46	Ölablaßschraube M 18 x 1,5	1	41.011
47	O-Ring 12 x 2	1	15.005 1
48	Innensechskantschraube M 8 x 20	4	41.480
49	Kupferdichtring	4	41.500
51.1	Wellendichtring 25 x 35 x 5	1	41.019 5
52	Spannstift	1	14.148
53	Stufenkeil	1	41.183
54	Swash plate 13°	1	41.028 6-13,0
55	please specify swash plate angle when ordering		
55	Olschauglas M 18 x 1,5	1	42.018 1
56	Flachdichtung	1	41.019 3
57	Deckel	1	40.518
58	Ölmeßstab	1	42.520 1
59	Innensechskantschraube M 5 x 12	4	41.019 4
60	O-Ring 14 x 2	2	43.445
61	Sicherungsring	4	40.054

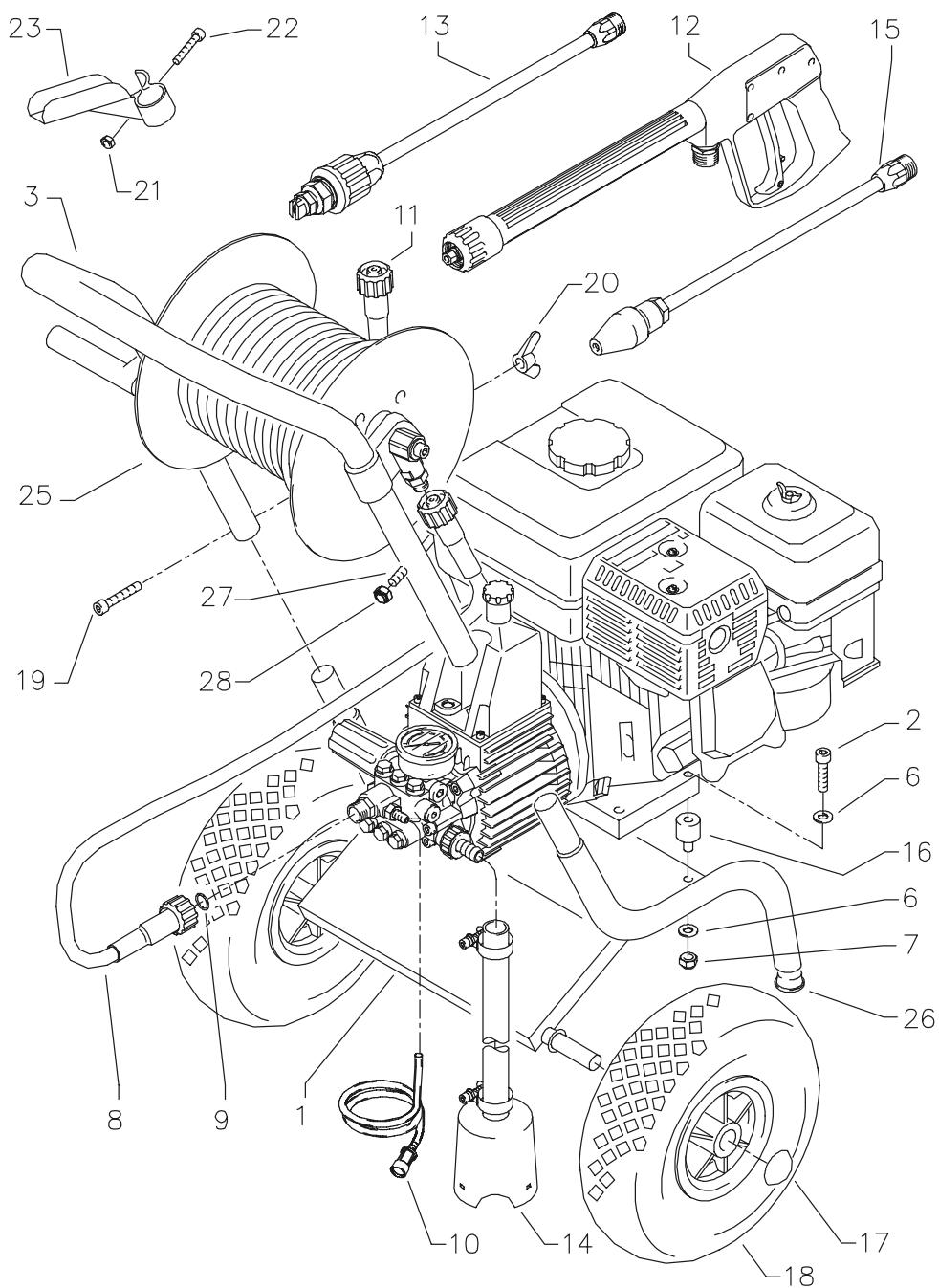
# **Valve housing**



## Spare parts list Profi-Jet B 10 / 200 Valve housing APG 15 mm

No.	Description	Qty.	Ord.-No.	No.	Description	Qty.	Ord.-No.
1	Ventilgehäuse	1	42.900	32	Zwischenring 15 mm	3	42.904
2	Ventilstopfen	6	41.714	33	O-Ring 15 x 1,5	1	42.104
3	Dichtstopfen M 10 x 1	1	43.043	34	O-Ring 6 x 3	1	14.121
4	Ventile (grün) für APG-Pumpe	6	41.715	35	Rückschlagkörper	1	14.122
5	O-Ring 16 x 2	1	13.150	36	Rückschlagfeder	1	14.120
5.1	O-Ring 13,94 x 2,62	1	42.167	37	O-Ring 18 x 2	1	43.446
6	O-Ring 15 x 2	6	41.716	38	Ausgangsstück Injektor ST30 M22x1,5	1	43.447
7	Dichtstopfen R1/4" mit Bund	1	42.103	39	Saugzapfen Schlauchanschluss	1	13.236
8	O-Ring 11 x 1,44	1	12.256	40	Edelstahlkugel 5,5 mm	1	13.238
9	Edelstahlsitz	1	14.118	41	Edelstahlfeder	1	13.239
10	Sicherungsring	1	13.147	42	Kupferring	1	42.104
11	Edelstahlkugel 8,5 mm	1	13.148	43	Innensechskantschraube M 8 x 30	2	41.036
12	Edelstahlfeder	1	14.119	44	Innensechskantschraube M 8 x 55	2	41.017
13	Verschlussschraube	1	14.113	45	Sicherungsring	4	40.054
14	Steuerkolben	1	14.134	46	Sauganschluss	1	41.016
15	Parbaks 16 mm	1	13.159	47	Wasserfilter	1	41.046
16	Parbaks 8 mm	1	14.123	48	Gummi Dichtring	1	41.047
17	Spannstift	1	14.148	49	Steckkupplung	1	41.047
18	Kolbentführung spezial	1	14.105	50	O-Ring	1	41.047
19	Mutter M 8 x 1	2	14.144	51	Aluminium-Dichtring	2	13.275
20	Ventilfeder schwarz	1	14.125				
21	Federdruckscheibe	1	14.126				
22	Nadelager	1	14.146				
23	Handrad	1	14.147				
24	Manschette Gewebe 15mm	3	42.902	1	<b>Repair kit Valves for APG-Pump</b>	1	
25	Elastic-Stop-Mutter	1	14.152		consisting of 6x No. 4; 6x No. 5; 6x No. 6		
26	Manometer 0-250 bar	1	15.039				
27	Stützring rot 15mm	3	42.913		<b>Repair kit sleeves 15 mm</b>	1	
28	Manschette weich 15mm	3	42.902		consisting of 3x No. 24; 3x No. 27;		
29	Backring 15 x 24	6	42.903		3x No. 28; 6x No. 29; 6x No. 30		
30	O-Ring 28,3 x 1,78	3	40.026		<b>Valve housing compl.</b>	1	
	Leckageiring 15 mm	3	42.905		with integr. ULH and pressure switch		

# **Complete Assembly**

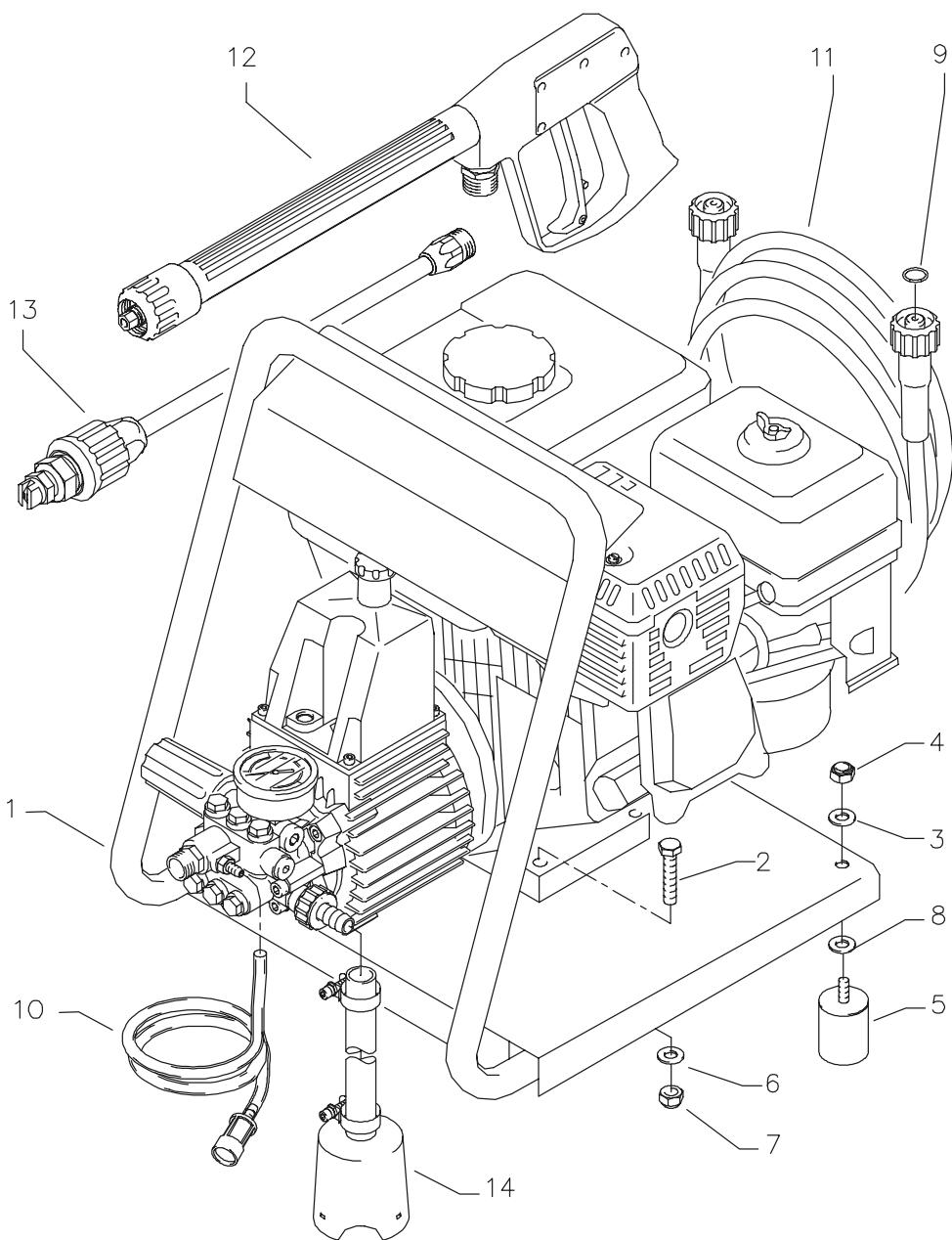


# Kräntze B 13/150

## Spare parts list Profi-Jet B 13/150 with undercarriage Complete Assembly

No.	Description	Qty.	Ord.-No.
1	Wagen	1	41.101 7
1a	Wagen kompl. (Pos. 1 + 3)	1	41.101 5
2	Sechskantschraube M 8 x 40	4	41.510
3	Schubbügel	1	41.101 3
6	Unterlegscheibe 8,4	8	41.515 6
7	Elastic-Stop-Mutter M 8	4	41.410
8	Hochdruckschlauch 1m / DN 8 - 210 bar	1	41.265
9	O-Ring 9,3 x 2,4	2	13.273
10	Chemiesieb mit 1,2 m PVC-Schlauch	1	15.038
11a	at unit with hose drum high pressure hose 20 m / DN 8 - 210 bar	1	41.083
11b	at unit without hose drum high pressure hose 10 m / DN 6 - 210 bar	1	43.416
12	Pistole mit Verlängerung	1	12.160
13	Lance with reg. nozzle 25055 please specify size of nozzle	1	41.053 2
14	Saugschlauch 3 m mit Saugfilter	1	15.038 3
15	Schmutzkiller 055	1	41.072 6
16	Gummidämpfer	4	40.220
17	Starlock-Kappe	2	40.142
18	Rad luftbereift	2	40.141
19	Innensechskantschraube M 6 x 40	2	40.133
20	Flügelmutter M 6	2	40.132
21	Mutter M 6	1	14.127 1
22	Innensechskantschraube M 6 x 40	1	40.133
23	Pistolenhalterung	1	40.130
24	Schraube 2,9 x 19	2	15.024
25	Schlauchtrommel	1	41.259
26	Gummistopfen	2	40.208 1
27	Bügel	1	41.101 6
28	Elastic-Stop-Mutter M 8	2	41.514
<b>Motor Honda GX 160 CX</b>			<b>24.027</b>
<b>Upgrade kit hose drum</b>			<b>41.259 1</b>
with 1 m HP-Connection hose			
with 20 m HP-hose			

# **Complete Assembly**

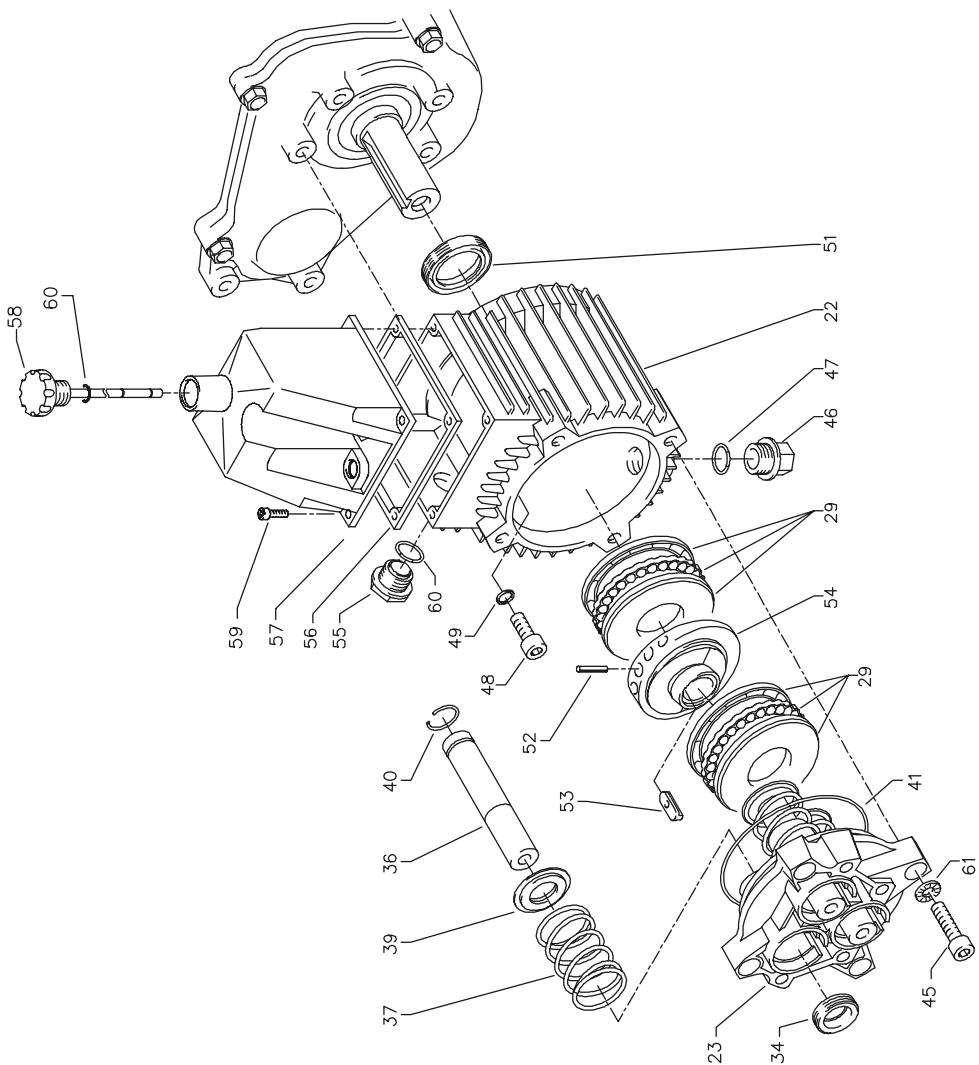


# **KRÄNZLE B 13/150**

## **Spare parts list Profi-Jet B 13/150 portable Complete Assembly**

<b>No.</b>	<b>Description</b>	<b>Qty.</b>	<b>Ord.-No.</b>
1	Tragbügel	1	41.098 3
2	Sechskantschraube M 8 x 40	4	41.510
3	Unterlegscheibe 6 mm	4	41.511
4	Elastic-Stop-Mutter M 6	4	14.152 1
5	Gummifüße	4	41.513
6	Unterlegscheiben 8 mm	4	41.515
7	Elastic-Stop-Mutter M 8	4	41.410
8	Unterlegscheiben 6 mm (groß)	16	41.516
9	O-Ring 9,3 x 2,4	2	13.273
10	Chemiesieb mit 1,2 m PVC-Schlauch	1	15.038
11	Hochdruckschlauch 10 m / DN 6 - 210 bar	1	43.416
12	Pistole mit Verlängerung	1	12.160
13	Lanze mit Regeldüse 25055 please specify size of nozzle	1	41.053 2
14	Saugschlauch 3 m mit Saugfilter	1	15.038 3
<b>Motor Honda GX 160 CX</b>			<b>24.027</b>

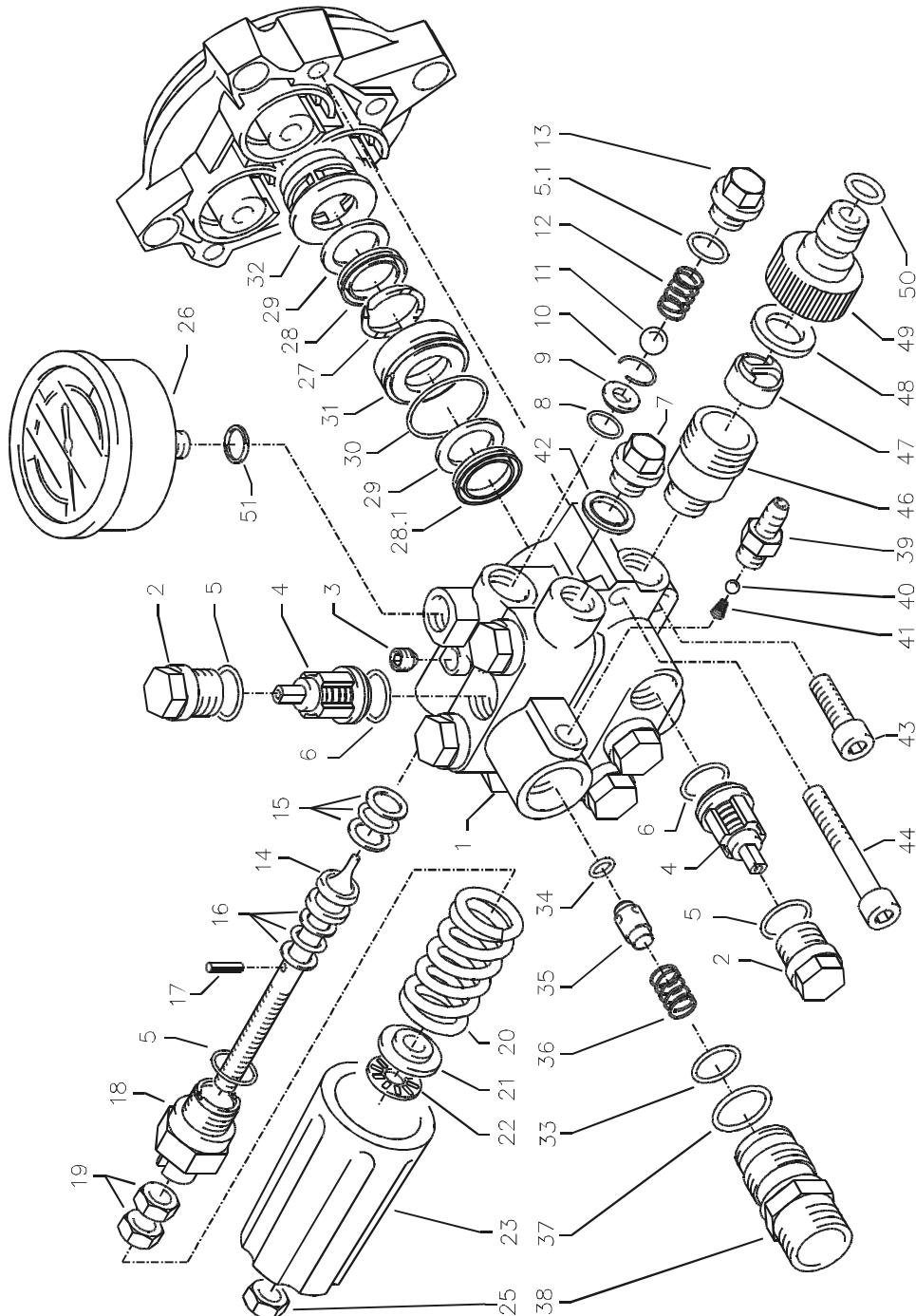
# **Transmission unit**



**Spare parts list Profi-Jet B 13/150**  
**Antrieb**

No.	Description	Qty.	Ord.-No.
22	Getriebehäuse	1	41.481 1
23	Gehäuseplatte 18 mm	1	41.020 2
29	Axial-Rillenkugellager 3-teilig	2	43.486
34	Öldichtung 18 x 28 x 7	3	41.031
36	Plunger 18 mm	3	41.032
37	Plungerfeder	3	41.033
39	Federdruckscheibe 18 mm	3	41.034
40	Sprengring 18 mm	3	41.035
41	O-Ring Viton 88 x 2	1	41.021 1
45,1	Innensechskantschraube M 8 x 30	4	41.036 1
46	Ölablaußschraube M 18 x 1,5	1	41.011
47	O-Ring 12 x 2	1	15.005 1
48	Innensechskantschraube M 8 x 20	4	41.480
49	Kupferdichtring	4	41.500
51,1	Wellendichtring 25 x 35 x 5	1	41.019 5
52	Spannstift	1	14.148
53	Stufenkeil	1	41.183
54	Taumelscheibe 11,5°	1	41.028 6-11,5
	please specify swashplate angle when ordering		
55	Ölschauglas M 18 x 1,5	1	42.018 1
56	Flachdichtung	1	41.019 3
57	Deckel	1	40.518
58	Ölmeßstab	1	42.520 1
59	Innensechskantschraube M 5 x 12	4	41.019 4
60	O-Ring 14 x 2	2	43.445
61	Sicherungsring	4	40.054
			<b>24.027</b>
	<b>Motor Honda GX 160</b>		

# **Valve housing**

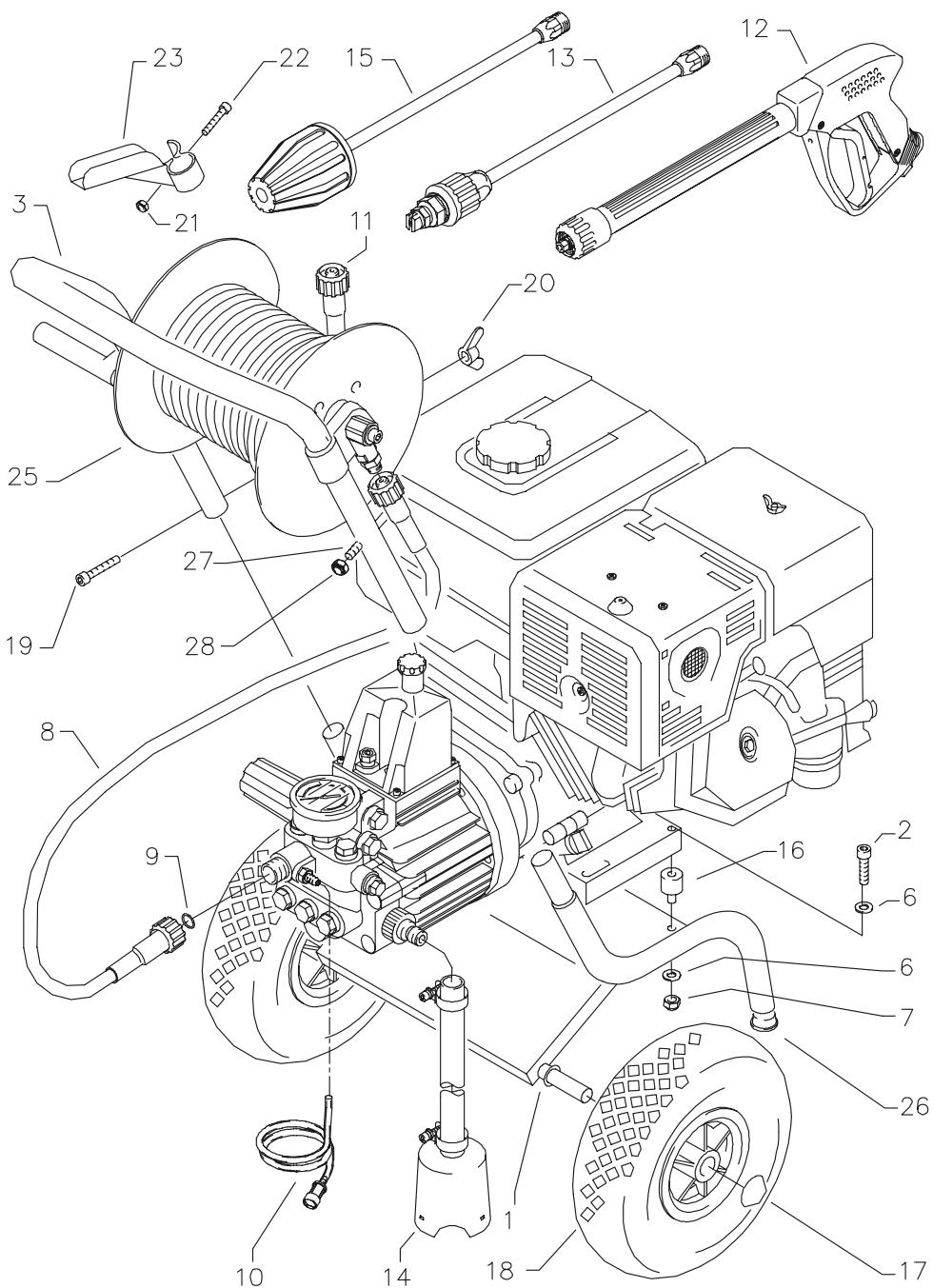


# KRÄNZLE B 13/150

## Spare parts list Profi-Jet B 13/150 Valve housing APG 18 mm

No.	Description	Qty. Ord.-No.	No.	Description	Qty. Ord.-No.
1	Ventilgehäuse	1	43.435	Zwischenring 18 mm	3
2	Ventilstopfen	6	41.714	O-Ring 15 x 1,5	1
3	Dichtstopfen M 10 x 1	1	43.043	O-Ring 6 x 3	1
4	Ventile (grün) für APG-Pumpe	6	41.715	Rückschlagkörper	1
	O-Ring 16 x 2	7	13.150	Rückschlagfeder	1
5..1	O-Ring 13,94 x 2,62	1	42.167	O-Ring 18 x 2	1
6	O-Ring 15 x 2	6	41.716	Ausgangsstück Injektor ST30 M22x1,5	1
	Dichtstopfen R1/4" mit Bund	1	42.103	Saugzapfen Schlauchanschluss	1
8	O-Ring 11 x 1,44	1	12.256	Edelstahlkugel 5,5 mm	1
9	Edelstahlsitz	1	14.118	Edelstahlfeder	1
10	Sicherungsring	1	13.147	Kupferring	1
11	Edelstahlkugel 8,5 mm	1	13.148	Innensechskantschraube M 8 x 30	2
12	Edelstahlfeder	1	14.119	Innensechskantschraube M 8 x 55	2
13	Verschlusschraube	1	14.113	Sauganschluss	1
14	Steuerkolben	1	14.134	Wasserfilter	1
15	Parbaks 16 mm	1	13.159	Gummi Dichtring	1
16	Parbaks 8 mm	1	14.123	Steckkupplung	1
17	Spannstift	1	14.148	O-Ring	1
18	Kolbenführung spezial	1	42.105	Aluminium-Dichtring	2
19	Mutter M 8 x 1	2	14.144		13.275
20	Ventilfeder schwarz	1	14.125		
21	Federdruckscheibe	1	14.126		
22	Nadellager	1	14.146		
23	Handrad	1	14.147		
25	Elastic-Stop-Mutter	1	14.152		
26	Manometer 0-250 bar	1	15.039		
27	Druckring	3	41.018		
28	Manschette 18 x 26 x 4/2	3	41.013		
28..1	Gewebemanschette 18 x 26 x 4/2	3	41.013		
29	Backring 18 x 26	6	41.014		
30	O-Ring 28,3 x 1,78	3	40.026		
31	Leckageiring 18 mm	3	41.066		
<b>Repair kit Valves for APG-Pump</b>					
consisting of 6x No. 4; 6x No. 5; 6x No. 6					
<b>Repair kit sleeves 18 mm</b>					
consisting of 3x No. 27; 3x No. 28; 3x No. 28.1; 6x No. 29; 6x No. 30					
<b>Valvehousing compl.</b>					
with integr. ULH					
<b>Piston valve compl.</b> with handwheel					

# **Complete Assembly**

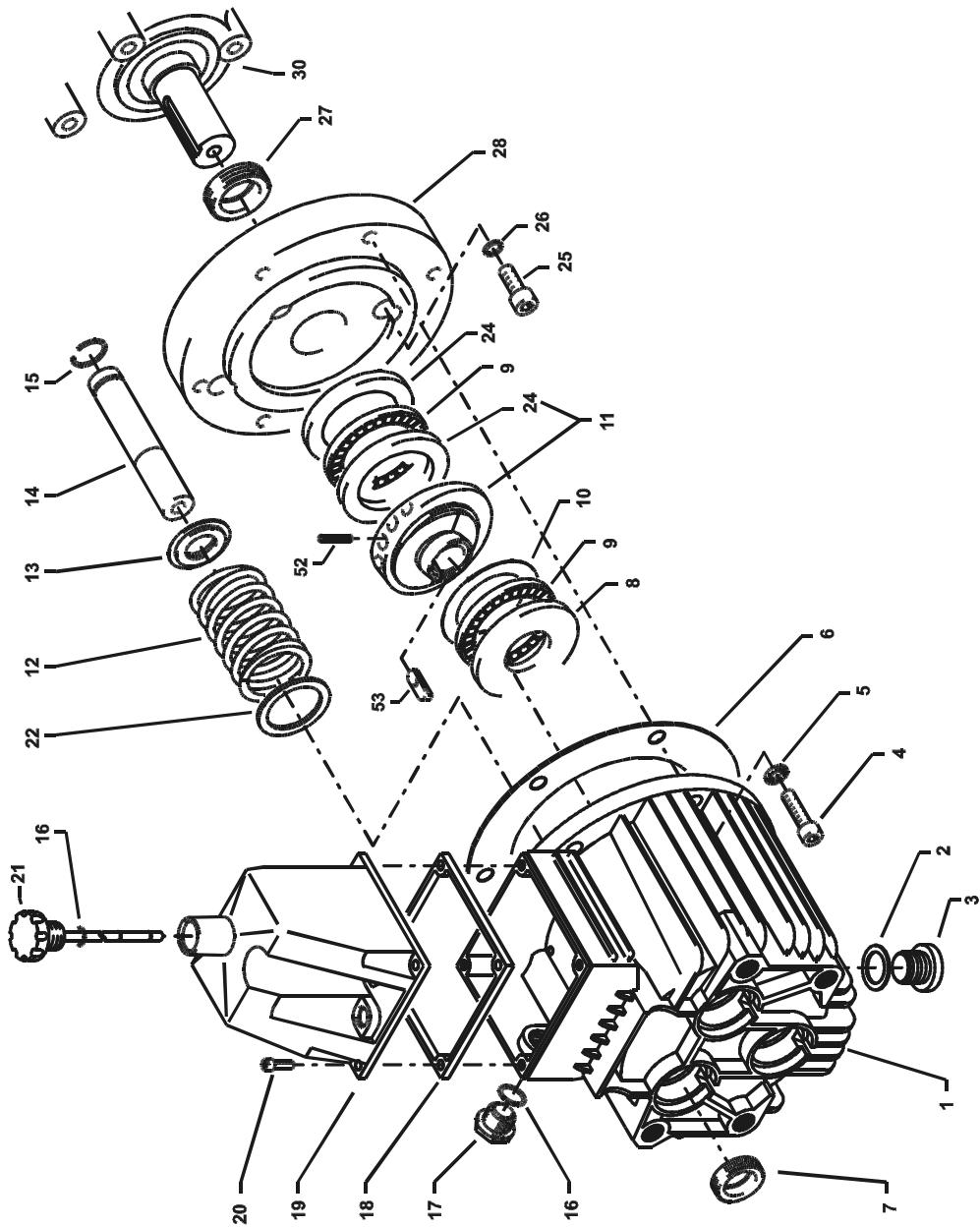


# KRÄNZLE B 16/220

## Spare parts list Profi-Jet B 16/220 with undercarriage Complete Assembly

No.	Description	Qty.	Ord.-No.
1	Wagen	1	41.101 7
1a	Wagen kompl. (Pos. 1 + 3)	1	41.101 5
2	Sechskantschraube M 8 x 30	4	40.221
3	Schubbügel	1	41.101 3
6	Unterlegscheibe 8,4	8	41.515 6
7	Elastic-Stop-Mutter M 8	4	41.410
8	Hochdruckschlauch 1m / DN 8 - 210 bar	1	41.265
9	O-Ring 9,3 x 2,4	3	13.273
10	Chemiesieb mit 1,2 m PVC-Schlauch	1	15.038
11a	at unit with hose drum high pressure hose 15 m / DN 8 - 210 bar	1	41.083
11b	at unit without hose drum high pressure hose 10 m / DN 8 - 210 bar	1	41.082
12	Starlett II mit ISO-Handgriff	1	12.320 2
13	Lance with reg. nozzle 25055 please specify size of nozzle	1	41.053 2
14	Saugschlauch 3 m mit Saugfilter	1	15.038 3
15	Turbokiller 055	1	41.072 4
16	Gummidämpfer	4	40.220
17	Starlock-Kappe	2	40.142
18	Rad luftbereift	2	40.141
19	Innensechskantschraube M 6 x 40	2	40.133
20	Flügelmutter M 6	2	40.132
21	Mutter M 6	1	14.127 1
22	Innensechskantschraube M 6 x 40	1	40.133
23	Pistolenablage	1	40.130
24	Schraube 2,9 x 19	2	15.024
25	Schlauchtrommel kpl. ohne Schlauch	1	41.259
26	Gummistopfen	2	40.208 1
27	Bügel	1	41.101 6
28	Elastic-Stop-Mutter M 8	2	41.514
	<b>Speedcontrol</b> with 1m Bowden cable	1	<b>40.255 1</b>
	<b>Motor Honda GX 340</b>		<b>24.026</b>
	AQ-Pump compl.		40.265
	<b>Upgrade kit hose drum</b> with 1 m HP-Connection hose with 20 m HP-hose		<b>41.259 1</b>

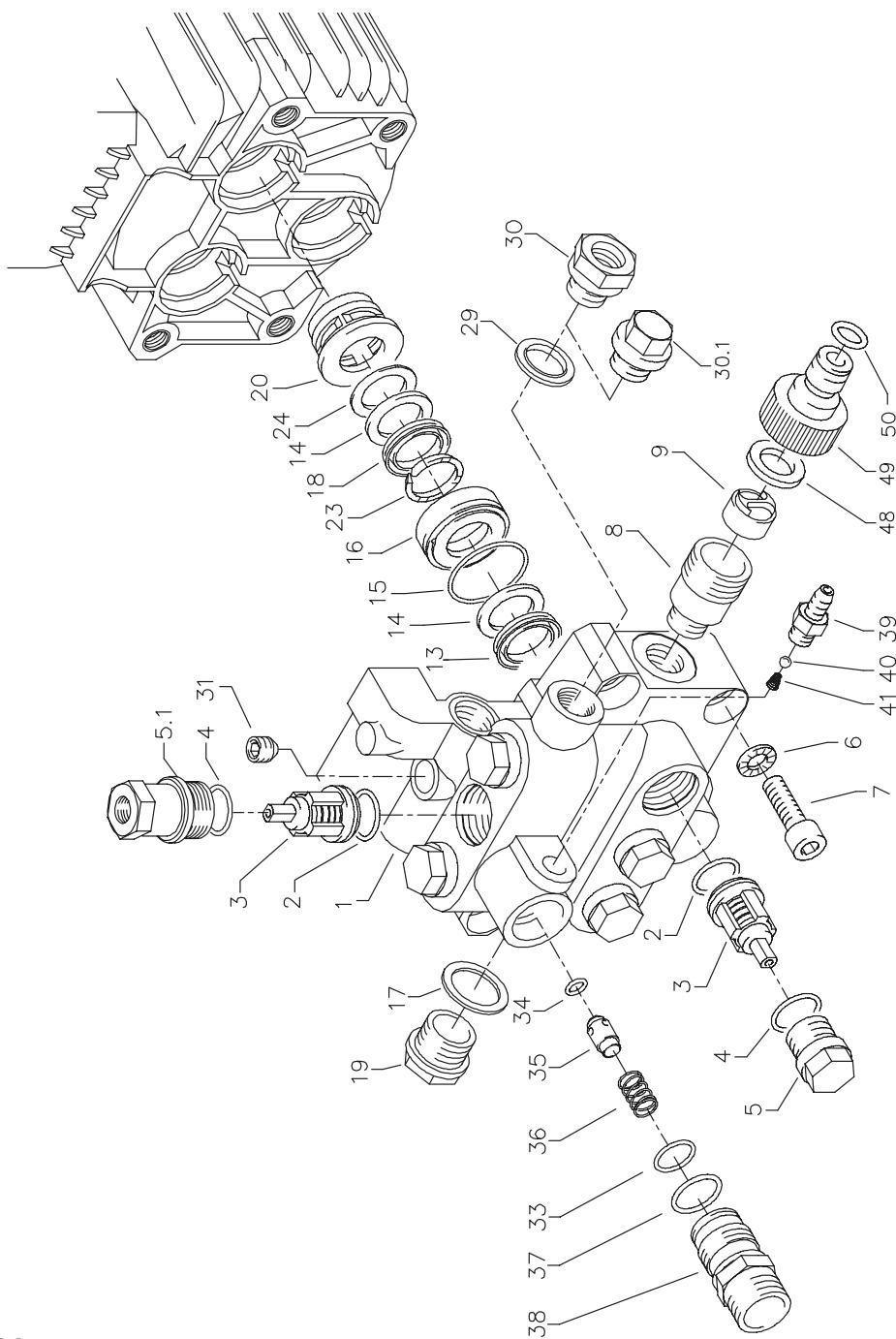
# **Transmission unit**



**Spare parts list Profi-Jet B 16/220  
Transmission unit AQ-Pump**

No.	Description	Qty.	Ord.-No.
1	Ölgehäuse	1	40.501
2	Cu-Dichtring	1	40.052
3	Ölablassschraube	1	40.051
4	Innensechskantschraube M 8 x 25	6	40.053
5	Sicherungsscheibe	6	40.054
6	Flachdichtung	1	40.511
7	Öldichtung 20 x 30 x 7	3	40.044 1
8	Wellenscheibe	1	40.043
9	Axial-Rollenkäfig	1	40.040
10	AS-Scheibe	1	40.041
11	Taumelscheibe 8,0°	1	40.055-8,0
12	Plungerfeder	3	40.506
13	Federdruckscheibe	3	40.510
14	Plunger 20 mm (lang)	3	40.505
15	Sprengerring	3	40.048
16	O-Ring 14 x 2	2	43.445
17	Ölschauglas M 18 x 1,5	1	42.018
18	Flachdichtung	1	41.019 3
19	Deckel Ölgehäuse	1	40.518
20	Innensechskantschraube M 5 x 12	4	41.019 4
21	Ölmessstab	1	42.520
22	Stütz scheibe	3	40.513
24	Gehäusescheibe	2	40.039
25	Innensechskantschraube M 8 x 30	4	41.036 1
26	Kupfer-Dichtring	4	41.500
27	Dichtring 30 x 42 x 7	1	40.224
28	Flansch für B 16/220	1	40.223
30	Motor Honda GX 340	1	24.026
52	Spannstift	1	14.148
53	Stufenkeil	1	40.222

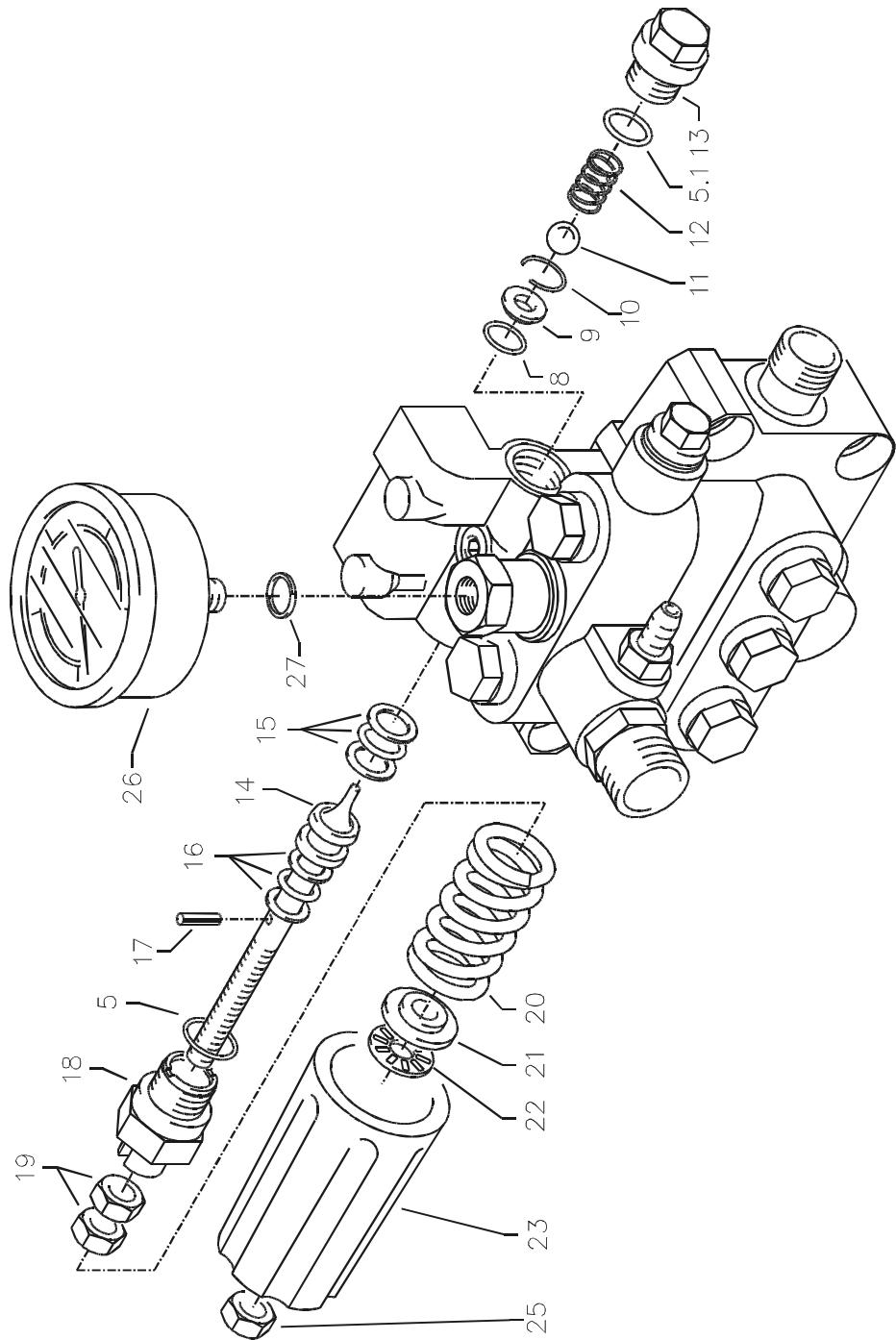
# **Valve housing**



## Spare parts list Profi-Jet B 16/220 Valve housing AQ-Pump

No.	Description	Qty.	Ord.-No.	No.	Description	Qty.	Ord.-No.
1	Ventilgehäuse AQ mit Integr. UL	1	40.521	31	Dichtstopfen M 10 x 1	1	43.043
2	ohne integr. Druckschalter			34	O-Ring 6 x 3	1	14.121
3	O-Ring 18 x 2	6	40.016	35	Rückschlagkörper	1	14.122
4	Einlaß- / Auslaß- Ventil	6	42.024	36	Rückschlagfeder	1	14.120
5	O-Ring 21 x 2	6	42.025	37	O-Ring 18 x 2	1	43.446
6	Ventilstopfen	5	42.026	38	Ausgangsstück Injektor ST30	M22x1,5	1
7	Ventilstopfen mit R 1/4" IG	1	42.026	39	Saugzapfen Schlauchanschluß	1	13.236
8	Sicherungsring	4	40.032	40	Edelstahlkugel 5,5 mm	1	13.238
9	Innensechskantschraube M 12 x 45	4	40.504	41	Edelstahlfeder	1	13.239
10	Sauganschluß R 1/2" AG	1	41.016	48	Gummidichtung für Steckkupplung	1	41.047
11	Wassererfangsfilter	1	41.046	49	Steckkupplung für Wassereingang	1	41.047
12	Gewebemanschette	3	40.023	49.1	<b>Steckkupplung kpl.</b>	1	41.047
13	Backring 20 mm	6	40.025	50	Pos. 10 - 12		
14	O-Ring 31,42 x 2,62	3	40.508	50	O-Ring	1	41.047
15	Leckagering 20 x 36 x 13,3	3	40.509				
16	Cu-Dichtung 21 x 28 x 1,5	1	42.039				
17	Gummimanschette	3	40.512				
18	Verschlußschraube R 1/2"	1	42.032				
19	Distanzring mit Abstützung	3	40.507				
20	Druckring 20 mm	3	40.021				
21	Zwischenring 20 mm	3	40.516				
22	Dichtring 17 x 22 x 1,5 (Kupfer)	1	40.019				
23	Anschlußmuffe 3/8" AG x 3/8" IG by	1	13.136				
24	version with control speed						
25	Verschlußschraube 3/8" AG by	1	40.018				
26	version without control speed						
27							
28							
29							
30							
31							

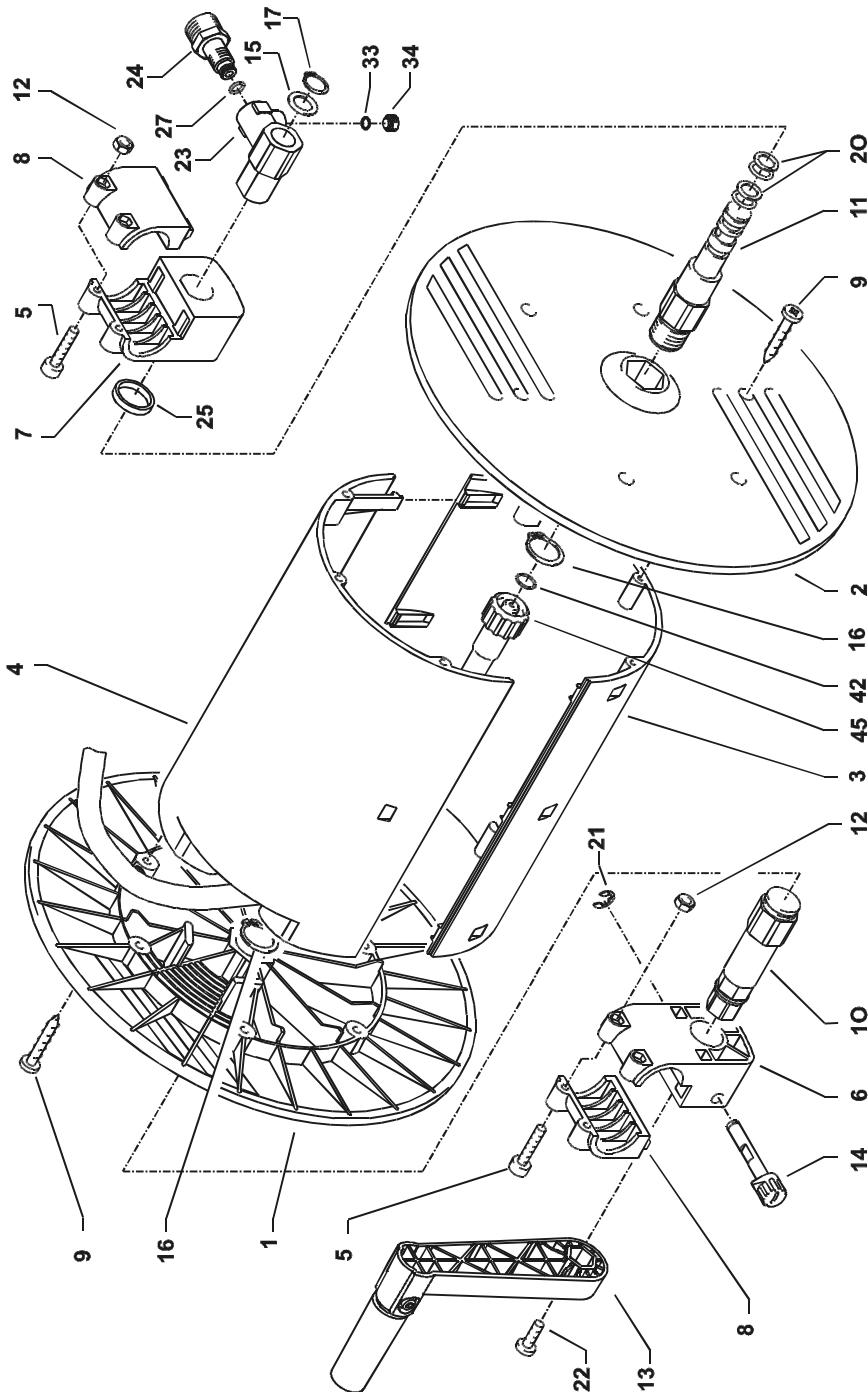
# **Unloadervalve**



**Spare parts list Profi-Jet B 16/220  
Unloadervalve AQ-Pump**

No.	Description	Qty.	Ord.-No.
5	O-Ring 16 x 2	1	13.150
5.1	O-Ring 13,94 x 2,62	1	42.167
8	O-Ring 11 x 1,44	1	12.256
9	Edelstahlsitz	1	14.118
10	Sicherungsring	1	13.147
11	Edelstahlkugel	1	13.148
12	Edelstahlfeder	1	14.119
13	Verschluss schraube	1	14.113
14	Steuerkolben	1	14.134
15	Parbaks 16 mm	1	13.159
16	Parbaks 8 mm	1	14.123
17	Spannstift	1	14.148
18	Kolbenführung spezial	1	42.105
19	Kontermutter M 8 x 1	2	14.144
20	Ventilfeder schwarz	1	14.125
21	Federdruckscheibe	1	14.126
22	Nadel Lager	1	14.146
23	Handrad	1	14.147
25	Elastic-Stop-Mutter M 8 x 1	1	14.152
26	Manometer 0-400 Bar	1	15.039 4
27	Aluminium-Dichtring	2	13.275

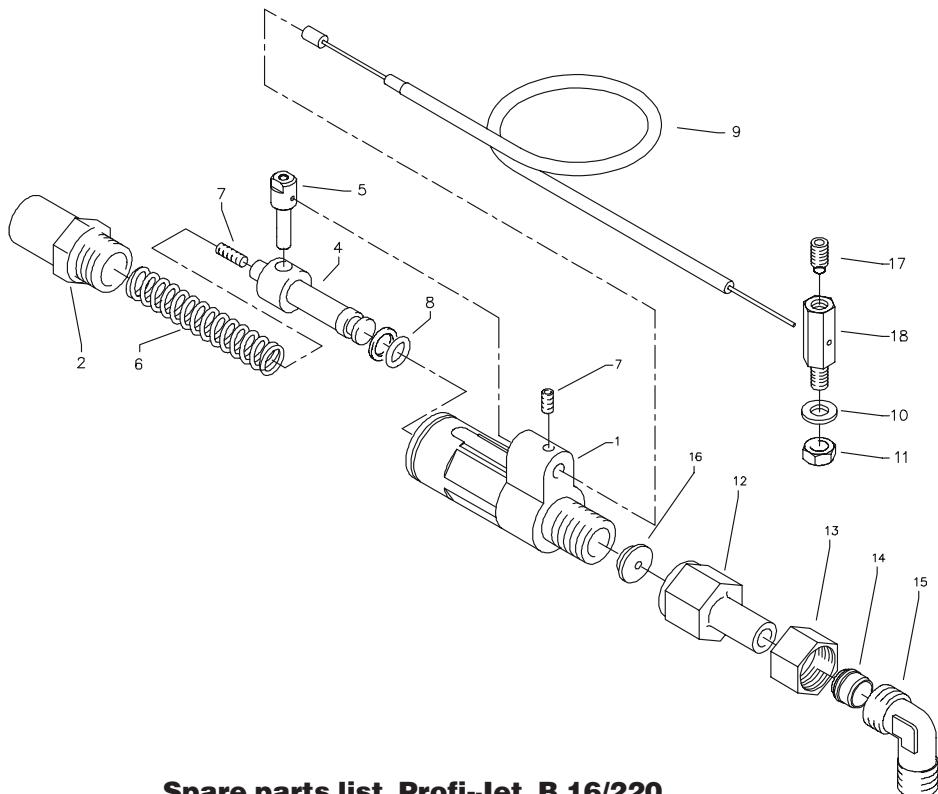
# Hose drum



**Spare parts list Profi-Jet B 13/150; B 16/220**  
**Hose Drum**

No.	Description	Qty.	Ord.-No.	No.	Description	Qty.	Ord.-No.
1	Seitenschale Schlauchführung	1	40.302	21	Sicherungsscheibe 6 DIN6799	1	40.315
2	Seitenschale Wasserführung	1	40.301	22	Schraube M 5 x 10	1	43.021
3	Trommel Unterteil	1	40.304	23	Drehgelenk	1	40.167
4	Trommel Oberteil	1	40.303	24	Anschlußteil	1	40.308
5	Innensechskantschraube M 4 x 30	4	40.236	25	Distanzring	1	40.316
6	Lagerklotz mit Bremse	1	40.306	27	O-Ring 6,68 x 1,78	1	40.385
7	Lagerklotz links	1	40.305	33	O-Ring 6 x 1,5	1	13.386
8	Klemmstück	2	40.307	34	Stopfen M 10 x 1	1	13.385
9	Kunststoffschraube 5,0 x 20	12	50.157	42	O-Ring 9,3 x 2,4	4	13.273
10	Antriebswelle	1	40.310	45	Hochdruckschlauch 20 m NW 8	1	41.083
11	Welle Wasserführung	1	40.311		Hose Drum kpl.		
12	Elastic-Stop-Mutter M 4	4	40.111		without Schlauch		
13	Handkurbel	1	40.320 0				
14	Verriegelungsbolzen	1	40.312				
15	Scheibe MS 16 x 24 x 2	1	40.181		Hose Drum kpl.		
16	Wellensicherungsring 22 mm	2	40.117		with Schlauch		
17	Wellensicherungsring 16 mm	1	40.182				
20	Parbaks 16 mm	2	13.159		Kurbel kpl.		
					Pos. 51 - 57		
							40.309 9

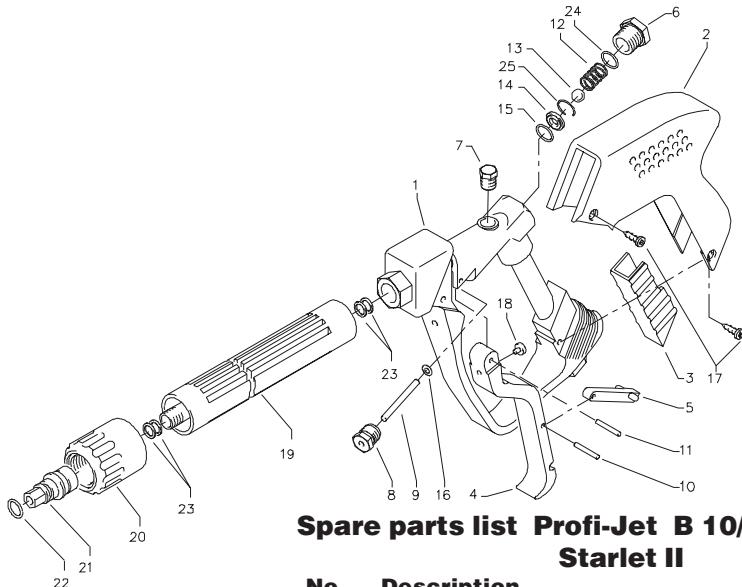
# **Speed control**



**Spare parts list Profi-Jet B 16/220  
Speed control**

No.	Description	Qty.	Ord.-No.
1	Grundteil	1	42.581
2	Druckhülse	1	42.584
4	Steuerkolben	1	42.582
5	Querbolzen	1	42.583
6	Druckfeder 2,0 x 9,5 x 70	1	42.587
7	Gewindestift M4 x 6 DIN 913-A2	1	42.592
8	Parbaks 7 mm	1	15.013
9	Bowdenzug	1	42.586
10	Unterlegscheibe 6,4 DIN 125	1	50.189
11	Sechskantmutter M6	1	14.152 1
12	Anschlussmuffe Drehzahlregulierung	1	42.585
13	Überwurfmutter	1	40.075
14	Klemmhülse	1	40.074
15	Winkelverschraubung 3/8"x 12I	1	44.092
16	Drosselscheibe	1	42.589
17	Gewindestift M 6 x 12 DIN915	1	42.590
18	Klemmbolzen	1	42.591

# **Starlet II - Pistole**



## **Spare parts list Profi-Jet B 10/200; B 16/220 Starlet II**

No.	Description	Qty.	Ord.-No.
1	Ventilkörper mit Handgriff	1	12.294
2	Schutzhülse	1	12.295
3	Abdeckschutz	1	12.296
4	Betätigungshebel	1	12.298
5	Sicherungshebel	1	12.149
6	Abschlußschraube M 16 x 1	1	12.247
7	Stopfen	1	12.287
8	Gewindeführungshülse R 1/4" AG	1	12.250
9	Aufsteuerbolzen	1	12.284
10	Stift	1	12.148
11	Lagernadel	1	12.253
12	Edelstahlfeder	1	12.246
13	Edelstahlkugel	1	12.245
14	Edelstahlsitz	1	13.146
15	O-Ring 11 x 1,44	1	12.256
16	O-Ring 3,3 x 2,4	1	12.136
17	Blechschraube 3,9 x 8	4	12.297
18	Druckstück	1	12.252
19	Rohr kunststoffumspritzt bds. R 1/4" AG	1	15.004 5
20	Überwurfmutter ST30 M 22 x 1,5 IG	1	13.276 1
21	Außen-Sechskant-Nippel R 1/4" IG	1	13.277 1
22	O-Ring 9,3 x 2,4	1	13.273
23	Aluminium-Dichtring	4	13.275
24	O-Ring 15 x 1,5	1	12.129 1
25	Sicherungsring	1	12.258

**Starlet - Gun** with extention

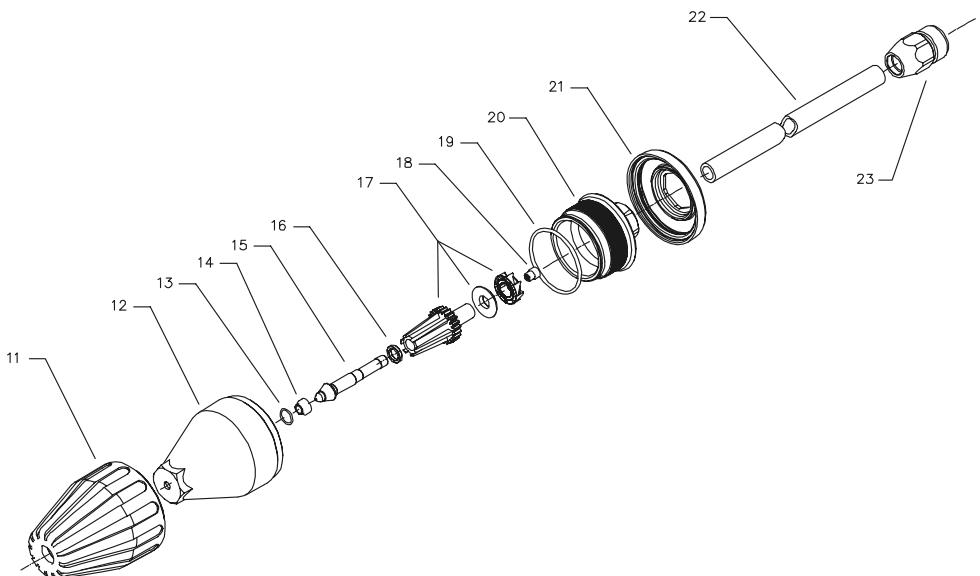
**12.320 2**

**Repair kit "Starlet II"**

consisting of No. 9,10,13,14,15

**12.299**

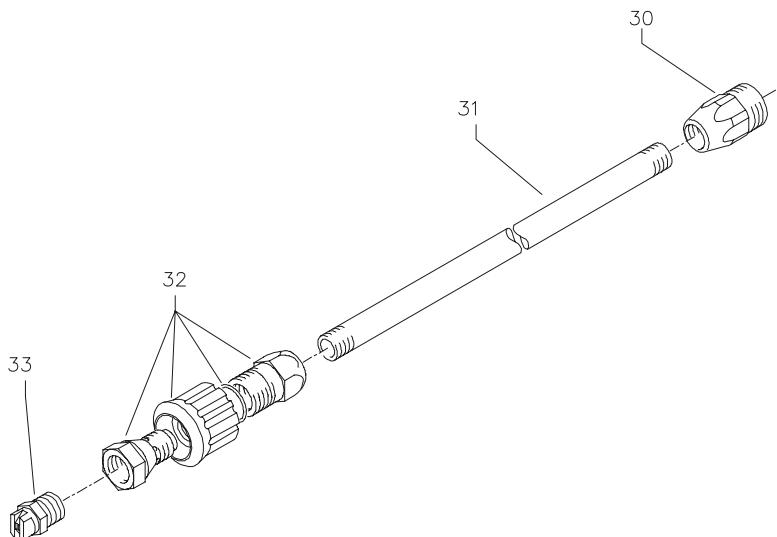
# Turbokiller



## Spare parts list Profi-Jet B 16/220 Turbokiller 055

No.	Description	Qty.	Ord.-No.
11	Sprühkörperschutz	1	41.528
12	Sprühkörper	1	41.529
13	O-Ring 6,88 x 1,68	1	41.521
14	Düsensitz	1	41.522
15	Düse 055	1	41.532
16	Ring	1	41.533
17	Rotor	1	41.534
18	Stabilisator	1	41.524
19	O-Ring 41 x 1,78	1	41.538
20	Deckel	1	41.539
21	Deckelschutz	1	41.540
22	Rohr 500 mm lang; bds. R1/4"	1	12.385 1
23	Nippel M22x1,5 x R1/4" IG	1	13.370
Turbokiller 055 compl. with Lance			41.072 4
Rep. kit Turbokiller 055			41.097 1

# **Standard regulation nozzle**

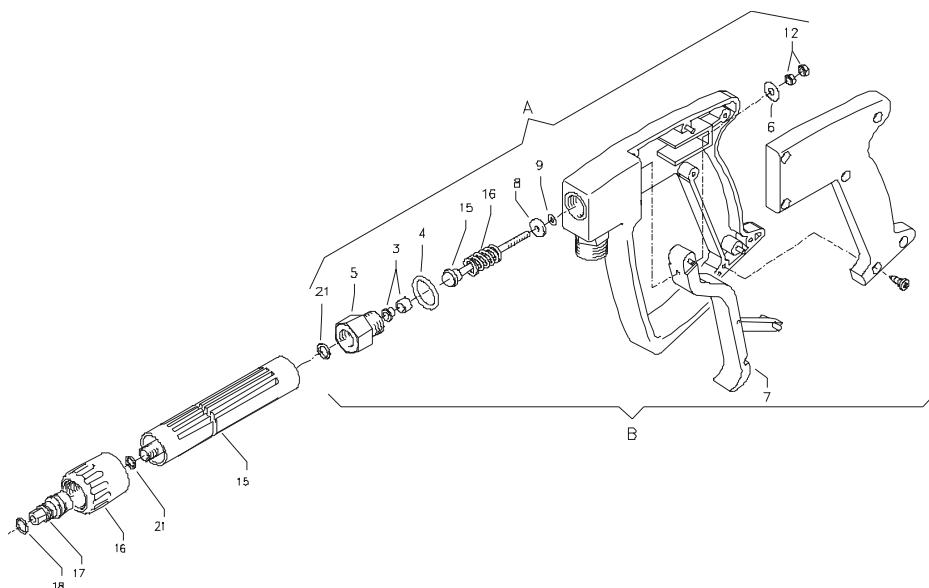


## **Spare parts list Profi-Jet B 13/150; B 16/220 Standard reg. nozzle**

No.	Description	Qty.	Ord.-No.
30	Nippel ST30 M22x1,5 AG / M 12 x 1	1	13.363
31	Rohr 400 mm, bds. M 12 x 1	1	15.002
32	Regeldüse mit Regulierring	1	13.201 2
33	Flat spray nozzle 2505	1	26.001

Please specify size of nozzle

# PICO - Gun



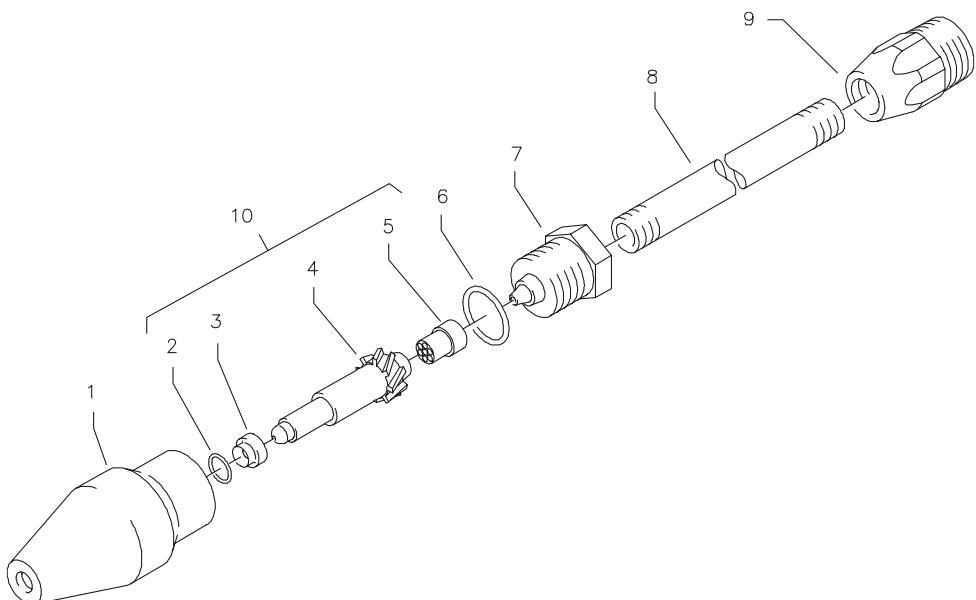
## Spare parts list Profi-Jet B 13/150 Midi-Gun

No.	Description	Qty.	Ord.-No.
5	Rohrabschlußteil R1/4" incl. Pos. 3, 4, 21	1	12.125
6	Scheibe 5,3 DIN9021	1	50.152
7	Abzug-Hebel kpl.	1	12.144 1
15	Rohr kunststoffumspritzt bds. R 1/4" AG	1	15.004 2
16	Überwurfmutter ST 30 M22 x 1,5 IG	1	13.276 1
17	Außen-Sechskant-Nippel R 1/4" IG	1	13.277 1
18	O-Ring 9,3 x 2,4	1	13.273
28	Aluminium Dichtring	6	13.275

**Midi-Gun with extention** **12.160**

**Repair kit "Pico"** **12.158**

consisting of 1x No.:  
3.1, 3a, 3b, 4, 8, 9, 12, 21, 22



**Spare parts list Profi-Jet B 10/200; B 13/150  
Dirtkiller**

No.	Description	Qty.	Ord.-No.
1	Sprühkörper	1	41.520
2	O-Ring 6,88 x 1,68	1	41.521
3	Düsensitz	1	41.522
4	Düse 045 (B13/150)	1	41.523
4.1	Düse 03 (B 10/200)	1	41.523 4
5	Stabilisator	1	41.524
6	O-Ring	1	40.016 1
7	Sprühstopfen	1	41.526
8	Rohr 400 mm 2x M 12 x 1	1	41.527
9	ST 30-Nippel M 22 x 1,5 / M 12 x 1 ISK	1	13.363

**Repair kit Dirtkiller 045 (B13/150)** **41.097**  
consisting of No. 2; 3; 4; 5

**Repair kit Dirtkiller 03 (B13/150)** **41.096 1**  
consisting of No. 2; 3; 4.1; 5

**Dirtkiller 045 with Lance (B13/150)** **41.072 5**  
**Dirtkiller 03 with Lance (B10/200)** **41.073 8**

# ***Inspiration report***

## **for KRÄNZLE - High Pressure Cleaners**

**Regular inspection every 12 months if used professionally!**

Appliance No:

Type:

The following must be checked:

### **1. Safety features**

- a) Manometer
- b) Safety valve (pressure control)
- c) Operating pressure
- d) Cut out pressure (max. 10% above operating pressure)
- e) Low pressure with trigger released

### **2. General condition**

- a) High pressure hose
- b) Spray gun
- c) Motor
- d) Oil level

**The information in the operating instructions are a part of the inspection**

<b>Result of inspection:</b>	<b>Date of inspection:</b>	<b>Faults rectified, Stamp and signature</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

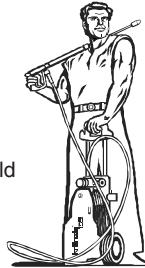
Excerpt from the Guidelines for Liquid Spray Equipment (ZH 1/46) by the Central Office of the Professional Trade Association.

Inspection:

Liquid spray equipment should be inspected for safe operation by a qualified person whenever necessary, but no less than every 12 months. The maker's or supplier's instructions must be followed. The inspection intervals may be extended if the equipment is not in active use.

In Germany, inspections compliant with the (German) Emission Controls Act may be required for oil and gas-fired equipment, and the owner must arrange for these to be carried out independently of the main inspection.

The results of inspections must be recorded in writing and presented to the respective authorities on demand. There is no set form for these records.



## EC declaration of conformity

We hereby declare,  
that the high-pressure models:

Kräntzle B10/200 - B16/220

(techn. documentation available from):

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

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

**Machine guideline 89/392/EEC  
Low voltage guideline 2006/95/EG  
Specification for electromagnetic  
compatibility 89/336 EEC  
Outdoor noise directive 2000/14/EC,  
Art. 13, High-pressure water jet machines  
Appendix 3, part B, chapter 27**

Sound power level measured:  
guaranteed:

100 dB (A)  
103 dB (A)

Applied specifications and standards:

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

Bielefeld, den 08.09.05



Droitsch

(Managing Director)

Order n°: 30 212 1

Reprint only allowed with the authorization of **kranzle**  
As date of 06.09.2007