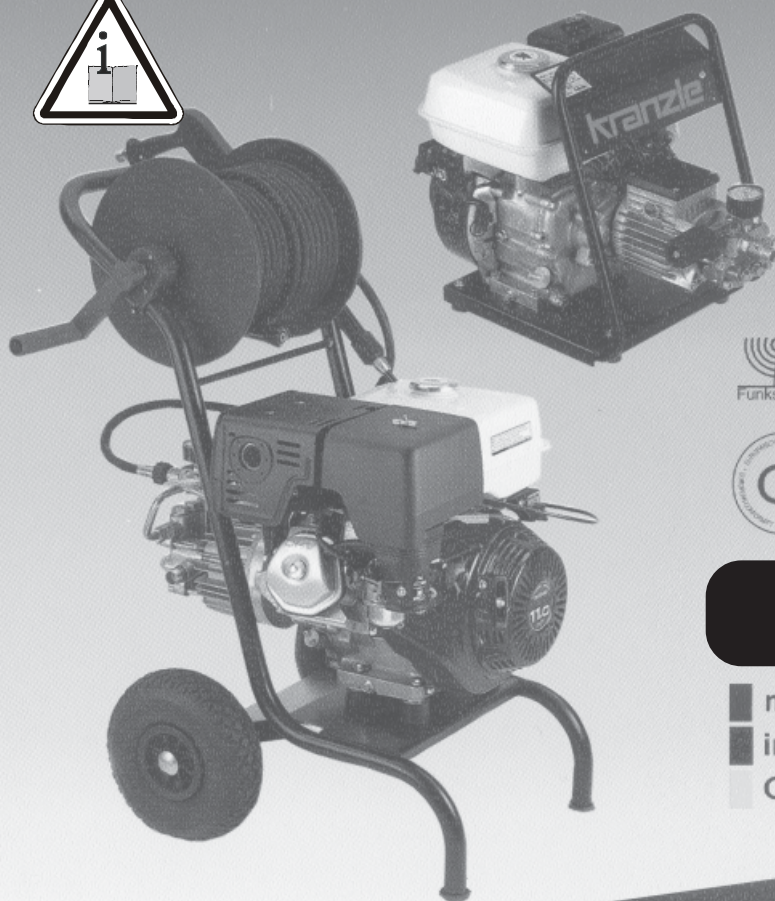


kränzle®

GB

High pressure cleaners

D 16/220



made
in
Germany



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.

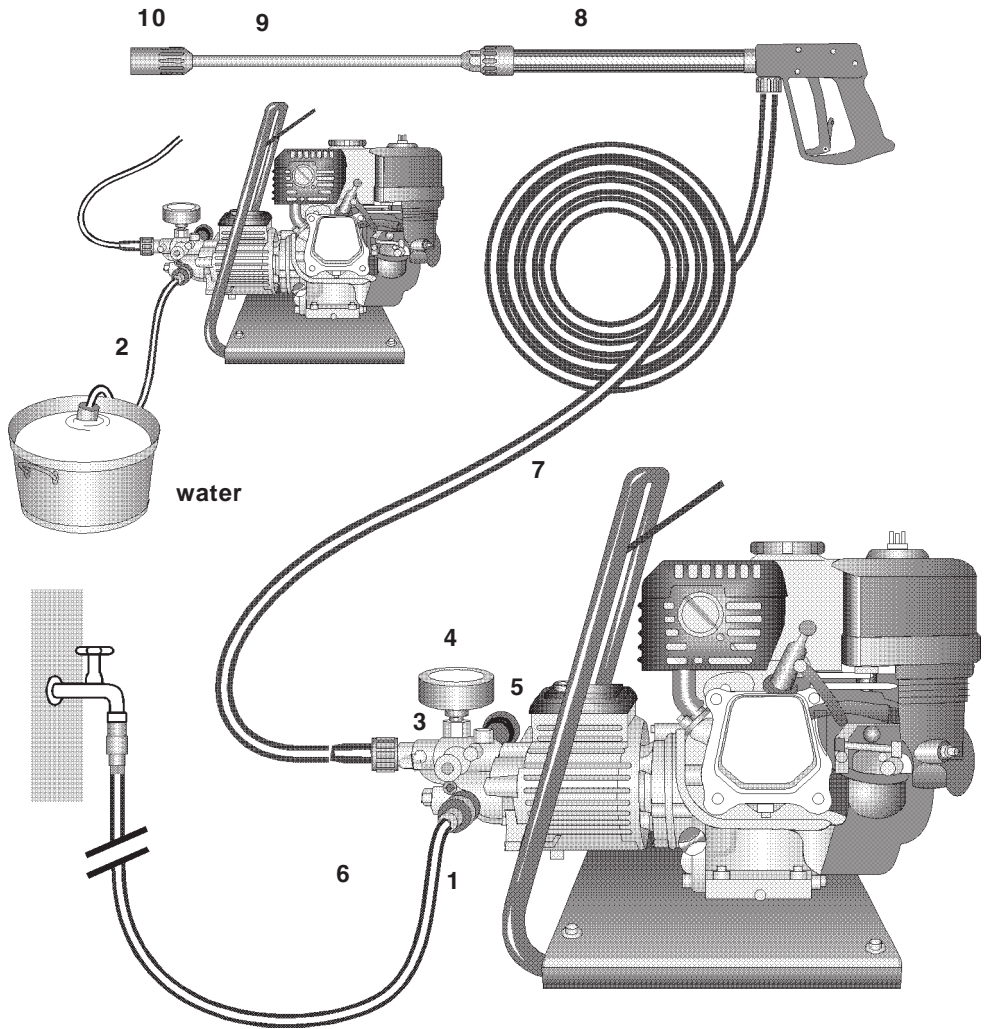
To ease your introduction to the use of the cleaner, we have provided the following pages of explanations, tips and hints.

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

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

technical specifications	D 16/220
operating pressure, steplessly adjustable	10 - 220 bar
permissible overpressure	240 bar
water output	at 1800 rpm 16 l/min
hot water input up to	70 °C
suction height	2,5 m
high pressure hose with hose drum	10 m 15 m
engine	Yanmar L100AE-S
weight	26 kg
Guaranteed sound level L_{WA}	103 dB(A)
Vibrations at lance	2,2 m/s ²
recoil at lance	approx. 38 Nm

Description



Construction

The KRÄNZLE D 16/220 - high pressure cleaners are mobile machines. The design can be seen from the diagram.

Item

- | | |
|--|--------------------------------|
| 1 Water inlet connection with filter | 6 Injector for cleaning agents |
| 2 Suction hose with filter | 7 High pressure hose |
| (special accessory) order No. 15.038 3 | 8 Spray gun assembly |
| 3 High pressure pump | 9 Interchangeable lance |
| 4 Pressure gauge with glycerin filling | 10 Regulator nozzle |
| 5 Unloader valve - safety valve | |

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.



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 remains switched on and continues to pump liquid through the pump at reduncated 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 Yanmar operating manual only.

Motor-safety: (see Yanmar operating manual)

Yanmar 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 EN 61 770, the machine may not be directly connected to the public drinking water supply lines.

A brief connection however is permissible according to DVGW (German Association for Gas and Water Affairs) if a tube ventilator with check valve (KRÄNZLE Order-No. 41.016 4) is built into the water supply.

Also indirect connection to the public drinking water supply lines is permissible by way of free emission in accordance with EN 61 770; e.g. by using a reservoir with a float valve.

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

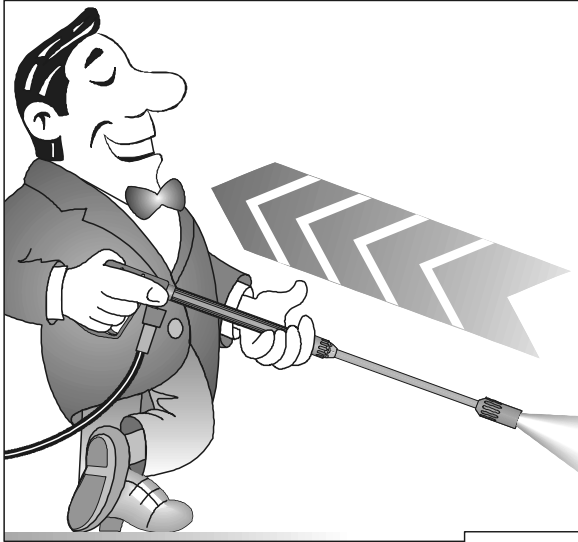
High pressure hose and spray device

The high pressure hose and 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.



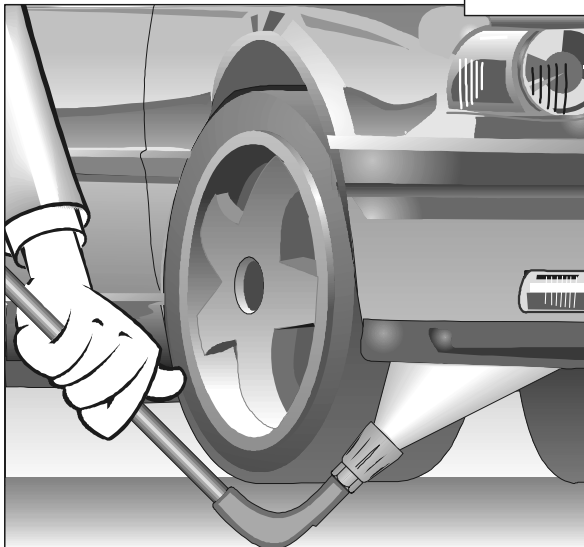
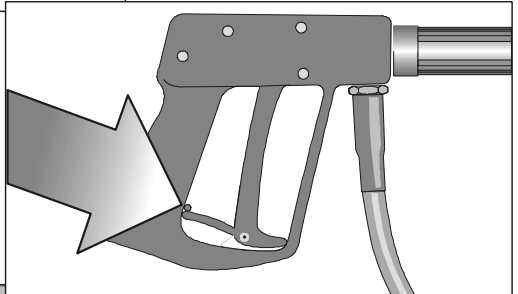
If replacement parts are required, only such parts that are authorized by the manufacturer and which bear the markings required by the appropriate regulations may be used. The high pressure hose and spray device must be connected in a pressure-tight manner. The high pressure hose may not be driven over,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

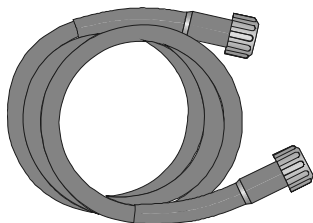


2. Spray gun with insulated pistol grip and screw connection

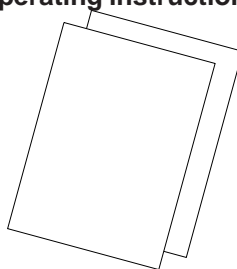


3. KRÄNZLE - High pressure cleaner
D 16/220

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



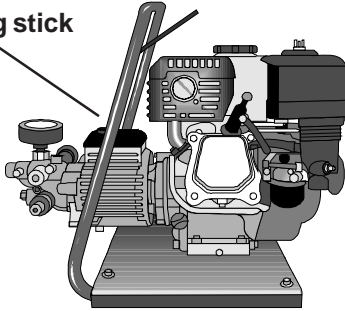
5. Operating instructions pump
Operating instructions motor



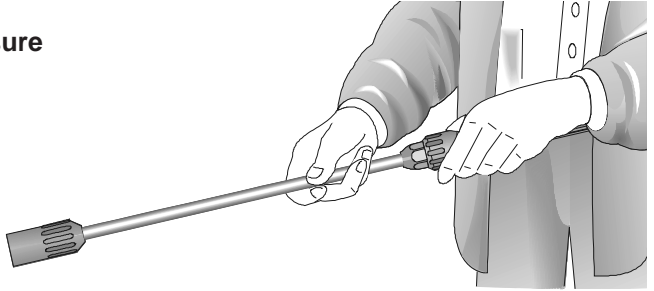
6. Water inlet components

Prepare for use

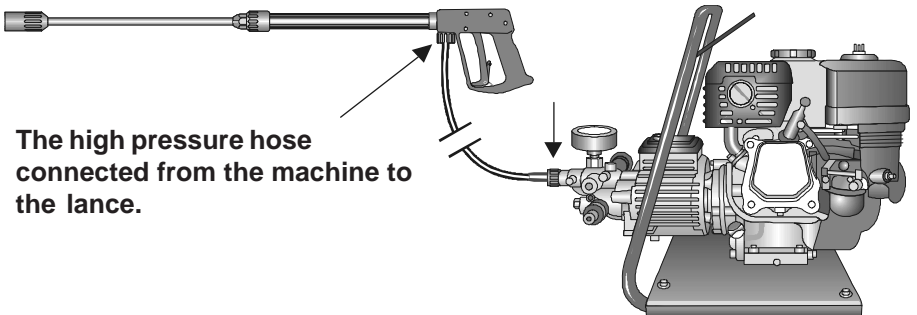
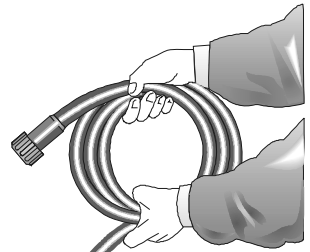
1. Oil-measuring stick



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

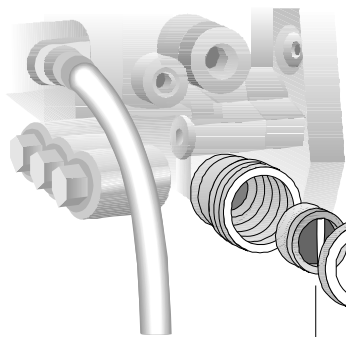


3. Unwind the high pressure hose without leaving kinks or "nooses" and connect it to the spray gun and pump. When using extension hoses, use max. 20 m high pressure hose, or 2 x 10 m with hose connectors.



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

Preparation for use



4. The machine can be connected to a pressurised water line with cold or 60 °C respectively 70 °C hot water (see page 2).

Ensure that the water supply is clean when sucking from external sources.

The hose cross section must be at least $1/2" = 12.7 \text{ mm}$ (free passage). Filter 1 must always be clean.

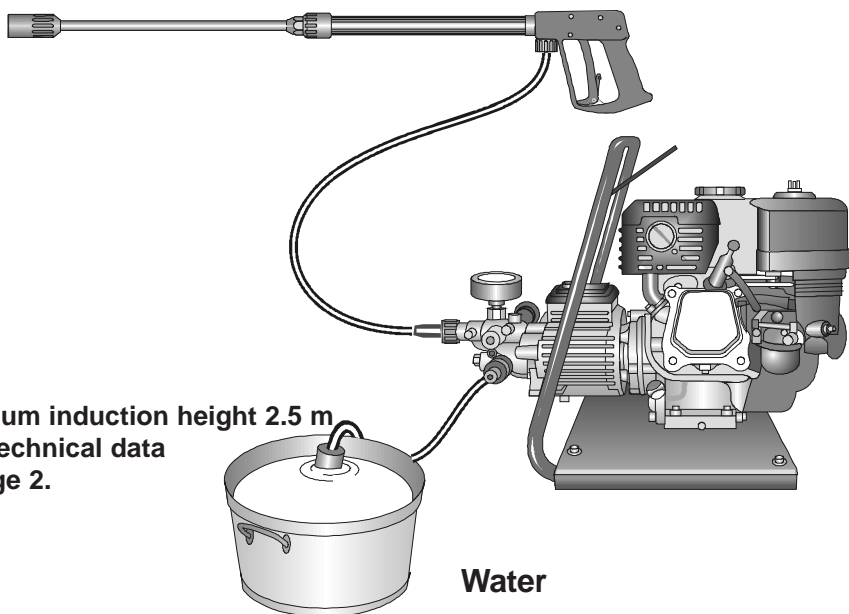
Please make sure that the filter is clean before using your high pressure cleaner.

CAUTION !



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

Do not touch the machine without safety gloves.



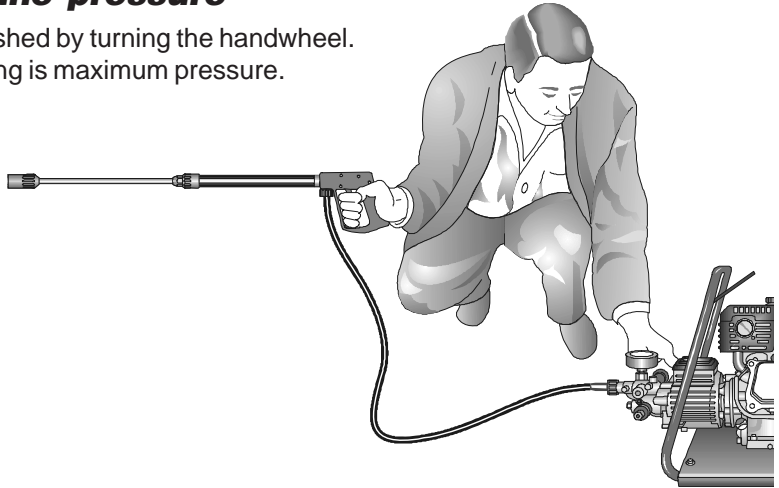
5. Maximum induction height 2.5 m
- see technical data
on page 2.

Water

Preparation for use

Adjusting the pressure

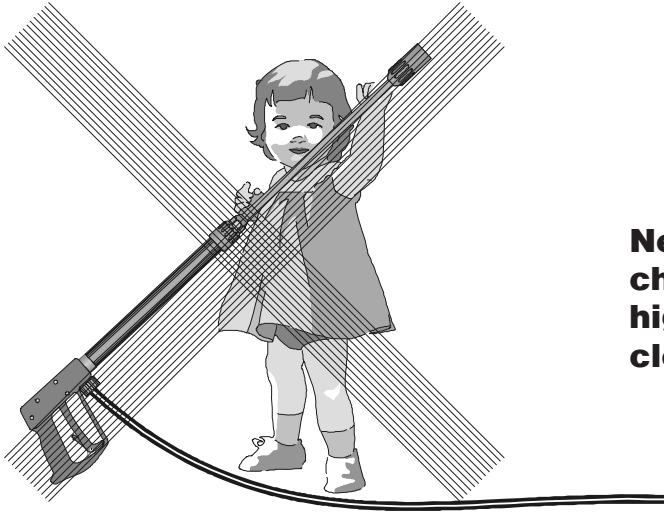
This is accomplished by turning the handwheel.
The default setting is maximum pressure.



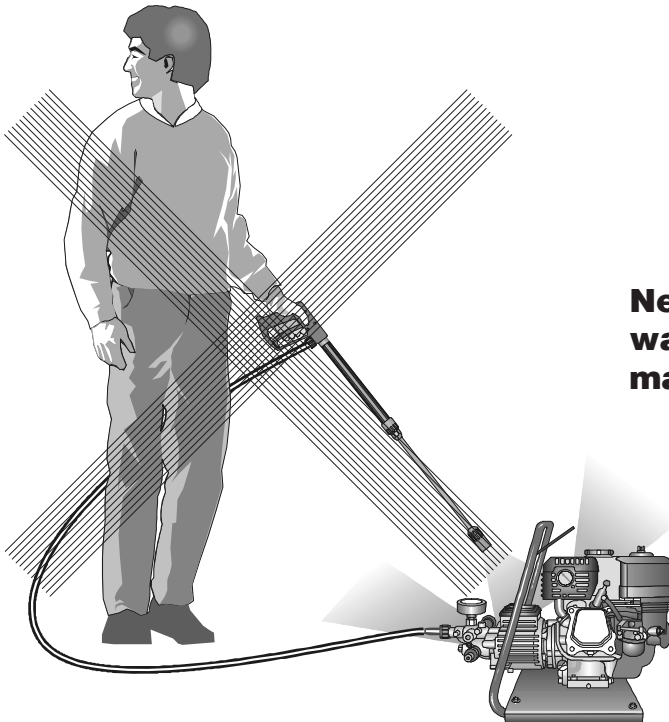
To shut down the pump:

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

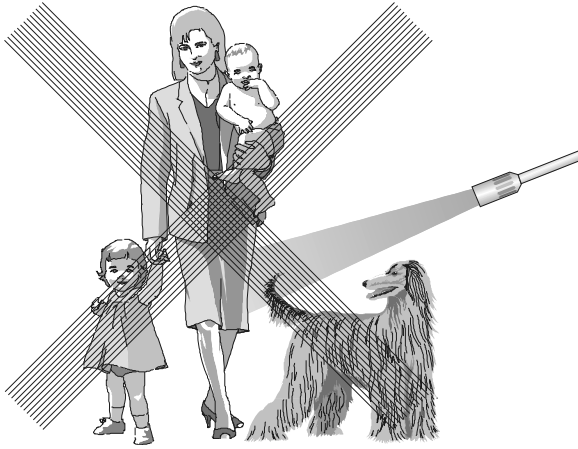


**Never allow
children to use the
high pressure
cleaner !**

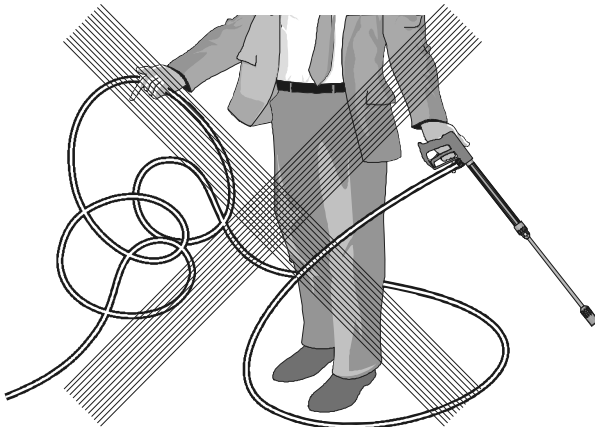


**Never direct the
water jet at the
machine itself !**

This is prohibited

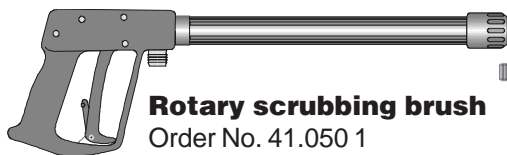


**Never direct the
water jet at people
or animals !**



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

Additional **KRÄNZLE** accessories



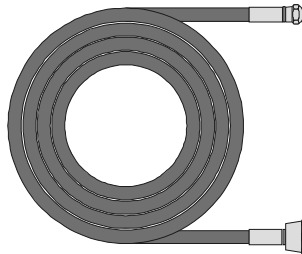
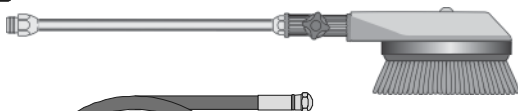
Rotary scrubbing brush

Order No. 41.050 1

Drain and pipe cleaning hose

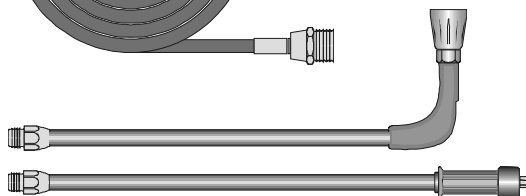
8 m - Order No. 41.051

15 m - Order No. 41.058



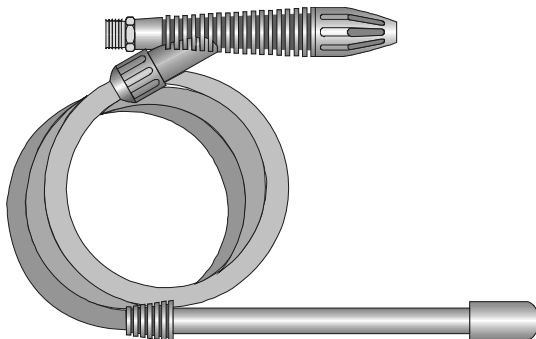
Underbody lance, new

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

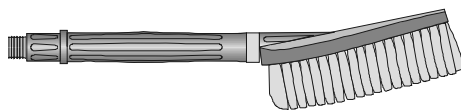
B13/150

Order No. 41.072 5

Turbokiller

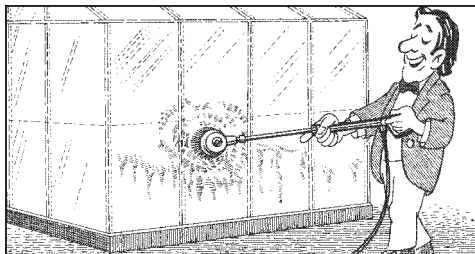
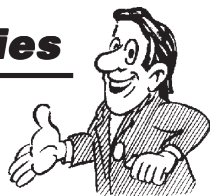
B 16/220

Order No. 41.072 4

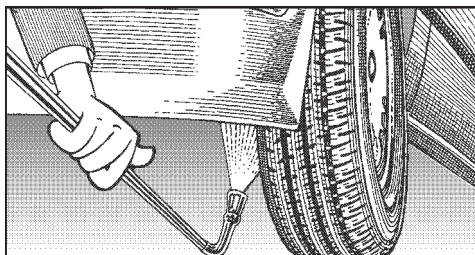


**Environmental, refuse disposal and water
protection regulations must be observed
when using the accessories.**

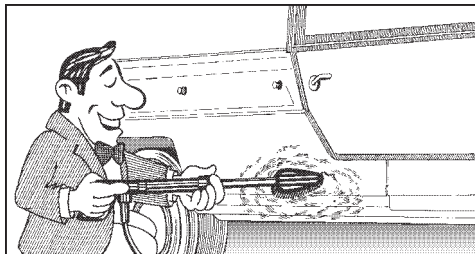
for further combination possibilities



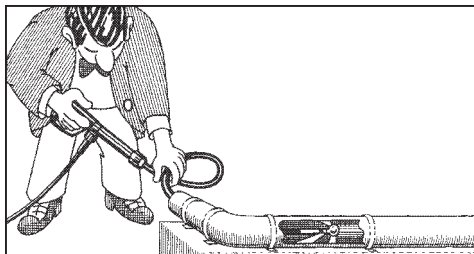
Car cleaning, glass, caravan, boat etc.:
rotary washing brush with 40 cm extension
and
ST 30 nipple M 22



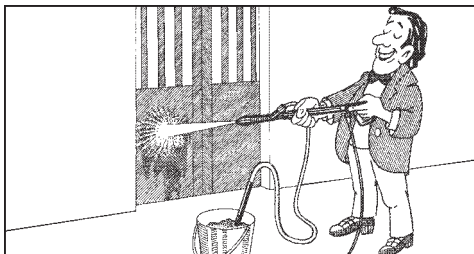
Underbody cleaning of cars, trailers and
equipment: lance 90 cm with high pressure
nozzle and ST 30 nipple. The lance must
be aimed when spraying.



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



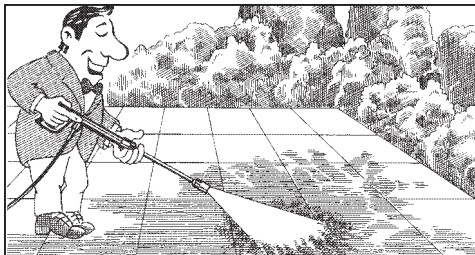
Cleaning pipes, channels and drains: Pipe
cleaning hose with KN nozzle and
ST 30 nipple M 22.



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



**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 !

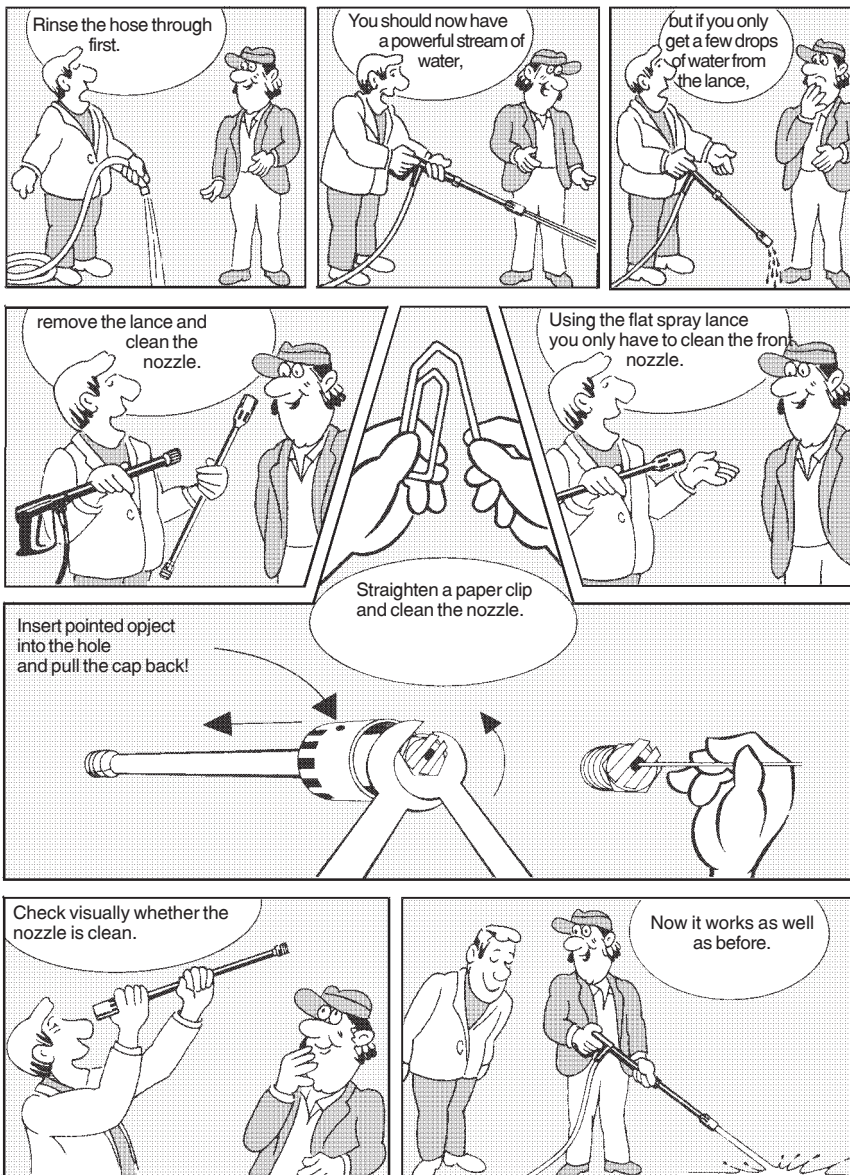
- The pressure gauge shows a 10% higher pressure than the working pressure.



Do it yourself !

The nozzle is blocked !

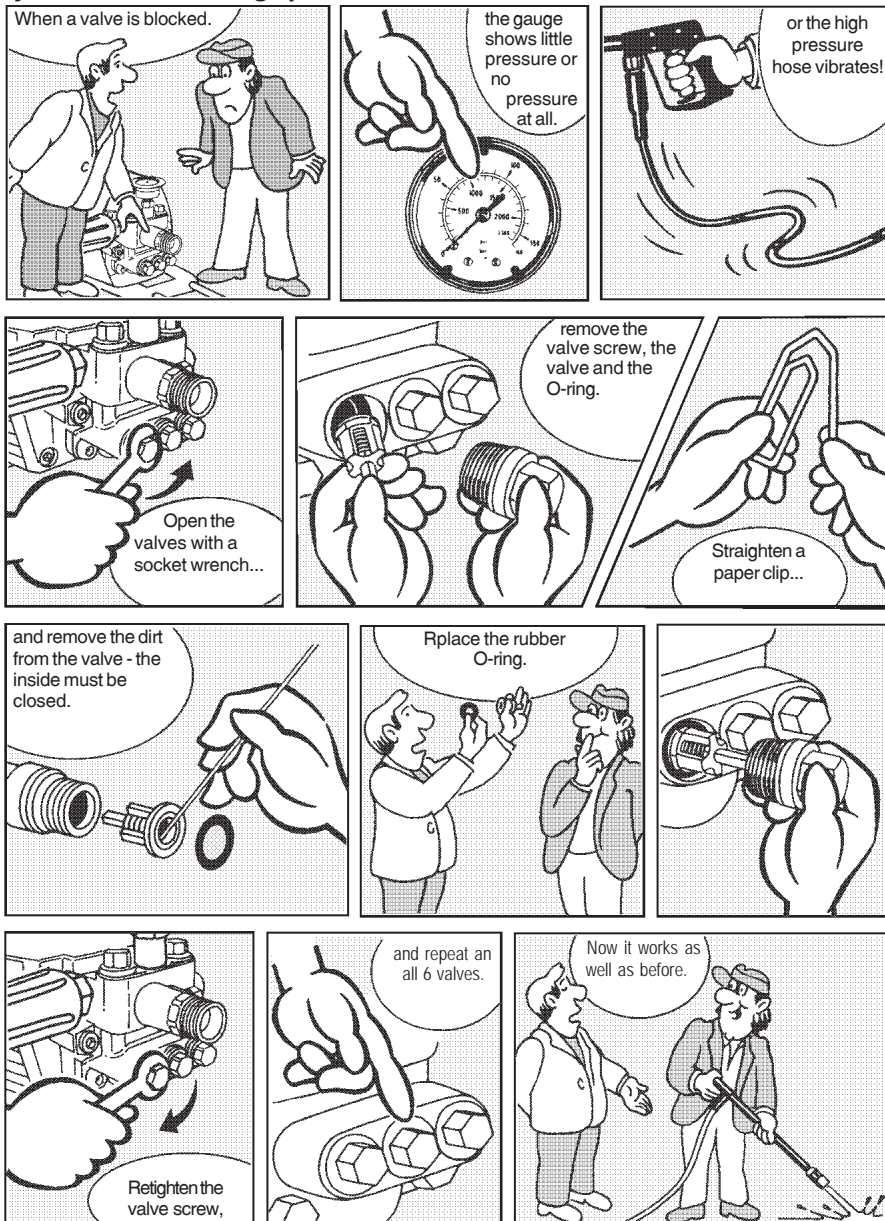
- No water but the gauge shows full pressure.



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.
- The high-pressure hose vibrates.



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 D16/220:

The oil of your high pressure pump should be changed after approx. 40 hours of operation, or no later than when it takes on a grey or whitish colour. Open the oilplug over a container and drain off all the oil. The oil must be caught in a container and disposed of in a responsible, legal manner.
New oil: 1,0 l - Castrol Formula RS

Guarantee

The guarantee is only valid for material and manufacturing errors. Wearing does not fall within this guarantee.

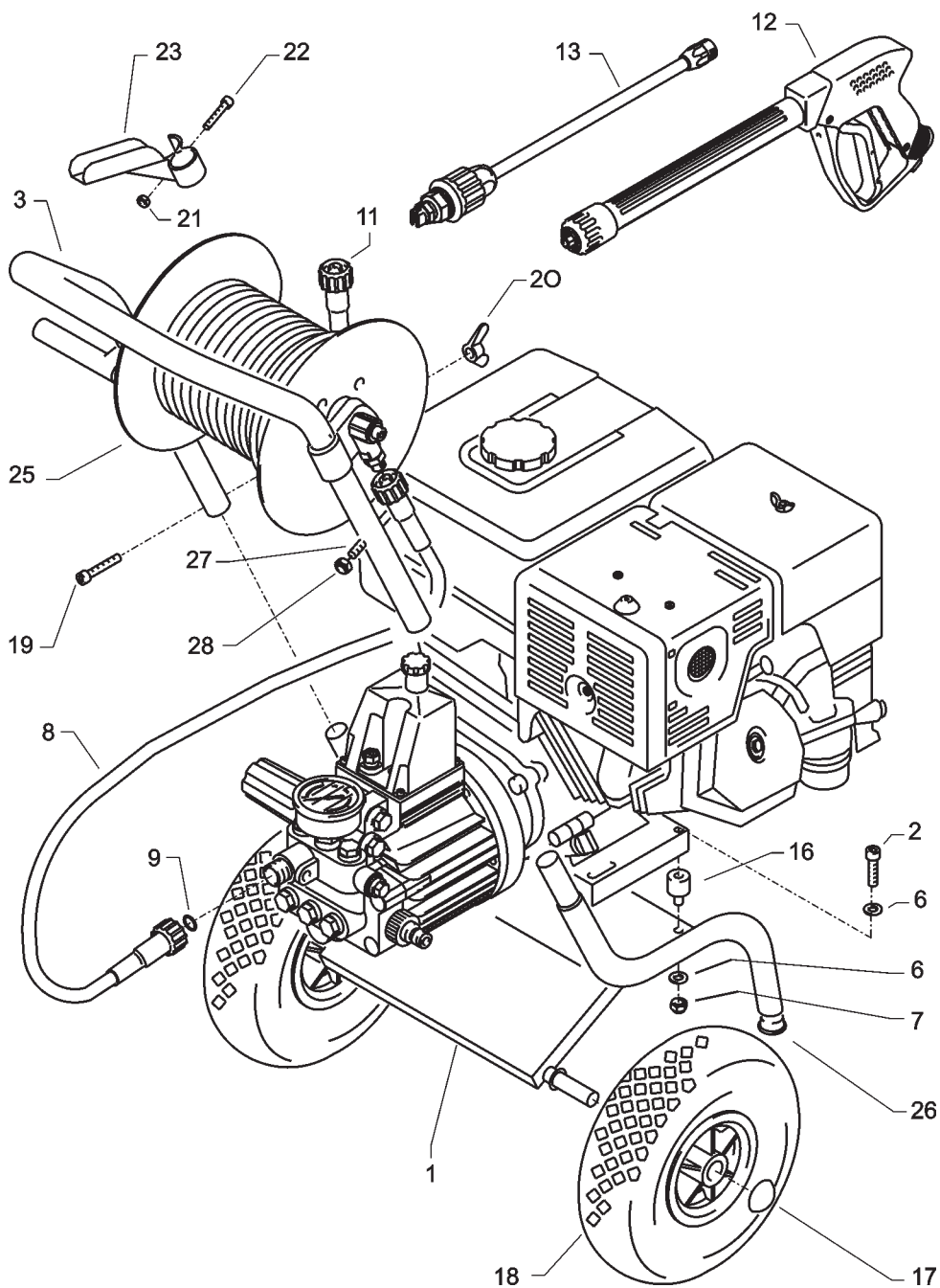
The instructions in our operating manual must be complied with. The operating instructions form part of the guarantee. The Guarantee is void if other parts are used than genuine Kränzle accessory parts or genuine Kränzle spare parts.

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.

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.

Complete Assembly

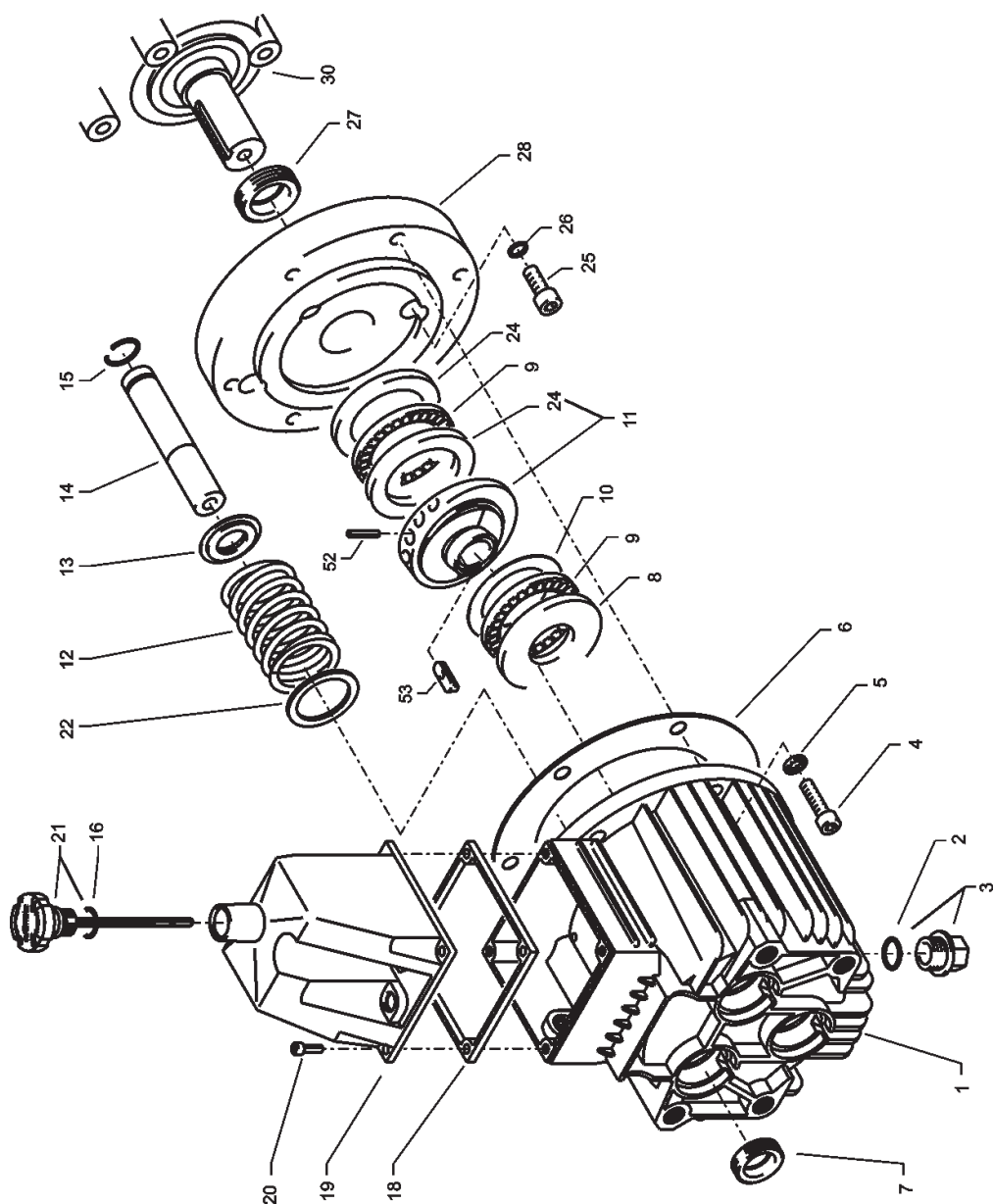


KRÄNZLE D 16/220

Spare parts list Profi-Jet D 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	1	41.053 2
	please specify size of nozzle		
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
	Speedcontrol with 1m Bowden cable	1	40.255 1
	Motor Yanmar L100 AE-S		24.200
	Upgrade kit hose drum		41.259 1
	with 1 m HP-Connection hose		
	with 20 m HP-hose		

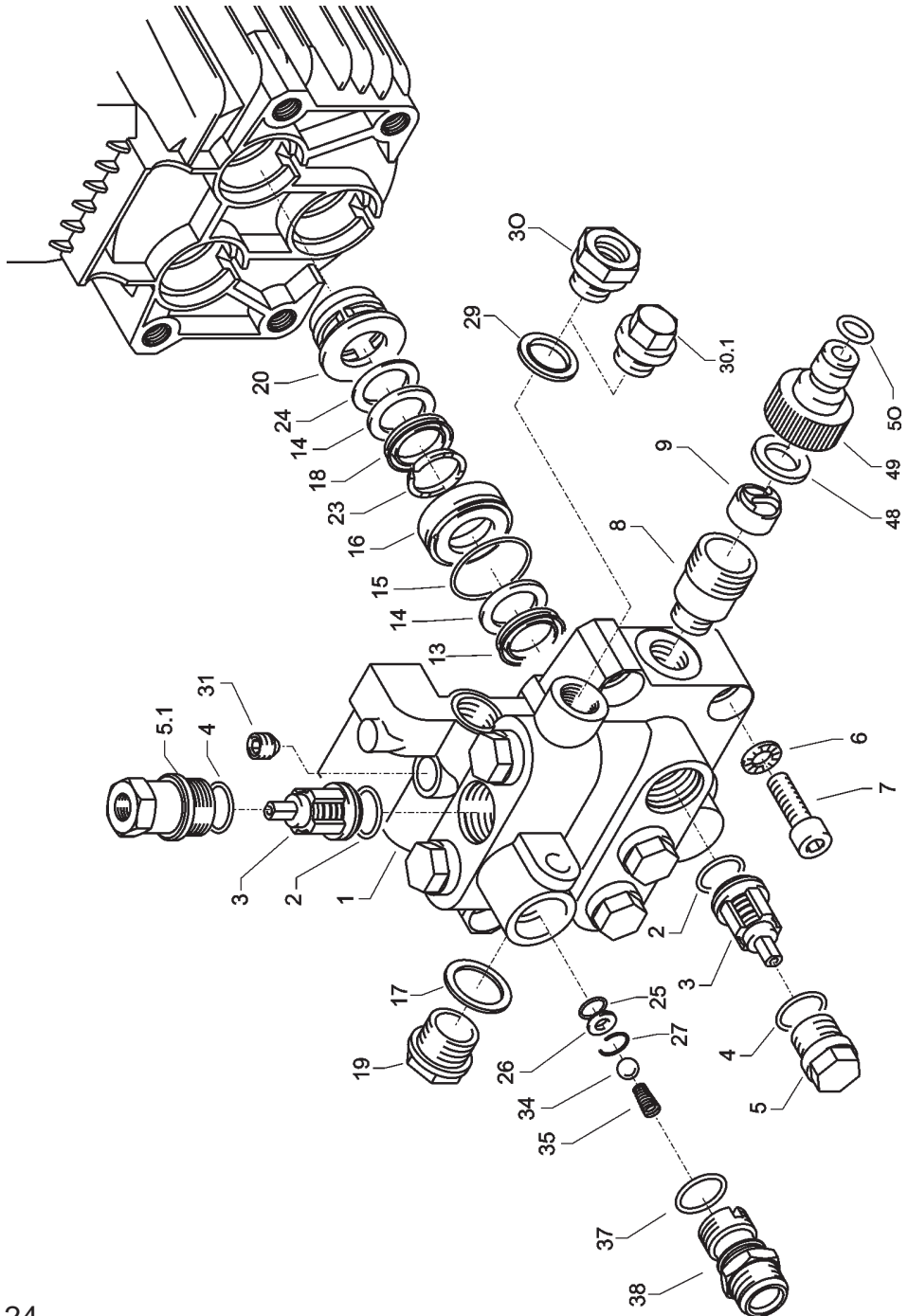
Transmission unit



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

No.	Description	Qty.	Ord.-No.
1	Ölgehäuse	1	40.501
2	O-Ring 13,94 x 2,62	1	42.167
3	Ölablassstopfen R 3/8"	1	42.019
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	Swash plate 8° 30mm	1	40.042 7-8,0°
12	Plungerfeder	3	40.506
13	Federdruckscheibe	3	40.510
14	Plunger 20 mm (lang)	3	40.505
15	Sprengring	3	40.048
16	O-Ring 14 x 2	1	43.445
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 2
22	Stützscheibe	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 D 16/220	1	40.225
30	Motor Yanmar L100 AE-S	1	24.200
52	Spannstift	1	14.148
53	Stufenkeil	1	40.222

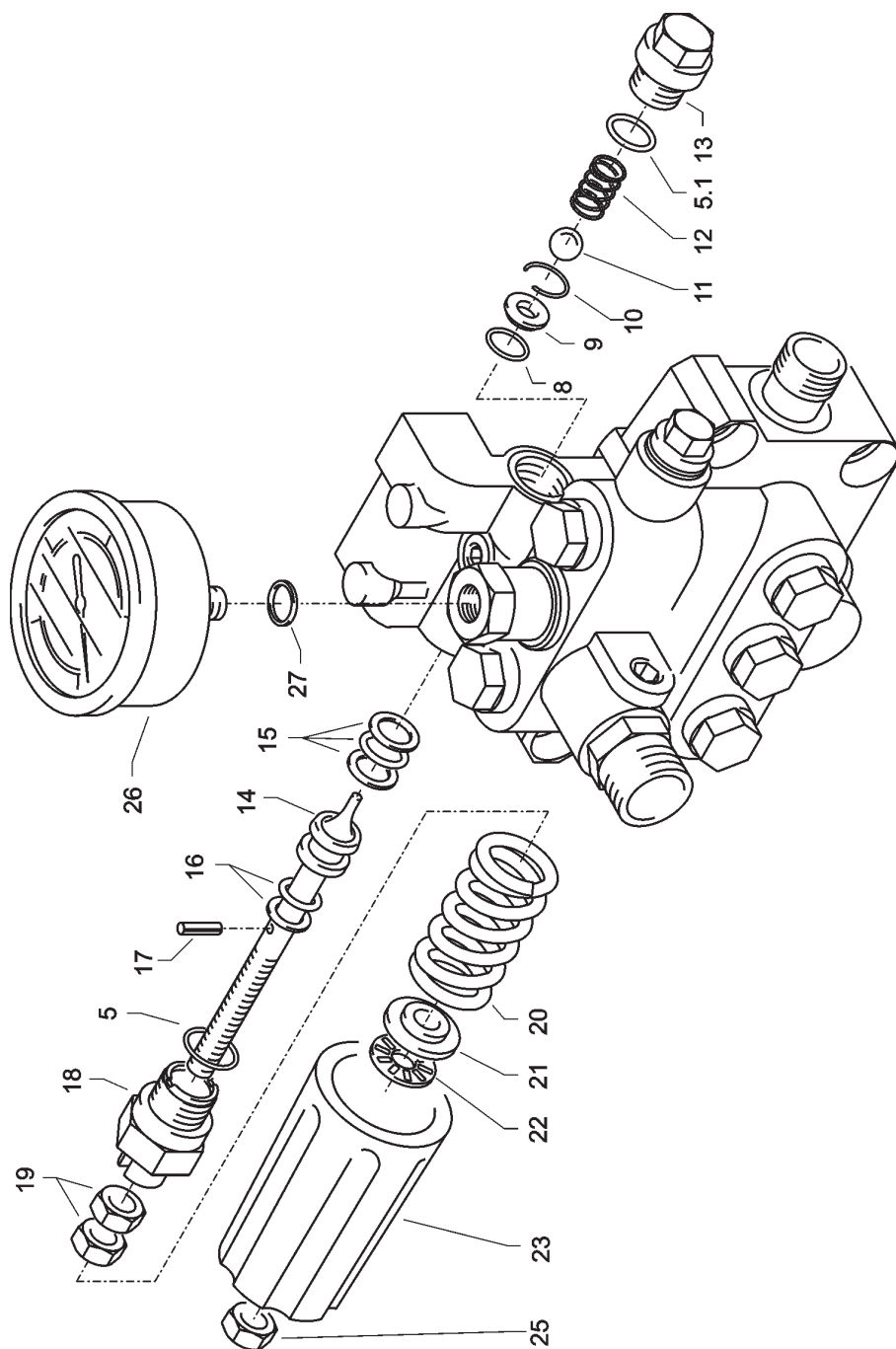
Valve housing



Spare parts list Profi-Jet D 16/220 **Valve housing AQ-Pump**

No.	Description	Qty.	Ord.-No.	No.	Description	Qty.	Ord.-No.
1	Ventilgehäuse AQ mit integr. UL ohne integr. Druckschalter	1	40.521	31	Dichtstopfen M 10 x 1	1	43.043
2	O-Ring 18 x 2	6	40.016	34	Edelstahlkugel Ø10	1	12.122
3	Einlass- / Auslass- Ventil	6	42.024	35	Rückschlagfeder „K“	1	14.120 1
4	O-Ring 21 x 2	6	42.025	37	O-Ring 18 x 2	1	43.446
5	Ventilstopfen	5	42.026	38	Ausgangsstück Injektor ST30 M22x1,5	1	43.447
5.1	Ventilstopfen mit R 1/4" IG	1	42.026 2	48	Gummidichtung für Steckkupplung	1	41.047 1
6	Sicherungsring	4	40.032	49	Steckkupplung für Wassereingang	1	41.047 2
7	Innensechskantschraube M 12 x 45	4	40.504	49.1	Steckkupplung kpl		41.047 4
8	Sauganschluss R 1/2" AG	1	41.016 1		Pos. 48 - 50		
9	WassereingangsfILTER	1	41.046 2	50	O-Ring	1	41.047 3
13	Gewebemanschette	3	40.023		Repair kit sleeves		40.065 1
14	Backring 20 mm	6	40.025		consisting of: 3x No. 13; 6x No. 14;		
15	O-Ring 31,42 x 2,62	3	40.508		3x No. 15; 3x No. 16; 3x No. 18;		
16	Leckagering 20 x 36 x 13,3	3	40.509		3x No. 20; 3x No. 23		
17	Cu-Dichtring 21 x 28 x 1,5	1	42.039		Repair kit sleeves without		40.517
18	Gummimanschette	3	40.512		brassparts consisting of:		
19	Verschlussschraube R 1/2"	1	42.032		3x No. 13; 6x No. 14; 3x No. 15;		
20	Distanzring mit Abstützung	3	40.507		3x No. 18; 3x No. 23		
23	Druckring 20 mm	3	40.021		Repair kit Valves		40.062 1
24	Zwischenring 20 mm	3	40.516		consisting of:		
25	O-Ring 11 x 1,5	1	12.256		6x No. 2; 6x No. 3; 6x No. 4		
26	Edelstahlsitz Ø 7	1	14.118				
27	Sprengring	1	13.147				
29	Dichtring 17 x 22 x 1,5 (Kupfer)	1	40.019				
30	Anschlussmuffe 3/8" AG x 3/8" IG bei Ausführung mit Drehzahlregulierung	1	13.136				
30.1	Verschlussschraube 3/8" AG bei Ausführung ohne Drehzahlregulierung	1	40.018				

Unloadervalue

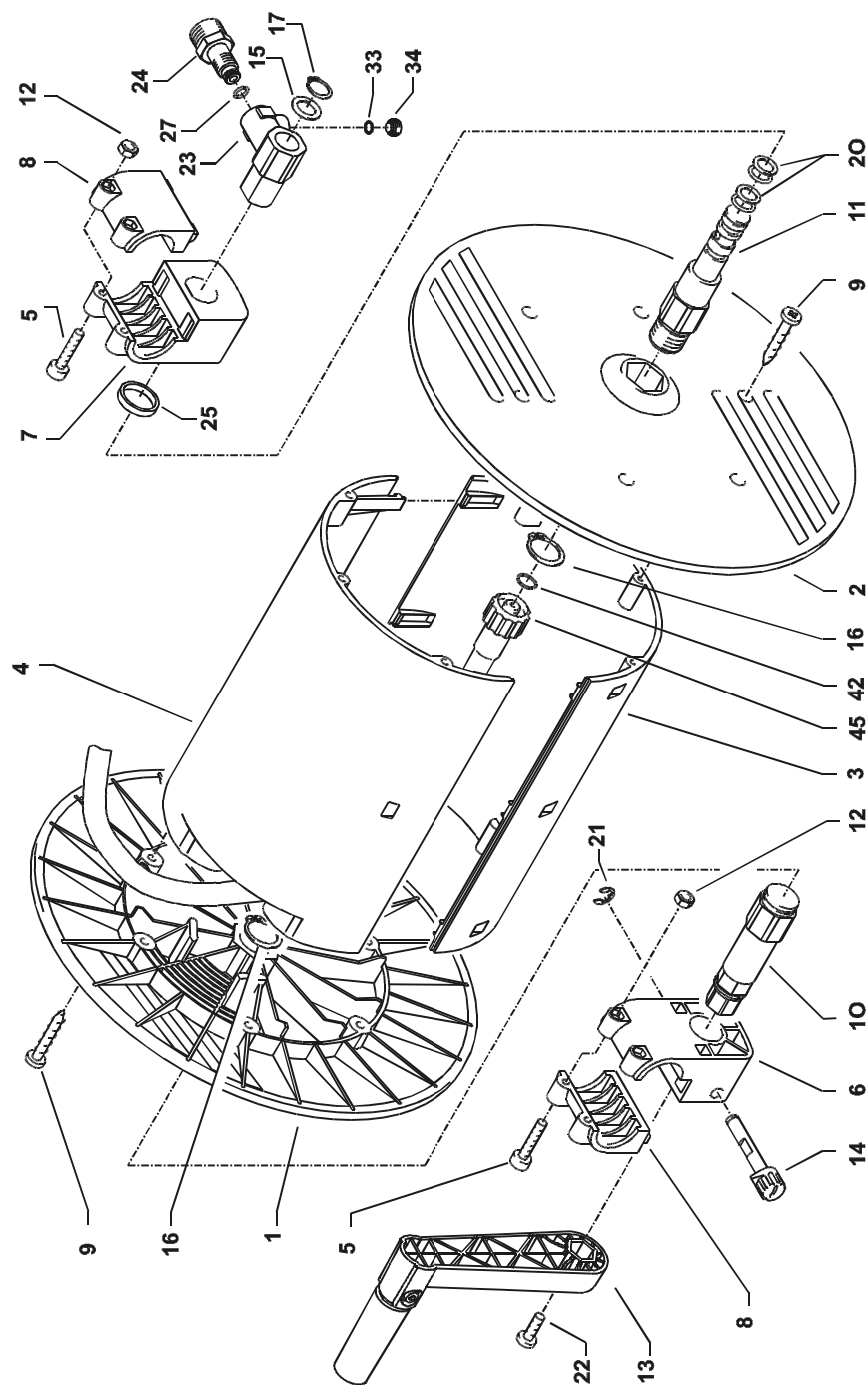


KRÄNZLE D 16/220

Spare parts list Profi-Jet D 16/220 Unloader valve AQ-Pump

No.	Description	Qty.	Ord.-No.
5	O-Ring 16 x 2	2	13.150
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	Verschlußschraube	1	14.113
14	Steuerkolben	1	14.134
15	Parbaks 16 mm	1	13.159
16	Parbaks 8 mm	1	14.123
17	Spansstift	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	Nadellager	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

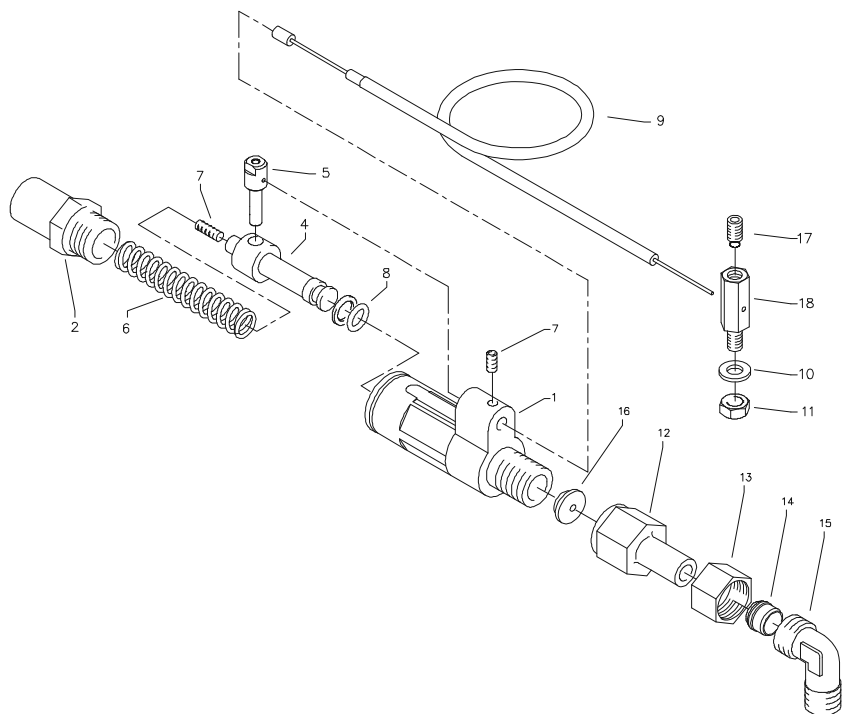
Hose drum



Spare parts list Profi-Jet D 16/220 Hose Drum

No.	Description	Qty.	Ord.-No.	No.	Description	Qty.	Ord.-No.
1	Seitenschale Schlauchführung	1	40.302	51	Kurbelarm	1	40.309 1
2	Seitenschale Wasserführung	1	40.301	52	Hülse	1	40.309 2
3	Trommel Unterteil	1	40.304	53	Druckfeder	1	40.309 3
4	Trommel Oberteil	1	40.303	54	Bolzen	1	40.309 4
5	Innensechskantschraube M 4 x 25	4	40.313	55	Griff mit Kappe und Gleitscheibe	1	40.309 5
6	Lagerklotz mit Bremse	1	40.306	56	Spannstift 4 x 28	1	40.309 6
7	Lagerklotz links	1	40.305	57	Flachsprengring SW18	1	40.309 8
8	Klemmstück	2	40.307				
9	Kunststoffschraube 5,0 x 20	12	43.018		<i>Hose Drum kpl.</i>		<i>41.259 0</i>
10	Antriebswelle	1	40.310		without Schlauch		
11	Welle Wasserführung	1	40.311				
12	Elastic-Stop-Mutter M 4	4	40.111		<i>Hose Drum kpl.</i>		<i>41.259 1</i>
13	Handkurbel	1	40.309 9		with Schlauch		
14	Verriegelungsbolzen	1	40.312				
15	Scheibe MS 16 x 24 x 2	1	40.181				
16	Wellensicherungsring 22 mm	2	40.117				
17	Wellensicherungsring 16 mm	1	40.182				
20	Parbaks 16 mm	2	13.159				
21	Sicherungsscheibe 6 DIN6799	1	40.315				
22	Schraube M 5 x 10	1	43.021				
23	Drehgelenk	1	40.167				
24	Anschlußteil	1	40.308 1				
25	Distanzring	1	40.316				
27	O-Ring 6,68 x 1,78	1	40.585				
33	O-Ring 6 x 1,5	1	13.386				
34	Stopfen M 10 x 1	1	13.385				
42	O-Ring 9,3 x 2,4	4	13.273				
45	Hochdruckschlauch 20 m NW 8	1	41.083				

Speed control



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

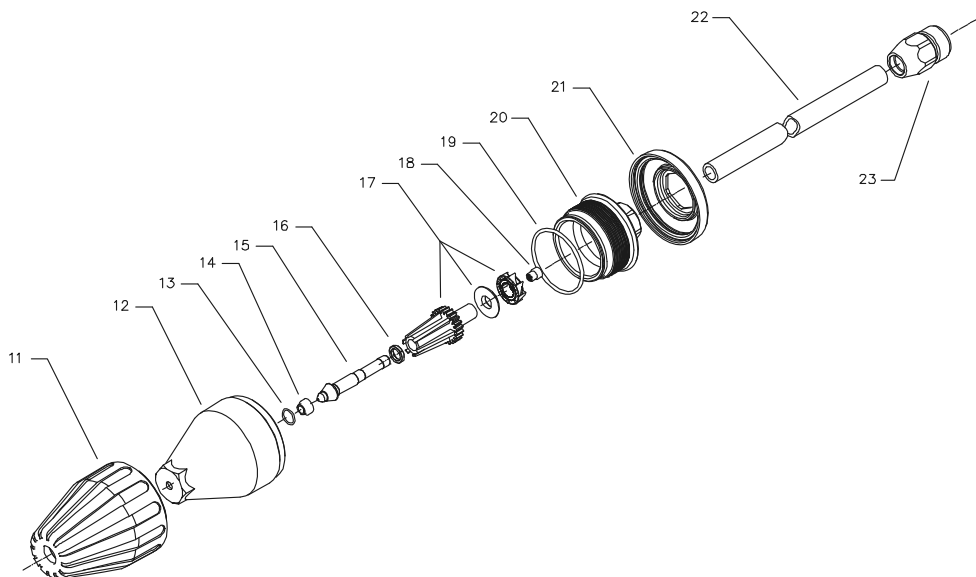
No.	Description	Qty.	Ord.-No.
1	Grundteil	1	42.581
2	Druckhülse	1	42.584
4	Steuerkolben	1	42.582
5	Querbolzen	1	42.583
6	Druckfeder 2,0 x 9,5 x 70	1	42.587
7	Gewindestift M4 x 6 DIN 913-A2	1	42.592
8	Parbaks 7 mm	1	15.013
9	Bowdenzug	1	42.586
10	Unterlegscheibe 6,4 DIN 125	1	50.189
11	Sechskantmutter 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 12l	1	44.092
16	Drosselscheibe	1	42.589
17	Gewindestift M 6 x 12 DIN915	1	42.590
18	Klemmbolzen	1	42.591

No.	Description	Qty.	Ord.-No.
1	Ventilkörper mit Handgriff	1	12.294
2	Schutzhülse	1	12.295
3	Abdeckschutz	1	12.296
4	Abzugshebel grau	1	12.298 3
5	Sicherungshebel	1	12.149
6	Abschlusssschraube M 16 x 1	1	12.247
7	Stopfen	1	12.287
8	Gewindeführungshülse 3mm R1/4" AG	1	12.250 1
9	Aufsteuerbolzen abgesetzt 3mm	1	12.284 1
10	Stift	1	12.148
11	Lagemadel	1	12.253
12	Edelstahlfeder	1	12.246
13	Edelstahlkugel	1	12.245
14	Edelstahlsitz	1	14.118
15	O-Ring 11 x 1,44	1	12.256
16	O-Ring 2,84 x 2,62	1	12.136 1
17	Blechschrabe 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
26	Gleitbüchse 3mm	1	12.289 1

12.320 2

12,299

Turbokiller



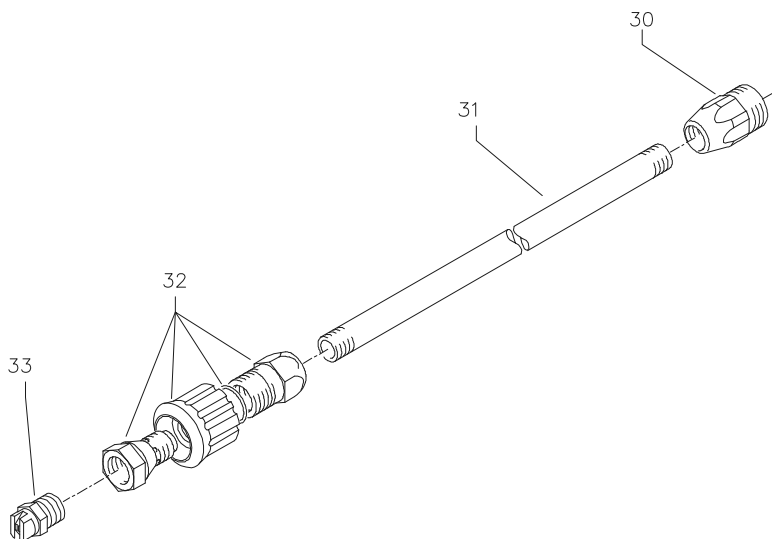
Spare parts list Profi-Jet D 16/220 Turbokiller 055

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 D 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 Reguliererring	1	13.201 2
33	Flat spray nozzle 2505	1	26.001

Please specify size of nozzle

Inspirection 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

Result of inspection:	Date of inspection:	Faults rectified, Stamp and signature
<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"/>

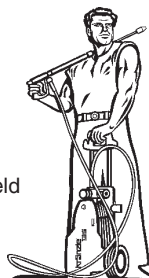
Excerpt from the Guidelines for Liquid Spray Equipment (ZH 1/46) by the Central Office of the Professional Trade Association.

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:

(techn. documentation available from):

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

Sound power level

measured:
guaranteed:

Applied conformity evaluation procedures

Applied specifications and
standards:

Kränzle D16/220

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

**Machine guideline 2006/42/
EECSpecification for electromagnetic
compatibility 2004/108/EEC
Outdoor noise directive 2005/88/EC,**
Art. 13, High-pressure water jet machines
Appendix 3, part B, chapter 27

100 dB (A)
103 dB (A)

annex V, noise directive 2005/88/EC

EN 60 335-2-79 :2009
EN 55 014-1 :2006
EN 61 000-3-2 :2006
EN 61 000-3-3 :2008

Bielefeld, den 21.12.09

Droitsch
(Managing Director)

