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Technical data

Technical data	quadro 800 TST	quadro 1000 TST	quadro 1200 TST	quadro 1000 TS	quadro 1200 TS
Operating pressure, steplessly adjustable	30 - 250 bar	30 - 220 bar	30 - 180 bar	30 - 220 bar	30 - 180 bar
Perm. overpressure Water output $(*1)$	270 bar	250 bar	200 bar	250 bar	200 bar
at 0 bar at nominal pressure	15 l/min 13,5 l/min	17,5 l/min 15,6 l/min	21 I/min 19 I/min	17,5 l/min 15,6 l/min	21 l/min 19 l/min
Nozzle size (Flat jet) (Turbokiller)	2504 04	2505 055	2507 08	2505	2507
Volume Water tank	16 I				
Max. inlet water tempera- ture to water tank Direct suction height	max. 60 °C 2,5 m				
Hose drum	yes	yes	yes	no	no
High pressure hose	20 m	20 m	20 m	10 m	10 m
Electrical ratings	400 V/50 Hz 12 A				
Motor speed adjustm.	1400 U/min				
Connect. wattage inp. output.	P1: 7,5 kW P2: 5,5 kW				
Weight (incl. accessories with empty water tank	89 kg	89 kg	89 kg	82 kg	82 kg
Dimensions including handle L x W x H in mm	770 x 570 x 990				
Sound level acc. to 45 635 (rel. to working place)	89 dB (A)				
with Turbokiller Guaranteed sound	91 dB (A)				
level LWA	91 dB (A)				
Vibrations at lance	2,2 m/s²				
Recoil at lance	ap. 20 N	ap. 20 N	ap. 22 N	ap. 20 N	ap. 22 N
Order n°.	40.423	40.421	40.422	40.421 1	40.422 1

(*1) Min. water quantity to be supplied to the high pressure cleaner! (2-8 bar admission pressure)

Dear customer

We would like to congratulate you on your new high pressure cleaner with integrated water tank 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, which we ask you to read before using for the first time.

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

- facades - flagstones - terraces	 vehicles of all types containers machines etc. 	
<u>Contents</u>		Side
Tec	hnical data	2
Cor	nstruction and components	4
Wa	ter system	5
Det	ergent / caring system	5
Lan	nce and spay gun	5
Hig	h pressure hose and spray device	e6
Unl	oader valve - safety valve	6
Del	ayed motor cut-out	7
Saf	ety cut-out	7
Set	ting up / Location	7
Ele	ctrical connection	8
Bra	ke	9
Brie	ef operating instructions	9
This	s is what you've purchased	10
Hov	w to assemble and furnish your Hl	P cleaner11
	paration for use	
Exte	ernal suction	13
Wh	en using detergents	14
To s	shut down the pump / Frost protec	ction14
Saf	ety notes "This is prohibited !"	15
Ado	ditional accessories	
Sm	all repairs	20
Spa	are parts lists	
Ger	neral rules	
Insp	pection report	40
Dec	claration of conformity	43
		3



Construction

The KRÄNZLE quadro 800 TST, 1000 TST and 1200 TST TST high pressure cleaners are mobile machines with hose drum and 20m industrial hose. The KRÄNZLE quadro 1000 TS und 1200 TS - high pressure cleaners are mobile machines without hose drum, however with 10m industrial hose. The schematic principle can be seen from the illustration.

Components

- 1 Water inlet connection with filter
- 2 Cover for water tank
- 3 High pressure pump
- 4 Press. gauge with glycerin filling
- 5 Unloader valve safety valve
- 6 Detergent valve
- 7 High pressure hose
- 8 Spray gun
- 9 Interchangeable lance with Turbokiller
- 10 Interchangeable lance with flat jet nozzle and nozzle protection

Water system

The water must be lead to the high pressure cleaner under pressure (2 - 8 bar ad-mission pressure). A float valve regulates the water inlet. Then, the water is sucked by the high pressure pump from the water tank and supplied to the lance under the set pressure. The high pressure jet is formed by the nozzle at the end of the lance.

Detergent and caring system

The high pressure pump can also suck a detergent/caring agent and mix it with the high pressure jet. The additive is sucked through the pump and brought in with the set pressure. Insert the detergent hose into the detergent container and open the detergent valve (6). The detergent discharges with the water at the high pressure nozzle.





Open the dosing valve, if the chemistry sieve is placed in a liquid. Sucked air leads to destruction of the pump seals!!! The rules concerning the environment, refuse and ground water protection must be complied with!

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 and the manometer must show 0 bar.

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 reduced pressure. When the spray gun is opened, the unloader valve - safety valve closes and the pump ressumes 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.



High pressure hose and spraying 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.



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 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.



Delayed motor cut-out



Frequent, work-necessitated switching on and off of motors on \mathcal{Q} machines of this size puts a heavy load on the power network and causes increased wear on internal electrical parts. Therefore the

motor of the new KRANZLE device only switches off 30 seconds after closing the gun and then goes to stand still. By opening the gun, the device is started again.

Safety cut-out

If the device is accidentally not turned off after use or the pistol is not used for 20 minutes, the device automatically goes into the safety state via deactivating. By operating the main switch again, the device is activated again.



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

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. The device must not stand in the spray area of the high pressure jet.

CAUTION !



Never suck in 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 60° C raised temperatures occur. Do not touch the machine without safety gloves!





Electrical connection

The machine is supplied with an electrical power cord with plug.

The mains plug must be fitted to a standard grounded socket with a **30mA** residual current operated device. The socket must be protected with a **16A delay** action fuse on the mains side.

KRÄNZLE quadro = 400 Volt / 50 Hz (phase-sequence not significant)

When using an extension cable, this must have a grounded 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.







Brake applied

Brake not applied

Brief operating instructions

- 1. Connect high pressure hose with spray gun.
- 2. Connect to suitable water supply.
- 3. Connect current (400 Volt three-phase current)
- 4. Switch on machine and start cleaning.
- 5. After having completed the cleaning process, put main switch in zero position and by opening the gun, reduce the pressure in the high pressure hose.

Then, the high pressure hose can be rolled up

- Only use clean water ! Protect from frost !

CAUTION !

Please pay attention to the regulations of your waterworks company.

Because of the water tank, the device can be connected to any drinking water line without worries.



This is what you've purchased:





- 1. Turbokiller Lance with nozzle protection and high pressure nozzle Flat jet 25°
- 2. Spray gun Starlet with insulated grip an screw connection
- 3. KRÄNZLE High pressure cleaners quadro 800 TST, 1000 TST and quadro 1200 TST with hose drum quadro 1000 TS and quadro 1200 TS without hose drum



How to assemble and furnish your high pressure cleaner



Remove the screw from the drive shaft of the hose drum. Unpack the crank and insert it onto the hexagon head. Tighten the crank again with the screw.

To check the oil level, loosen the oil cover screw and take out the oil dip stick. The oil level must be between the two markings.







Preparation for use

5. The machine must be connected to the water line with cold water or up to 60° C warm water (see page 2).

The hose cross section must be at least 3/4" = 16 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 60° C raised temperatures occur. **Do not touch the pump without safety gloves!**

External suction





If water is to be sucked from an external container for the high pressure cleaner, the connection hose between the high pressure pump and the water tank must be screwed off and the suction hose must be connected directly to the pump.

Make sure that the water is clean. Use the Kränzle suction hose with suction filter. (Order N°. 15.038 3)

Maximum suction height 2.5 m, maximum water temperature for direct suction: 60°C (see technical data on page 2)



To shut down the pump

When using detergents:

Put chemistry sieve number 5 into the detergent container. Open the detergent valve, then the detergent is sucked in. When closing the detergent valve, the chemistry supply is automatically closed. Allow detergent to act and then wash off. (see page 5).





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

To shut down the pump:

- 1. Switch off the machine. Device switch to "0" position.
- 2. Cut off the water supply.
- 3. Open the spray gun briefly until the pressure is released.
- 4. Apply the safety catch on the spray gun.
- 5. Remove the water hose and spray gun.
- 6. Pull the plug from the socket.
- 7. Winter: store the pump in rooms above 0°C.
- 8. Clean the water filter.



Safety notes

Frost protection

Normally after operation, there is still some water in the device. Thus, you must take special measures to protect the device from frost.

- Completely drain the device

For this purpose, separate the device from the water supply. Then, turn on the main switch and open the gun. Now, the pump presses the remaining water from the water tank and the pump. However, do not allow the device to operate without water for longer than one minute.

- Fill the device with antifreeze agent

If the device is not operated for longer periods, especially over the winter, you should pump an antifreeze agent through the device. For this purpose, fill the anti freeze agent into the water box and turn on the device. Wait with opened gun, until the agent comes from the nozzle.





This is prohibited !



Never direct the water jet at people or animals !



Do not damage the power cord or repair it incorrectly !



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



Additional accessories for ... (on demand)





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

... further combination possibilities



Car cleaning, glass, caravan, boat etc.: rotary washing brush with 40 cm extension and ST 30 nipple M22 x 1.5



Cleaning pipes, channels and drains: pipe cleaning hose with KN nozzle and ST 30 nipple M22 $\,$ x 1.5 $\,$



Cleaning cars and all smooth surfaces: brush with ST 30 nipple M22 $\,$ x 1.5 $\,$



Rotary point sprayer for extreme soiling: Turbokiller with 40 cm extension and ST 30 nipple M22 x 1.5







do it yourself !

Nozzle dirty or sticky!

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



Complete Assembly



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Gummipuffer 25 x 25 4 44.017 41.1 Rad 4 44.017 41.2 Splint 5x28 DIN94 4 44.017 41.2 Splint 5x28 DIN94 4 44.017 41.2 Frontplatte quadro 800 TST 1 42.609 43 Frontplatte quadro 1000 TST 1 42.609 43 Frontplatte quadro 1200 TST 1 42.609 44 Icontplatte quadro 1200 TST 1 42.609 44 Icontplatte quadro 1200 TST 1 42.609 45 Blechschraube 3,5x16 DIN7981 4 44.161 46 Radroste and ro 1 42.600 46 Radroste and ro 1 44.161 47	14	Kabelaufwicklung oben	-	42.612	40	Starlett -Pistole mit Verlängerung	-	12.320 2
Rad 4 44.017 41.2 7 Splint 5x28 DIN94 4 4.017 41.2 7 Splint 5x28 DIN94 4 4.017 41.3 7 Radkappe 4 4.018 42 1 Frontplatte quadro 800 TST 1 42.609 43 0 Frontplatte quadro 1000 TST 1 42.609 44 1 Frontplatte quadro 1200 TST 1 42.609 45 9 Erontplatte quadro 1200 TST 1 42.609 45 9 Encomplatte quadro 1200 TST 1 42.609 46 9 Blechschraube 3,5x16 DIN7981 4 44.161 47 1 Fahrgestell 1 42.602 48 40 40 40	15	Gummipuffer 25 x 25	4	44.227	41.1	Turbo-Killer 04 bei quadro 800 TST	-	41.072
Splint 5x28 DIN94 4 42.614 41.3 7 Radkappe 4 44.018 42 1 Frontplatte quadro 800 TST 1 42.609 1 43 0 Frontplatte quadro 1000 TST 1 42.609 1 43 0 Frontplatte quadro 1000 TST 1 42.609 2 44 1 Frontplatte quadro 1200 TST 1 42.609 3 45 5 Erontplatte quadro 1200 TST 1 42.609 3 45 5 Blechschraube 3,5x16 DIN7981 2 42.609 3 45 44.161 47 1 Fahrgestell 3 45.600 3 45 44.161 47 1 Schnish & A INN071 1 42.602 48 47.40 46 46	16	Rad	4	44.017	41.2	Turbo-Killer 05 bei quadro 1000 TST	-	41.580-05
Radkappe 4 44.018 42 1 Frontplatte quadro 800 TST 1 42.609 1 43 6 Frontplatte quadro 1000 TST 1 42.609 1 43 6 Frontplatte quadro 1000 TST 1 42.609 2 44 7 Frontplatte quadro 1200 TST 1 42.609 3 45 5 Erontplatte quadro 1200 TST 1 42.609 3 45 5 Blechschraube 3,5x16 DIN7981 4 44.161 47 1 Fahrgestell 1 42.602 48 7 1	17	Splint 5x28 DIN94	4	42.614	41.3	Turbo-Killer 07 bei quadro 1200 TST	-	41.072 7
Frontplatte quadro 800 TST 1 42.609 1 43 6 Frontplatte quadro 1000 TST 1 42.609 2 44 7 Frontplatte quadro 1200 TST 1 42.609 3 45 5 Lanzenhalter 2 42.609 3 45 5 Blechschraube 3,5x16 DIN7981 4 44.161 47 1 Fahrgestell 1 42.602 48 6 6	18	Radkappe	4	44.018	42	Hochdruckschlauch 20 m NW8	-	41.083
Frontplatte quadro 1000 TST 1 42.609 2 44 V Frontplatte quadro 1200 TST 1 42.609 3 45 5 Lanzenhalter 2 42.609 3 45 5 Blechschraube 3,5x16 DIN7981 4 44.161 47 1 Fahrgestell 1 42.602 48 6	19.1	Frontplatte quadro 800 TST	-	42.609 1	43	O-Ring 13 x 2,6	2	13.272
Frontplatte quadro 1200 TST 1 42.609 3 45 5 Lanzenhalter 2 42.610 46 0 Blechschraube 3,5x16 DIN7981 4 44.161 47 1 Fahrgestell 1 42.602 48 0 Schains & A Dinoro1 4 44.161 47 1	19.2	Frontplatte quadro 1000 TST	-	42.609 2	44	Verbindungsschlauch mit Winkel	-	42.625 1
Lanzenhalter 2 42.610 46 6 Blechschraube 3,5x16 DIN7981 4 44.161 47 1 Fahrgestell 1 42.602 48 6 Scheibe 8.4 DIN9024 4 41.400 40 40	19.3	Frontplatte quadro 1200 TST	-	42.609 3	45	Scheibe 8mm für Rad	4	44.246
Blechschraube 3,5x16 DIN7981 4 44.161 47 1 Fahrgestell 1 42.602 48 0 Scheibe 8 4 DIN9024 4 41.400 40 1	20	Lanzenhalter	0	42.610	46	Gewindestift M6x55	4	42.617 2
Fahrgestell 1 42.602 48 0 Scheihe 8 4 DIN0021 4 41.400 49 1	21	Blechschraube 3,5x16 DIN7981	4	44.161	47	Rückschlagventil für Chemiesaugschl.	-	44.240
Scheihe 8 4 DING021 4 41 400 40 1	22	Fahrgestell	-	42.602	48	Chemieventil Kpl. Pos. 30-37	-	44.052
	23	Scheibe 8,4 DIN9021	4	41.409	49	Wasserfilter	-	42.633

quadro 800 TST - 1200 TST

Brake



Spare parts list KRÄNZLE quadro 800 TST - 1200 TS Brake

No	Description	Qty.	OrdNo
1	Grundplatte	1	42.615
2	Bremspedal	1	44.022
3	Bremshebel	1	44.023
4	Bremsklotz	1	44.024
5	Stift 6 x 50	1	44.035
6	Starlock-kappe 8 mm	1	44.165
7	Stift 6 x 40	1	44.035 1
8	Distanzring	2	42.626
9	Sechskantschraube M6x16	3	50.173
10	Unterlegscheibe DIN125-6,3	3	50.189

Water inlet



Spare parts list KRÄNZLE quadro 800 TST - 1200 TS Water inlet

No	Description	Qty.	OrdNo
1	Mutter R3/4"	1	46.258
2	Revisionsdeckel	1	42.605
3	Sterngriffmutter M6	4	42.619
6	Dichtung für Schwimmerventil	1	46.261
7	Schwimmerventil	1	46.250
8	Gewindestift M6x40	4	42.617 1
9	Einströmschlauch	1	42.640
15	Verbindungsschlauch	1	42.625 1
16	O-Ring 15 x 1,5	1	12.256
16.1	O-Ring 13 x 2,6	1	13.272
17	Wasserfilter	1	42.633



quadro 800 TST - 1200 TS

Spare parts list KRÄNZLE quadro 800 TST - 1200 TS Pump motor

No	Description	Qty.	OrdNo
1	Stator 112 5,5kW 400V / 50Hz	1	40.540
2	A-Lager Flansch	1	40.530
3	Rotor 112 (400V / 50Hz)	1	40.531 5
4	Lüfterrad für BG 112	1	40.532
5	Lüfterhaube BG 112	1	40.533
6	V-Seal	1	40.545
7	Flachdichtung	1	43.030
10	Kegelrollenlager 31306	1	40.103
11	Öldichtung 35 x 47 x 7	1	40.080
12	Passfeder 8 x 7 x 28	1	40.459
13	Kugellager 6206 - 2Z	1	40.538
14	Innensechskantschraube M 6 x 30	4	43.037
19	Schraube M 4 x 12	4	41.489
20	Schelle für Lüfterrad 112	2	40.535
21	Schraube M 4 x 12	4	41.489
22	Erdungsschraube kpl.	1	43.038
23	Schalter mit Drucktasten	1	42.644
24	Kunststoffschraube 4,0 x 16	6	43.417
25	Bock für Schalter	1	42.608
26	Kunststoffschraube 5,0 x 25	6	41.414
28	Kunststoffschraube 3,5 x 20	2	43.415
29	Lüsterklemme 5-pol.	1	43.326 1
30	Schütz 100-C12KN10 3x400V 50/60 Hz	1	46.005 1
31	Schaltkasten Unterteil	1	42.606
32	Schaltkasten Deckel	1	42.607
33	Steuerplatine Abschaltverz. 400V / 50Hz	1	42.563
34	Klemmrahmen mit Schalterabdichtung	1	43.453
36	Blechschraube 3,5 x 16	2	44.161
37	PG 16-Verschraubung	1	41.419 1
38	Dichtung für Schaltkastendeckel	1	42.607 1
39	Gegenmutter für PG9-Verschraubung	1	41.087 1
40	Gegenmutter für PG16-Verschraubung	1	44.119
41	PG 9 - Verschraubung	1	43.034
42	Überstromauslöser 3-polig 11,3-16A	1	42.641
50	Motor compl. without switch	1	24.060
51	Schaltkasten kpl. Pos. 23 - 42		42.631

Transmission unit



quadro 800 TST - 1200 TST

Spare parts list KRÄNZLE quadro 800 TST - 1200 TST Pump transmission unit for AQ-Pump

No	Description	Qty.	OrdNo
1	Ölgehäuse	1	40.501
4	Innensechskantschraube M 8 x 30	6	41.036 1
5	Sicherungsscheibe	6	40.054
6	Flachdichtung	1	40.511
7	Öldichtung 20 x 30 x 7	3	40.044 1
9	Axial-Zylinderrollenlager AQ-Pumpe	1	40.524
11.1	Taumelscheibe AQ 9,5° bei quadro 800 TST	1	40.523-9,5
11.2	Taumelscheibe AQ 10,8° bei quadro 1000 TST + 1000 TS	1	40.523-10,8
11.3	Taumelscheibe AQ 12,75° bei quadro 1200 TST + 1200 TS	1	40.523-12,75
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 flach für Ölgehäuse	1	41.023 1
20	Innensechskantschraube M 5 x 12	4	41.019 4
21	Ölmessstab AQ	1	42.623
22	Stützscheibe für Plungerfeder	3	40.513
23	O-Ring 13,94 x 2,62	1	42.167
24	Ölablassstopfen R 3/8"	1	42.019
	Ölgehäuse AQ kpl. ohne Taumelsche	ibe	40.514

Pos. 1, 4-7, 12-17, 22



٩	Description	Qty.	OrdNo	٩	Description	aty.	OrdNo
10	O-Ring 16 x 2	Ł	13.150	55	Stützscheibe	2	15.015 1
5.1	O-Ring 13,94 x 2,62	-	42.167	56	Edelstahlfeder	-	15.016
m	O-Ring 11 x 1,44	-	12.256	57	Steuerstößel	-	15.010 2
6	Edelstahlsitz	-	14.118	58	Parbaks 7 mm	-	15.013
10	Sicherungsring	-	13.147	59	Stopfen M 10 x 1 (durchgebohrt)	-	13.385 1
Ŧ	Edelstahlkugel	-	13.148	60	Gehäuse Elektroschalter	-	15.007
12	Edelstahlfeder	-	14.119	61	Gummimanschette PG 9	-	15.020
13	Verschlussschraube	-	14.113	62	Scheibe PG 9	-	15.021
4	Steuerkolben	-	14.134	63	Verschraubung PG 9	-	15.022
15	Parbaks 16 mm	-	13.159	64	PVC-Kabel 2x 1,0 mm ²	-	42.505
16	Parbaks 8 mm	-	14.123	65	Blechschraube 2,8 x 16	9	15.024
17	Spanstift	-	14.148	99	Deckel Elektroschalter	-	15.008
18	Kolbenführung spezial	-	42.105	67	O-Ring 44 x 2,5	-	15.023
19	Kontermutter M 8 x 1	2	14.144	68	Mikroschalter	-	44.262
20	Ventilfeder rot bei quadro 800	-	14.125 1	69	Zylinderschraube M 4 x 20	2	15.025
20.1	Ventilfeder schwarz	-	14.125	70	Sechskant - Mutter M 4	2	15.026
	bei quadro 1000 und 1200			72	Druckfeder 1 x 8,6 x 30	-	40.520
2	Federdruckscheibe	-	14.126				
22	Nadellager	-	14.146		Kepair Kits:		
33	Handrad	-	14.147				
25	Elastic-Stop-Mutter M 8 x 1	-	14.152		Kepair kit		15.009 3
20	Manometer 0-400 Bar	-	15.039 4				
27	Aluminium-Dichtring	0	13.275		1X POS. 51, 1X POS. 52, 1X POS. 53,		
00	O-Ring 3,3 x 2,4	-	12.136				
5	Führungsteil Steuerstößel	-	15.009 1		1X POS. 57, 1X POS. 58, 1X POS. 59		
22	0-Rina 13 x 2.6	-	15.017			i	
53	O-Ring 14 x 2	-	43.445		Pressure switch compl. No. 54 - 70	- 70	41.300 5
;							

quadro 800 TST - 1200 TST



1 Ventilgehause AQ mit integr. UL und 1 40.503 5 33. Ausgangsteil 2 O-Ring 21 x 2 0-Ring 21 x 2 6 40.016 33.1 Ausgangsteil 4 0-Ring 21 x 2 6 40.016 33.1 Ausgangsteil Murckschalter 5 Ventilstopfen 6 42.025 34 Edeistahkugel Ø10 20.016 5 Ventilstopfen 5 42.025 34 Edeistahkugel Ø10 20.780 5 Ventilstopfen 5 42.026 35 Ruckschlagfeder "K" 6 Sicherungsring Nassereingang R3/8* AG 40.032 37 Postsi 7 Innensechskantschraube N12×45 40.032 37 Postsi 37 7 Innensechskantschraube N12×45 40.032 37 Postsi 37 Postsi 37 96.13.3 10 Chemiseaugschauce 1 42.633 37 Postsi 37 96.13.3 37 96.13.3 37 96.13.3 37 96.13.3 37 96.13.3 37 96.13.3 96.13.3 <th>Ŷ</th> <th>Description</th> <th>Qty.</th> <th>OrdNo</th> <th>Ŷ</th> <th>Description</th> <th>aty.</th> <th>OrdNo</th>	Ŷ	Description	Qty.	OrdNo	Ŷ	Description	aty.	OrdNo
2 O-Ring 18 x 2 -0.1016 33.1 3 Tindis-/Auslafs-Ventil 6 40.016 33.1 4 O-Ring 18 x 2 6 40.016 33.1 5 C-Ring 18 x 2 6 42.026 35 5 Ventilistopfen mit R 1/4" IG 6 42.026 35 6 Sicherungsring 6 42.026 37 7 Innensechskantschnaube M 12 x 45 4 40.032 37 8 Sichauchnopelle 7 · 10 Themsechelk 7 · 10 44.054 40.0025 11 Winkel 12L x 12L 14.054 40.025 37 13 Gewebmanschette 3 40.509 40.509 17 Unikel 12L x 12L 14.057 40.502 37.52 14 Backing 20 mm $31.42.568$ 40.502 37.52 17 Cu-Dichtring 21 x 28 x 1,5 3 40.502 32.275 18 O-Ring 31.42 x 2.62 3 40.502 32.275 19 Verschlusschraube R 1/2" 3 40.502 32.275 <	-	Ventilgehäuse AQ mit integr. UL und	Ł	40.503 5	33	Ausgangsteil	~	40.522
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		Druckschalter				für quadro 800, 1000, 1200 TST		
3 Einlaß- / Auslaß- Ventil 6 42.025 34 5 Ventilstopfen mit R 1/4" IG 5 42.025 35 6 Ventilstopfen mit R 1/4" IG 5 42.026 35 7 Ventilstopfen mit R 1/4" IG 1 42.026 37 7 Innensechskantschraube M 12 x 45 4 40.032 30 8 Schlauchnippel R3/8" x 6 1 42.054 40 9 Schlauchnippel R3/8" x 6 1 42.634 40 10 Cheniseaugeschaube M 12 x 45 1 40.644 40 11 Winkel 12L x 12L 1 42.634 40 40 13 Gewebemanschette 3 40.508 40 56 14 Backring 20 mm 6 40.025 3 40.508 16 O-Ring 31,42 x 2,62 3 40.508 40.508 17 Cu-Dichtring 21 x 28 x 1,5 3 40.508 40.508 18 Gummimanschette 7 1 42.633 40.516 18 Cu-Dichtring 21 x 28 x 1,5 2	2	O-Ring 18 x 2	9	40.016	33.1	Ausgangsteil M22x1,5	-	40.522 1
4 O-Ring 21 x 2 6 42.025 34 5.1 Ventilistopfen mit R 1/4" IG 5 42.026 35 6 Ventilistopfen mit R 1/4" IG 5 42.026 35 7 Innensechskantschraube M 12 x 45 4 40.504 40 8 Schlauchnippel R3/8" x 6 7 40.504 40 9 Schlauchnippel R3/8" x 6 7 40.564 40.564 10 Chemiesaugschlauch mit Filter 1 42.631 40.564 11 Winkel 12. x 12L 1 42.633 40.053 13 Gewebmanschette 6 40.025 37 14 Gewebmanschette 6 40.025 37 15 O-Ring 31,42 x 2,62 3 40.509 40.512 16 Leckagering 20 mm 3 40.512 40.512 17 Cu-Dichtring 21 x 28 x 1,5 3 40.505 3 40.505 17 Cu-Dichtring 21 x 28 x 1,5 S 40.507 3 40.507	ო	Einlaß- / Auslaß- Ventil	9	42.024		für quadro 1000, 1200 TS		
5 Ventlistopfen 5 42.026 35 6 5.1 Ventlistopfen 7 40.032 37 7 Nensechskantschraube M 12 x 45 4 40.032 37 8 Schlauchnippel R3/8" x 6 1 42.056 37 40 9 Schlauchnippel R3/8" x 6 1 42.054 40 10 Chemiesaugschlauch mit Filter 1 42.633 40 11 Winkel 12L x 12L 1 42.633 40.023 13 Gewebemanschette 5 40.023 40.023 14 O-Ring 31,42 x 2,62 3 40.023 40.509 17 Gu-blichtring 20 mm 6 40.023 40.509 17 Gu-Dlichtring 21 x 28 x 1,5 3 40.503 40.503 17 Gu-Dlichtring 21 x 28 x 1,5 3 40.503 40.503 18 Gummimanschette 7 3 40.503 19 Verschlusschraube R 1/2" 3 40.512 22 21 Aluminum-Dichtring 20 mm 3 40.506 25	4	O-Ring 21 x 2	9	42.025	34	Edelstahlkugel Ø10	,	12.122
5.1 Ventlistopfen mit R 1/4" IG 1 42.026 2 37 7 Innensechskantschmaube M 12 x 45 4 40.032 37 8 Sicherungsring 4 40.032 37 9 Schlauchnippel R 3/8" x 6 1 42.634 40 10 Chemiesaugschlauch mit Filter 1 42.634 40 11 Winkel 12L x 12L 1 42.630 40 13 Gewebemanschette 3 40.025 40 14 Derking 20 mm 3 40.508 40.503 17 Cu-Dichtring 21.42.2,62 3 40.503 40.503 17 Cu-Dichtring 21.42.2,62 3 40.503 40.503 17 Cu-Dichtring 21.42.2,87.1,5 3 40.507 3 40.507 18 Cumminanschette 3 40.503 3 40.507 3 40.503 18 Cumminanschette 3 40.502 3 40.503 5 19 Verschlussschraube R 1/2" 3 40.507 3 40.507 3 20.516 5 </td <td>2</td> <td>Ventilstopfen</td> <td>2</td> <td>42.026</td> <td>35</td> <td>Riickschlanfeder K"</td> <td>· ~</td> <td>14 120 1</td>	2	Ventilstopfen	2	42.026	35	Riickschlanfeder K"	· ~	14 120 1
6 Sicherungsring 4 4.0.032 40 7 Innensechskantschraube M 12 x 45 4 4.0.032 40 8 Schlauchnippel R3/8" x 6 1 4.2.634 40 9 Schlauchnippel R3/8" x 6 1 4.2.634 40 10 Chemiesaugsschlauch mit Filter 1 4.2.631 40.023 11 Winkel 12L x 12L 1 4.2.631 40.023 13 Gewebemanschette 3 40.025 40.023 14 Backring 20 mm 3 40.508 40.508 17 Cu-Dichtring 21 x 28 x 1,5 3 40.508 40.507 17 Cu-Dichtring 21 x 28 x 1,5 3 40.507 3 40.507 18 Gummimanschette 3 40.507 3 40.507 19 Verschlussschraube R 1/2" 3 40.506 13.275 20 Distanzing mit Abstruzung 3 40.507 3 40.507 21 O-Ring 20 mm 3 40.507	5.1	Ventilstopfen mit R 1/4" IG	-	42.026 2	37			43 446
7 Innensechskantschraube M 12 x 45 4 40.504 70 9 Schlauchnippel R3/8" x 6 1 42.634 40.54 10 Chenissaugschlauch mit Filter 1 42.634 40.54 11 Winkel 12L x 12L 1 42.634 40.023 13 Gewebemanschette 1 42.633 40.025 14 Backring 20 mm 6 40.025 40.025 15 O-Ring 31,42 x 2,62 3 40.508 40.508 16 Leckagering 21 x 28 x 1,5 3 40.503 40.512 17 Cu-Dichtring 21 x 28 x 1,5 3 40.512 40.512 18 Gummimanschette 3 40.512 3 40.512 18 Gummimanschette 3 40.512 3 40.512 19 Verschlussschraube R 1/2" 3 40.512 3 40.516 20 Distanzring mit Abstützung 3 40.516 3 40.516 21 Aluminim-Distanting 20 mm <t< td=""><td>9</td><td>Sicherungsring</td><td>4</td><td>40.032</td><td>50</td><td></td><td></td><td>1010</td></t<>	9	Sicherungsring	4	40.032	50			1010
8 Schlauchnippel R3/8" x 6 1 42.634 9 Schlauchschelle 7 - 10 1 44.054 10 Ofmeissaugschlauch mit Filter 1 42.621 11 Winkel 12. x 12L 1 42.630 13 Gewebmanschette 6 40.023 14 Gewebmanschette 6 40.023 15 O-Ring 31,42 x 2,62 3 40.509 17 O-Ring 20 mm 6 40.023 16 Leckagering 20 x 36 x 1,5 3 40.509 17 Ou-Dichtring 21 x 28 x 1,5 3 40.501 18 Gummimanschette 6 40.023 19 Verschlussschube R 1/2" 2 42.033 20 Distanzring mit Abstützung 3 40.516 21 Aluminium-Dichtring bei quadro TS 13.281 2 22 Verschlussschopfen bei quadro TS 13.275 2 23 Druckring 20 mm 3 40.516 25 Verschlusstopfen bei quadro TS 13.147 <td>7</td> <td>Innensechskantschraube M 12 x 45</td> <td>4</td> <td>40.504</td> <td>01</td> <td>Wasserenngang Rolo AG</td> <td>_</td> <td>41.010</td>	7	Innensechskantschraube M 12 x 45	4	40.504	0 1	Wasserenngang Rolo AG	_	41.010
9 Schlauchschelle 7 - 10 1 44.054 10 Chemiesaugschlauch mit Filter 1 42.621 11 Winkel 12L x 12L 1 42.630 13 Gewebemanschette 3 40.023 14 Do-Ring 31,42 x 2,62 3 40.025 15 G-Ring 31,42 x 2,62 3 40.508 16 Leckagering 20 x 36 x 1,5 3 40.509 17 Cu-Dichtring 21 x 28 x 1,5 3 40.503 18 Gumminanschette 3 40.503 19 Verschlusschraube R 1/2" 3 40.512 19 Verschlussschraube R 1/2" 3 40.516 21 Aluminium-Dichtring bei quadro TS 13.181 275 22 Verschlussstopfen bei quadro TS 13.275 213.275 23 Druckring 20 mm 3 40.616 24 Orsita 3 40.616 25 Verschlussetopfen bei quadro TS 13.147 26 Stochenring 20 mm 3 40.616 </td <td>œ</td> <td>Schlauchnippel R3/8" x 6</td> <td>-</td> <td>42.634</td> <td></td> <td>Repair kits:</td> <td></td> <td></td>	œ	Schlauchnippel R3/8" x 6	-	42.634		Repair kits:		
10 Chemiesaugschlauch mit Filter 1 42.621 11 Winkel 12L x 12L 1 42.630 13 Gewebermanschette 3 40.025 15 O-Ring 31.42 x 2.62 3 40.025 16 Leckagering 20 mm 6 40.025 17 Cu-Dichtring 21.42 x 2.62 3 40.508 17 Cu-Dichtring 21.x 28 x 1,5 3 40.512 19 Verschlussschraube R 1/2" 3 40.512 19 Verschlussschraube R 1/2" 3 40.572 20 Muminum-Dichtring bei quadro TS 3 40.512 21 Aluminum-Dichtring bei quadro TS 3 40.516 22 Verschlussstopfen bei quadro TS 3 40.516 23 Druckring 20 mm 3 40.671 13.181 25 Edelstahlist ØT 1 14.718 256 26 Edelstahlist ØT 1 14.148 2556 27 Sprengring 1 1 14.178 28 Ausgangsteil Pumpe R 1/4" x 12 1 1 14.215 <td>6</td> <td>Schlauchschelle 7 - 10</td> <td>-</td> <td>44.054</td> <td></td> <td></td> <td></td> <td></td>	6	Schlauchschelle 7 - 10	-	44.054				
11 Winkel 12L x 12L 1 42.630 13 Gewebemanschette 3 40.025 15 O-Ring 31,42 x 2,62 3 40.025 16 Leckagering 12,0 mm 6 40.025 17 Cu-Dichtring 21, x 28 x 1,5 3 40.508 17 Cu-Dichtring 21, x 28 x 1,5 3 40.508 18 Gummimanschette 3 40.512 19 Verschlussschraube R 1/2" 2 42.039 20 Distanzing mit Abstützung 3 40.517 21 Aluminum-Dichtring bei quadro TS 2 40.507 22 Distanzing mit Abstützung 3 40.507 22 Verschlussstopfen bei quadro TS 2 13.275 23 Druckring 20 mm 3 40.216 25 Derting 20 mm 3 40.516 26 Edeistafitz Ø 7 1 14.148 27 Sprengring 1 13.147 28 Ausgangsteil Pumpe R1/4" x 12 1 14.215 29 Dichtropfen M8 x 1 1 14.215	10	Chemiesaugschlauch mit Filter	-	42.621		Repair kit for sleeves		40.065 1
13 Gewebemanschette 3 40.023 14 Backring 20 mm 6 40.025 15 O-Ring 31,42 x 2,62 3 40.508 16 Leckagering 20 x 36 x 13,3 3 40.508 17 Cu-Dichtring 21 x 28 x 1,5 3 40.509 18 Cu-Dichtring 21 x 28 x 1,5 3 40.512 19 Verschlusscohraube R 1/2" 2 42.032 20 Distanzing mit Abstützung 3 40.517 21 Aluminium-Dichtring bei quadro TS 2 42.032 22 Verschlussscohraube R 1/2" 3 40.516 23 Druckring 20 mm 3 40.516 24 Zwischenning 20 mm 3 40.516 25 Deriving 11 x 1,5 1 13.181 26 Edeistabitz Ø 7 1 13.147 27 Sprengring 1 13.147 28 Ausgangsteil Pumpe R1/4" x 12 1 14.215 29 Dichtring 17 x 22 x 1,5 (Kupfer) 1 14.215 29 Stopfen 3/8" 1 1 <td< td=""><td>11</td><td>Winkel 12L x 12L</td><td>-</td><td>42.630</td><td></td><td>consisting of: 3x Pos. 13; 6x Pos. 14;</td><td></td><td></td></td<>	11	Winkel 12L x 12L	-	42.630		consisting of: 3x Pos. 13; 6x Pos. 14;		
14 Backring 20 mm 6 40.025 15 O-Ring 31,42 x 2,62 3 40.508 16 Leckagering 20 x 36 x 1,5 3 40.509 17 Cu-Dichtring 21 x 28 x 1,5 3 40.509 18 Cu-Dichtring 21 x 28 x 1,5 3 40.509 19 Verschlussschatte R 1/2" 2 42.039 19 Verschlussschatte R 1/2" 2 42.032 20 Distanzring mit Abstützung 3 40.507 203 21 Aluminium-Dichtring bei quadro TS 1 13.181 23 22 Verschlussstopfen bei quadro TS 1 13.181 23 23 Druckring 20 mm 3 40.516 25 24 O-Ring 11 x 1,5 1 12.256 26 25 Edelstahlsitz Ø 7 1 13.147 27 26 O-Ring 11 x 1,5 1 13.147 28 27 Sprengring 3 40.618 30 28 Ausgangsteil Pumpe R 1/4" x 12 1 14.215 29	13	Gewebemanschette	ო	40.023		3x Pos. 15; 3x Pos. 16; 3x Pos. 18;		
15 O-Ring 31,42 x 2,62 3 40.508 16 Leckagering 20 x 36 x 13,3 3 40.509 17 Cu-Dichtring 21 x 28 x 1,5 2 40.509 18 Gummimanschette 8 1/5 2 40.509 19 Verschlusschraube R 1/2" 2 40.501 21 Aluminium-Dichtring bei quadro TS 3 40.512 22 Verschlussstopfen bei quadro TS 3 40.516 23 Druckring 20 mm 3 40.021 2256 24 O-Ring 11 x 1,5 1 13.181 2256 25 Edelstahlsitz Ø 7 1 13.147 2256 26 O-Ring 11 x 1,5 1 12.256 256 27 Sprengring 3 40.018 31.147 28 Ausgangsteil Pumpe R 1/4" x 12 1 14.118 25.66 29 Dichtring 17 x 22 x 1,5 (Kupfer) 1 40.019 30 Stopfen 3%" 1 13.147 30.43.043 27 Dichtring 17 x 22 x 1,5 (Kupfer) 1 40.019 31.47	1 4	Backring 20 mm	9	40.025		3x Pos. 20; 3x Pos. 23		
16 Leckagering 20 x 36 x 13,3 3 40.509 17 Cu-Dichtring 21 x 28 x 1,5 2 42.039 18 Cummimanschrette 3 40.512 19 Verschlusschraube R 1/2" 3 40.512 20 Distanzing mit Abstitizung 3 40.512 21 Aluminium-Dichtring bei quadro TS 2 42.032 22 Verschlussstopfen bei quadro TS 3 40.507 23 Druckring 20 mm 3 40.621 24 Zwischenning 20 mm 3 40.616 25 Gelstahistiz Ø7 1 14.7 26 Citing 11 x 1,5 1 14.7 27 Sprengring 1 14.7 28 Ausgangsteil Pumpe R 1/4" x 12 1 14.715 29 Dichtring 17 x 22 x 1,5 (Kupfer) 1 40.019 30 Stopfen 3%" 1 13.147 29 Dichtring 17 x 22 x 1,5 (Kupfer) 1 40.019 30 Stopfen 3%" 1 13.147 31 Dichtring 17 x 22 x 1,5 (Kupfer) 1 40.	15	O-Ring 31,42 x 2,62	ო	40.508				
17 Cu-Dichtring 21 x 28 x 1,5 2 42.039 18 Cummimanschette 3 40.512 19 Verschlussschraube R 1/2" 2 42.032 20 Distantig mit bestürzung 3 40.512 21 Aluminium-Dichtring bei quadro TS 2 13.275 22 Verschlussstopfen bei quadro TS 2 13.181 23 Druckring 20 mm 3 40.616 24 Zwischenring 20 mm 3 40.216 25 Derling 11 x 1,5 1 14.118 26 Edeistahlitz 07 1 14.718 27 Sprengring 1 14.718 28 Ausgangsteil Pumpe R1/4" x 12 1 40.019 29 Dichtring 17 x 22 x 1,5 (Kupfer) 1 40.019 30 Stopfen 3%" 1 13.147 31 Dichtstopfen M 8 x 1 2 13.158	16	Leckagering 20 x 36 x 13,3	ო	40.509		Repair kit for sleeves without		40.517
18 Gummimanschette 3 40.512 19 Verschlussschraube R 1/2" 2 42.032 20 Distanzing mit Abstitzung 3 40.507 21 Aluminum-Dichtring bei quadro TS 2 13.275 22 Verschlussstopfen bei quadro TS 2 13.275 23 Druckring 20 mm 3 40.021 24 Zwischenring 20 mm 3 40.516 25 O-Ring 11 x 1,5 1 14.18 26 Edeistaliz Ø 7 1 14.18 27 Sprengring 1 13.147 28 Ausgangsteil Pumpe R1/4" x 12 1 14.215 29 Dichtring 17 x 22 x 1,5 (Kupfer) 1 40.019 30 Stopfen 3%" 1 40.018 31 Dichtstopfen M 8 x 1 1 40.018	17	Cu-Dichtring 21 x 28 x 1,5	7	42.039		brass parts consisting of:		
19 Verschlussschraube R 1/2" 2 42.032 20 Distarzring mit Abstützung 3 40.507 21 Aluminium-Dichtring bei quadro TS 3 40.507 22 Verschlussstopfen bei quadro TS 3 40.507 23 Drucking 20 mm 3 40.021 24 Zwischenring 20 mm 3 40.021 25 O-Ring 11 x 1,5 1 13.147 26 Edelstahlsitz Ø 7 1 12.256 26 Edelstahlsitz Ø 7 1 14.118 27 Sprengring 1 13.147 28 Ausgangsteil Pumpe R1/4" x 12 1 13.147 29 Dichtring 17 x 22 x 1,5 (Kupfer) 1 40.019 30 Stopfen 3/8" 3 20.018 31 Dichtstopfen M 8 x 1 1 40.018	18	Gummimanschette	ო	40.512		3x Dre 13: 6x Dre 14: 3x Dre 15:		
20 Distanzring mit Abstützung 3 40.507 21 Aluminium-Dichtring bei quadro TS 13.275 23.275 22 Verschlussstopfen bei quadro TS 13.181 23.181 23 Druckring 20 mm 3 40.516 24 Zwitschenring 20 mm 3 40.616 25 O-Ring 11 x 1,5 1 12.256 26 Edelstahlsitz Ø 7 1 14.118 27 Sprengring 1 12.256 28 Ausgangsteil Pumpe R1/4" x 12 1 14.118 29 Dichtring 17 x 22 x 1,5 (Kupfer) 1 40.019 30 Stopfen 307 30 Stopfen 307 31.168 31 Dichtstopfen M 8 x 1 2 1 40.018 32 Dichtstopfen M 8 x 1 2 13.158 13.158	19	Verschlussschraube R 1/2"	2	42.032		3 V Dre 18: 3 V Dre 33		
21 Aluminium-Dichtring bei quadro TS 2 13.275 22 Verschlussstopfen bei quadro TS 3 40.021 23 Druckring 20 mm 3 40.021 24 Zwischennig 20 mm 3 40.021 25 O-Ring 11x 1,5 1 12.256 26 Edelstahlsitz Ø 7 1 12.256 27 Sprengring 1 12.256 28 Ausgangsteil Pumpe R1/4" x 12 1 13.147 29 Dichtring 17 x 22 x 1,5 (Kupfer) 1 40.019 30 Stopfen 30" 10 x 1 1 40.018 31 Dichtstopfen M 8 x 1 1 40.018 31.158	20	Distanzring mit Abstützung	ო	40.507		UN FUS. 10, UN FUS. 20		
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23 Druckring 20 mm 3 40.021 24 Zwischenring 20 mm 3 40.516 25 O-Ring 11 x 1,5 1 12.256 26 Edeistahlsitz Ø 7 1 12.256 27 Sprengring 1 12.256 28 Ausgangsteil Pumpe R1/4" x 12 1 14.118 28 Ausgangsteil Pumpe R1/4" x 12 1 44.215 29 Dichtring 17 x 22 x 1,5 (Kupfer) 1 40.019 30 Stopfen 308" 10.013 31.158 31.158 32 Dichtstopfen M 8 x 1 2 13.158 31.158	22	Verschlussstopfen bei guadro TS	-	13.181				40.062
24 Zwischenring 20 mm 3 40.516 25 O-Ring 11 x 1,5 1 12.256 26 Edelstahlsitz Ø 7 1 14.118 27 Sprengring 1 13.147 28 Ausgangsteil Pumpe R1/4" x 12 1 14.215 28 Ausgangsteil Pumpe R1/4" x 12 1 44.215 29 Dichtring 17 x 22 x 1,5 (Kupfer) 1 40.019 30 Stopfen 308" 1 40.013 31 Dichtstopfen M 10 x 1 1 43.043 32 Dichtstopfen M 8 x 1 2 13.158	23	Druckring 20 mm	ო	40.021		consisting of:		
 25 O-Ring 11 x ¹,5 26 Edelstahlsit2 Ø 7 27 Sprengring 28 Ausgangsteil Pumpe R1/4" x 12 29 Dichtring 17 x 22 x 1,5 (Kupfer) 31 Dichtstopfen M 10 x 1 32 Dichtstopfen M 8 x 1 	24	Zwischenring 20 mm	ო	40.516		6x Pos. 2; 6x Pos. 3; 6x Pos. 4		
 26 Edelstählsitz Ø 7 27 Sprengring 28 Ausgangsteil Pumpe R1/4" x 12 29 Dichtring 17 x 22 x 1,5 (Kupfer) 31 Dichtstopfen M 10 x 1 32 Dichtstopfen M 8 x 1 2 	25	O-Ring 11 x 1.5	~	12.256				
27 Sprengring 1 28 Ausgangsteil Pumpe R1/4" x 12 1 29 Dichtring 17 x 22 x 1,5 (Kupfer) 1 30 Stopfen 3/8" 1 31 Dichtstopfen M 10 x 1 1 32 Dichtstopfen M 8 x 1 2	26	Edelstahlsitz Ø 7	-	14.118				
 28 Ausgangsfeil Pumpe R1/4" x 12 29 Dichtring 17 x 22 x 1,5 (Kupfer) 30 Stopfen 3/8" 31 Dichtstopfen M 10 x 1 32 Dichtstopfen M 8 x 1 2 	27	Sprengring	-	13.147				
 29 Dichtring 17 x 22 x 1,5 (Kupfer) 30 Stopfen 3/8" 31 Dichtstopfen M 10 x 1 32 Dichtstopfen M 8 x 1 2 	28	Ausgangsteil Pumpe R1/4" x 12	-	44.215				
30 Stopfen 3/8" 1 31 Dichtstopfen M 10 x 1 2 32 Dichtstopfen M 8 x 1 2	29	Dichtring 17 x 22 x 1,5 (Kupfer)	-	40.019				
31 Dichtstopfen M 10 × 1 1 32 Dichtstopfen M 8 × 1 2	30	Stopfen 3/8"	-	40.018				
32 Dichtstopfen M 8 x 1 2 1	31	Dichtstopfen M 10 x 1	-	43.043				
		Dichtstopfen M 8 x 1	2	13.158				

quadro 800 TST - 1200 TST

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	Description	Qty.	OrdNo	Ň	Description	Qty.	OrdNo
	a Schlauchfühnund	-	40.302	23	Drahaalank	-	40.167
		-	100.01	2		-	101.01
	Seitenschale Wasserführung	-	40.301	24	Anschlussteil	-	40.308
	iterteil	-	40.304	25	Distanzring	-	40.316
	berteil	-	40.303	27	O-Ring 6,5 x 2	-	40.585 2
、	nnensechskantschraube M 4 x 25	4	40.313	28	Anschlussstück	-	40.308
	nit Bremse	-	40.306	33	O-Ring 6 x 1,5	-	13.386
	nks	-	40.305	34	Stopfen M 10 x 1	-	13.385
		7	40.307	40	Überwurfmutter	-	13.276 2
	Kunststoffschraube 5,0 x 20	12	43.018	42	O-Ring 9,3 x 2,4	4	13.275
	е	-	40.310	44	Verbindungsschlauch	-	42.624
	erführung	-	40.311	45	Hochdruckschlauch NW 8 20 m	-	41.083
	lastic-Stop-Mutter M 4	4	40.111		Hose drum compl. without hose		41.259 6
	klappbar	-	40.320 0				
	jsbolzen	-	40.312				
	Scheibe MS 16 x 24 x 2	-	40.181				
	Wellensicherungsring 22 mm	2	40.117				
2 4	Vellensicherungsring 16 mm	-	40.182				
ш	eibe Ø 6,4	-	50.189				
	mm	2	13.159				
21 Sicherungss	Sicherungsscheibe 6 DIN6799	-	40.315				
22 Schraube M 5 x 10	1 5 x 10	-	43.021				

Spare parts list KRÄNZLE quadro 800 TST - 1200 TST

quadro 800 TST - 1200 TST





Spare parts list KRÄNZLE quadro 800 TST - 1200 TST Turbokiller

No	Description	Qty.	OrdNo
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 04 für quadro 800	1	41.532 0
15.1	Düse 055 für quadro 1000	1	41.532
15.2	Düse 08 für quadro 1200	1	41.537
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 04 compl. with lance		41.072
	Turbokiller 055 compl. with lance		41.072 4
	Turbokiller 08 compl. with lance		41.072 8
	Repair Kit Turbokiller 04		41.096 9
	Repair Kit Turbokiller 055		41.097 1
	Repair Kit Turbokiller 08		41.097 3

Wiring diagram



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 guarateed.

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 pages 16 and 17)

Check the oil level at the oil dip stick prior to each use (see also page 11).

(Ensure horizontal position!)

Oil change:

The first oil change should be carried out after approximately 50 operating hours, then every year or after 1000 operating hours. If the oil turns grey or white, you must certainly change the oil of your high pressure pump.

Open the oil discharge screw at the bottom of the device over a collection resevoir.

Put the machine into a horizontal position to drain the oil. The oil is to be caught in the reservoir and disposed of in an approved manner.

New Oil: 1,0 I -Motor oil: 10/W60 SAE halfsynthetic oil



Inspection report

for KRÄNZLE - High Pressure Cleaners The high pressure cleaner must be inspected by an expert every 12 months.

Appliance No.:

Type of appliance:

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 closed gun

2. General condition

- a) High pressure hose
- b) Cable, plug, switch (VDE)
- c) Spray gun, spray accessories.
- d) Motor
- e) Oil level

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



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.

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.



Warranty

Guarantee

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

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 <u>www.kraenzle.com</u>.

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.

Notes



I. Kränzle GmbH Elpke 97 . 33605 Bielefeld



EC declaration of conformity

We hereby declare, that the high-pressure models:	Kränzle quadro 800/1200 TST Kränzle quadro 1000/1200 TS
(techn. documentation available from):	Manfred Bauer, Fa. Josef Kränzle Rudolf-Diesel-Str. 20, 89257 Illertissen
Nominal flow:	K quadro 800 TST: 798 l/h K quadro 1000 TST: 960 l/h K quadro 1200 TST: 1140 l/h
comply with the following guidelines and specifications and their amendments for high-pressure cleaners:	Machine guideline 2006/42/EEC Specification 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
Sound power level measured: guaranteed:	89 dB (A) 91 dB (A)
Applied conformity evaluation procedures:	annex V, noise directive 2005/88/EC
Applied specifications and standards:	EN 60 335-2-79 :2009 EN 55 014-1 :2006 EN 55 014-2 / A2:2008

:N 55 014-2 / A2:2008 EN 61 000-3-2 : 2006 EN 61 000-3-3 : 2008

loco Week

Kränzle Josef (Managing Director)

Bielefeld, den 29.02.12



Subject to technical modifications. Order no. 30.260 1

I. Kränzle GmbH Elpke 97 D - 33605 Bielefeld

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MadeinGermany

www.kraenzle.com