kränzle®
HOCHDRUCKREINIGER

Program 2012

Technical perfection and top design

www.kraenzle.com

kränzle made in Germany

The Company

Illertissen Plant: Development, Production, Assembly and Logistics

The Kränzle Company was launched in 1974 by Josef Kränzle. From the very beginning the utmost importance was attached to the superior quality of products. Consistent adherence to this philosophy has enabled us to attain a leading position in the market. Kränzle is proud to be among the best manufacturers of high-pressure cleaners in the world.

Constant new developments with countless patents and well-thought-through care of models bear witness to the innovativeness of the company.

The overall area of our two plants located in Illertissen, Bavaria, measures approx. 54,000 m², with 30,000 m² for production facilities.

The high-bay warehouse in Illertissen successively takes over the central function of the Kränzle logistics as of 2012 bringing together production and logistics at a single location. With a storage capacity of 6,500 spaces for pallets the warehouse provides for an on-time delivery all over Europe.

It is our objective to continue manufacturing products which always meet the uncompromisingly high Kränzle quality standard satisfying the final customer at equal measure.

The Bielefeld Centre: Distribution

Through intensive product marketing Kränzle is now an established name throughout the world. Kränzle-Vertriebs GmbH with its branches and partners is represented on almost every continent.

The Managing Partner Josef Kränzle, together with his highly committed staff, ensures that customers all over the world receive competent help and advice.

In Germany, an extensive network of authorised dealers provides a qualified support for Kränzle customers if it comes to supply and field service.

Find your local specialized dealer in the Internet at: www.kraenzle.com

First-class

Kränzle high-pressure cleaners are first-class. They are distinguished by their extraordinarily high quality, extremely modern design, high grade materials, long service life and economic efficiency.

Research and development

A major reason for the success of Kränzle products is the great importance attached to the in-house research and development department.

State-of-the-art CAD systems help to significantly shorten development cycles, much improve product quality and to optimise production processes.

All pumps are made on CNC machining centres with electronic control systems to ensure maximum precision and compliance to specifications.

User friendly

Kranzle high-pressure cleaners not only require low maintenance, they are also robust and user friendly. Numerous accessories are specially designed for Kränzle appliances and help to expand their range of application considerably.

Environmentally conscious

Kränzle high-pressure cleaners also set standards in the context of environmental protection. They save water and energy – and yet achieve a maximum cleaning effect. The available pressure is optimally adapted to the flow rate of the water, thus effectively reducing the overall consumption of water and energy – for the benefit of the environment.

Easy

The fairly comprehensive Kränzle programme is based on a few pump and motor types only. That means that the retailer has only to operate a small spare parts depot and the final customer benefits from a more rapid service.

Quality

Modern facilities guarantee uncompromisingly high Kränzle quality standards during the final assembly phase. Almost 90 % of the components for our appliances are manufactured in our production location in Germany. Thus an exceptional quality control of our appliances can be assured.

Functionally reliable

Each product is put through an exhaustive function test prior to leaving the factory.

Prior to leaving our premises the machines have to satisfy the requirements of a final control.

Quality „Made in Germany“.

kränzle made in Germany

Kränzle HP cleaners are characterised by the following technical advantages

Special brass pump head

The pump head is manufactured by Kränzle in Germany from forged special brass and guarantees an extremely long service life.

Slow runner

The machines -except for models K 1151, K 10/120- are equipped with slow running, quiet and durable four-pole slow running electric motors (1,400 r.p.m.). Lower speeds reduce starting current, noise emission and wear.

Stainless steel plungers (piston) with ceramic coating

All units are equipped with ceramic coated stainless steel plungers. The favourable features of stainless steel plungers (excellent thermal conductivity), are combined with the positive characteristics of a hard ceramic coating (extremely low-wear surface) This serves to considerably increase the service life of our systems.

Dry-run safety

All pumps are equipped with a fabric sleeve and a Teflon graphite backing ring on each plunger. The excellent lubricating properties of Teflon graphite serve to reduce both the friction and temperature inside the pump. For this reason, Kränzle pumps can be run without water for a certain period without suffering any damage.

Bypass operation

All machines switch over to a pressure reduced bypass operation as soon as the trigger gun is released. Water is circulated with a pressure of only approx. 10 bar. Automatic machines TS (TOTAL-STOP), also switch off at this point. Pumps and motors go into standby mode, not only prolonging service life but saving energy as well.

Continuously adjustable pressure and quantity control

For all machines except the twin pump machine, the operating pressure and the amount of water being sprayed can be exact ly adjusted to suit the cleaning task.

Stainless steel pressure gauge

All high-pressure cleaners are equipped with large, clearly visible, glycerine dampened stainless steel gauges. Kränzle quality in every detail.

Non-corrosiveness and durability

Machine failure due to corrosion is impossible. All parts of the pump and safety devices that come into contact with water are made of stainless steel or special brass.

Leakage return system

A water cushion between the high-pressure seals on the plungers prevents any sucked in air from reaching the pump chamber. This considerably increases the service life of the plungers and pump.

Elaborated details

All high-pressure cleaners with hose drum are equipped with foldable cranks, saving space during transport or storage. Furthermore the handle is protected from damages.

Product safety

Kränzle appliances are tested according to the CE-scheme and the TÜV/GS test procedures and certified accordingly.

Product overview

Cold water HP cleaner

	Model	max. operating pressure	Water output	Motor	Page
The portables					
	K 7/120	120 bar/12 MPa	7 l/min. (420 l/h)	230 V	5
	K 10/120	120 bar/12 MPa	10 l/min. (600 l/h)	230 V	
	HD 9/80	80 bar/ 8 MPa	9 l/min. (540 l/h)	230 V	
	HD 12/130	130 bar/13 MPa	11 l/min. (660 l/h)	230 V	
The small power packs					
	K 1151 T	130 bar/13 MPa	10 l/min. (600 l/h)	230 V	6
	K 1151	130 bar/13 MPa	10 l/min. (600 l/h)	230 V	
	Silent 120	120 bar/12 MPa	7 l/min. (420 l/h)	230 V	
The K 2000 series					
	K 2160 TS / TS T	140 bar/14 MPa	11 l/min. (660 l/h)	230 V	7
	K 2195 TS / TS T	180 bar/18 MPa	8 l/min. (480 l/h)	230 V	
	K 2175 TS / TS T	160 bar/16 MPa	12 l/min. (720 l/h)	400 V	
The Profi series					
	Profi 160 TS T	140 bar/14 MPa	11 l/min. (660 l/h)	230 V	9
	Profi 195 TS T	170 bar/17 MPa	8 l/min. (480 l/h)	230 V	
	Profi 175 TS T	150 bar/15 MPa	12 l/min. (720 l/h)	400 V	
	Profi 15/120 TS T	120 bar/12 MPa	15 l/min. (900 l/h)	400 V	
The small quadros					
	quadro 11/140 TS T	140 bar/14 MPa	11 l/min. (660 l/h)	230 V	11
	quadro 12/150 TS T	150 bar/15 MPa	12 l/min. (720 l/h)	400 V	
	quadro 9/170 TS T	170 bar/17 MPa	9 l/min. (540 l/h)	230 V	
The medium quadros					
	quadro 599 TS T	150 bar/15 MPa	10 l/min. (600 l/h)	230 V	12
	quadro 799 TS T	180 bar/18 MPa	13 l/min. (780 l/h)	400 V	
	quadro 899 TS T	150 bar/15 MPa	15 l/min. (900 l/h)	400 V	
The big quadros					
	quadro 800 TS T	250 bar/25 MPa	13,3 l/min. (798 l/h)	400 V	13
	quadro 1000 TS/TS T	220 bar/22 MPa	16 l/min. (960 l/h)	400 V	
	quadro 1200 TS/TS T	180 bar/18 MPa	19 l/min. (1.140 l/h)	400 V	
Special appliances with increased water output					
	quadro 1500 TS/TS T	140 bar/14 MPa	25 l/min. (1.500 l/h)	400 V	14
	D 30/180 TS T	180 bar/18 MPa	30 l/min. (1.800 l/h)	400 V	
	D 26/250 TS T	250 bar/25 MPa	26 l/min. (1.560 l/h)	400 V	
The compact HP-cleaners with Honda motor					
	B 170 T	150 bar/15 MPa	12,5 l/min. (750 l/h)	Petrol	15
	B 200 T	180 bar/18 MPa	12,5 l/min. (750 l/h)	Petrol	
	B 240 T	220 bar/22 MPa	16 l/min. (960 l/h)	Petrol	
	B 270 T	250 bar/25 MPa	16 l/min. (960 l/h)	Petrol	
	B 230 T	200 bar/20 MPa	20 l/min. (1.200 l/h)	Petrol	
The Profi-Jet series					
	B 13/150	150 bar/15 MPa	13 l/min. (780 l/h)	Petrol	16
	B 10/200	200 bar/20 MPa	10 l/min. (600 l/h)	Petrol	
	B 16/220	220 bar/22 MPa	16 l/min. (960 l/h)	Petrol	
	B 16/250	250 bar/25 MPa	16 l/min. (960 l/h)	Petrol	
	B 20/220	200 bar/20 MPa	20 l/min. (1.200 l/h)	Petrol	
The stationary cold water high-pressure cleaners					
	W 11/135	135 bar/13,5 MPa	11 l/min. (660 l/h)	230 V	17
	W 13/250	250 bar/25 MPa	13 l/min. (780 l/h)	400 V	
	W 15/220	220 bar/22 MPa	15 l/min. (900 l/h)	400 V	
	W 19/180	180 bar/18 MPa	19 l/min. (1.140 l/h)	400 V	

Hot water HP cleaners

	Model	max. operating pressure	Water output	Motor	Page
The compact hot water high-pressure cleaners therm CA					
	therm CA 11/130	130 bar/13 MPa	11 l/min. (660 l/h)	230 V	19
	therm CA 12/150	150 bar/15 MPa	12 l/min. (720 l/h)	400 V	
	therm CA 15/120	120 bar/12 MPa	15 l/min. (900 l/h)	400 V	
The compact hot water high-pressure cleaners therm C					
	therm C 11/130	130 bar/13 MPa	11 l/min. (660 l/h)	230 V	20
	therm C 13/180	180 bar/18 MPa	13 l/min. (780 l/h)	400 V	
	therm C 15/150	150 bar/15 MPa	15 l/min. (900 l/h)	400 V	
The big hot water HP-cleaners therm					
	therm 635-1	130 bar/13,0 MPa	10,6 l/min. (635 l/h)	230 V	21
	therm 875-1	175 bar/17,5 MPa	14,6 l/min. (875 l/h)	400 V	
	therm 895-1	195 bar/19,5 MPa	14,9 l/min.(895 l/h)	400 V	
	therm 1165-1	165 bar/16,5 MPa	19,4 l/min. (1.165 l/h)	400 V	
	therm 1525-1	125 bar/12.5 mPa	25 l/min. (1.500 l/h)	400 V	
The electrically heated hot water HP cleaners therm E-ST, E-M					
	therm 601 E-ST 18	100 bar/10 MPa	10 l/min. (600 l/h)	400 V	22
	therm 601 E-ST 24	160 bar/16 MPa	8,6 l/min. (516 l/h)	400 V	
	therm 601 E-ST 36	160 bar/16 MPa	8,6 l/min. (516 l/h)	400 V	
	therm 871 E-ST 48	170 bar/17 MPa	14,5 l/min. (870 l/h)	400 V	
	therm 891 E-ST 48	220 bar/22 MPa	15 l/min. (900 l/h)	400 V	
	therm 602 E-M 18	100 bar/10 MPa	10 l/min. (600 l/h)	400 V	
	therm 602 E-M 24	160 bar/16 MPa	8,6 l/min. (516 l/h)	400 V	
	therm 602 E-M 36	160 bar/16 MPa	8,6 l/min. (516 l/h)	400 V	
	therm 872 E-M 48	170 bar/17 MPa	14,5 l/min. (870 l/h)	400 V	
The stationary hot water high-pressure cleaners therm ST					
	therm 895 ST	195 bar/19,5 MPa	14,9 l/min. (895 l/h)	400 V	23
	therm 1165 ST	165 bar/16,5 MPa	19,4 l/min. (1.165 l/h)	400 V	

The wet/dry vacuum cleaners

	Ventos 20 E/L, 1.200 W, 240 mbar, 230 V	25
	Ventos 30 E/L, 1.200 W, 240 mbar, 230 V	

The Power Sweepers

	Kränzle 2 + 2, Working width 800 mm	26
	Kränzle 1 + 1 Profi, Working width 670 mm	

Accessories high-pressure cleaners

	The floor cleaners	27
	Steel braided high-pressure hoses - Hose drum - retrofit kits	28
	Pipe cleaning hoses - Sludge sucker	29
	Flat jet lances	30
	Dirtkiller lances - Turbokiller lances	31
	Trigger guns with safety catches	32
	Cleaning brushes	33
	Detergents	34

Accessories wet and dry vacuum cleaner Ventos 35

The portables

kränzle HOCHDRUCKREINIGER

extremely handy, space-saving and compact design

can withstand voltage fluctuations of up to approx.10 %

four-pole slow running motor (1,400 r.p.m.) (K 7/120)

designed for continuous professional use

extremely handy, space-saving and compact design

the most silent professional appliances of their class (HD 9/80, HD 12/130) due to a four-pole slow running motor (1,400 r.p.m.)

Technical specifications	**K 7/120**	**K 10/120**	**HD 9/80**	**HD 12/130**
Order no. with Dirtkiller	**41.720 1**	**41.721 1**		
Order no. without Dirtkiller	**41.720**	**41.721**	**41.171**	**41.168**
Operating pressure, continuously adjustable	30-120 bar / 3-12 MPa	30-120 bar / 3-12 MPa	30-80 bar / 3-8 MPa	30-130 bar / 3-13 MPa
Max. admissible overpressure	135 bar / 13,5 MPa	135 bar / 13,5 MPa	90 bar / 9 MPa	145 bar / 14,5 MPa
Water output	7 l/min. (420 l/h)	10 l/min. (600 l/h)	9 l/min. (540 l/h)	11 l/min. (660 l/h)
Inlet water temperature	max. 60 °C	max. 60 °C	max. 60 °C	max. 60 °C
Suction height	1.5 m		1.5 m	2.5 m
Nozzle size, Dirtkiller	028 ●	042 ●	042 ●	042 ●
Nozzle size, flat jet nozzle	20028 ●	20042 ●	042 Vario-Jet ●	20042 Rgulating ● nozzle
Motor speed	1,400 r.p.m.	2,800 r.p.m.	1,400 r.p.m.	1,400 r.p.m.
Connected load	230 V, 7.5 A, 50 Hz	230 V, 11.0 A, 50 Hz	230 V, 7.5 A, 50 Hz	230 V, 13.5 A, 50 Hz
Power intake	1.6 kW	2.5 kW	1.6 kW	2.9 kW
Power output	1.0 kW	1.8 kW	1.0 kW	2.2 kW
Weight	22 kg	23 kg	24 kg	30 kg
Dimensions (L x W x H) in mm	440 x 200 x 330	440 x 200 x 330	470 x 230 x 320	500 x 240 x 320

Features and equipment		Order no.		Order no.		Order no.		Order no.
Low pressure detergent	○	13.376 7	○	13.376 6	●		●	
Steel braided high-pressure hose, 10 m NW 6	●	43.416	●	43.416	●	43.416	●	43.416
Trigger gun with safety catch 'Midi'	●	12.160	●	12.160	●	12.160	●	12.160
Dirtkiller lance with stainless steel pipe	● ○	41.571-028	● ○	41.072 5	○	41.072 5	○	41.072 5
Flat jet lance with stainless steel pipe	●	12.392 5-M20028	●	12.392 5-M20042	●	41.156 Vario-Jet	●	12.700-M20042
Water intake filter	○	13.310	○	13.310	○	13.310	○	13.310

● Standard equipment ○ Option ● Colour coding indicating nozzle size

The small power packs

TESTSIEGER
TESTMAGAZIN • URTEIL
Kränzle 1151 T
SEHR GUT | 93,1 %
9 Hochdruckreiniger im Test | Heft 04/2010

Testsieger
Test
4/2010
selber machen

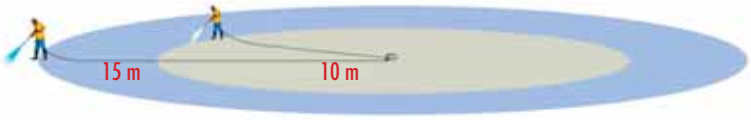
integrated trolley takes steps and rough ground in its stride

integrated hose drum with foldable crank and 15 m steel braided high-pressure hose

5 m power lead with cable reel

Dirtkiller lance with stainless steel pipe, Vario-Jet lance with stainless steel pipe and fully adjustable spray jet angle from pencil to wide fan as well as high and low pressure

Storage for trigger gun with safety catch, Dirtkiller lance and Vario-Jet lance



As a comparison:
High-pressure cleaners with a 10 m high-pressure hose have an activity radius of 10 m with a working area of 314 m².

Kränzle high-pressure cleaner with integrated hose drum and 15 m high-pressure hose have an activity radius of 15 m with a working area of 706 m². More than twice as much!

Technical specifications	K 1151 T	K 1151	Silent 120
Order no. with Dirtkiller	**41.215 1**	**41.216 1**	**41.220 1**
Order no. without Dirtkiller		**41.216**	**41.220**
Operating pressure, continuously adjustable	30-130 bar / 3-13 MPa	30-130 bar / 3-13 MPa	30-120 bar / 3-12 MPa
Max. admissible overpressure	150 bar / 15 MPa	150 bar / 15 MPa	135 bar / 13,5 MPa
Water output	10 l/min. (600 l/h)	10 l/min. (600 l/h)	7 l/min. (420 l/h)
Inlet water temperature	max. 60 °C	max. 60 °C	max. 60 °C
Suction height			1.5 m
Nozzle size, Dirtkiller	042 ●	042 ●	028 ●
Nozzle size, flat jet nozzle	042 Vario-Jet ●	042 Vario-Jet ●	20028 ●
Motor speed	2,800 r.p.m.	2,800 r.p.m.	1,400 r.p.m.
Connected load	230 V, 12.0 A, 50 Hz	230 V, 12.0 A, 50 Hz	230 V, 7.5 A, 50 Hz
Power intake	2.8 kW	2.8 kW	1.6 kW
Power output	2.0 kW	2.0 kW	1.0 kW
Weight	29 kg	27 kg	26 kg
Dimensions (L x W x H) in mm	300 x 330 x 800	300 x 330 x 800	300 x 330 x 800

Features and equipment		Order no.		Order no.		Order no.
Total-Stop system	●		●			
Low pressure detergent	●		●		○	13.376 7
Hose drum with HP hose, 15 m NW 6	●		○	40.184 2	○	40.184 2
Steel braided high-pressure hose, 15 m NW 6	●	40.170				
Steel braided high-pressure hose, 10 m NW 6			●	43.416	●	43.416
Trigger gun with safety catch 'Midi'	●	12.160	●	12.160	●	12.160
Dirtkiller lance with stainless steel pipe	●	41.072 5	● ○	41.072 5	● ○	41.571-028
Flat jet lance with stainless steel pipe	●	41.156 Vario-Jet	●	41.156 Vario-Jet	●	12.392 5-M20028
Water intake filter	○	13.310	○	13.310	○	13.310

● Standard equipment ○ Option ● Colour coding indicating nozzle size

The K 2000 series

kränzle HOCHDRUCKREINIGER

integrated Roto-Mold trolley, manufactured out of one piece and therefore extremely stable and sturdy takes steps and rough ground in its stride

integrated hose drum with foldable crank and 15 m steel braided high-pressure hose

5 m power lead with cable reel

Dirtkiller lance with stainless steel pipe,
Vario-Jet lance with fully adjustable spray angle from pencil to wide fan as well as high and low pressure

Storage for trigger gun with safety catch,
Dirtkiller lance and Vario-Jet lance

Storage for trigger gun with safety catch and spray lance during breaks

Technical specifications	K 2160 TS T	K 2195 TS T	K 2175 TS T	K 2160 TS	K 2195 TS	K 2175 TS
Order no.	**41.781 1**	**41.785 1**	**41.783 1**	**41.780 1**	**41.784 1**	**41.782 1**
Operating pressure, continuously adjustable	30-140 bar / 3-14 MPa	30-180 bar / 3-18 MPa	30-160 bar / 3-16 MPa	30-140 bar / 3-14 MPa	30-180 bar / 3-18 MPa	30-160 bar / 3-16 MPa
Max. admissible overpressure	160 bar / 16 MPa	195 bar / 19,5 MPa	175 bar / 17,5 MPa	160 bar / 16 MPa	195 bar / 19,5 MPa	175 bar / 17,5 MPa
Water output	11 l/min. (660 l/h)	8 l/min. (480 l/h)	12 l/min. (720 l/h)	11 l/min. (660 l/h)	8 l/min. (480 l/h)	12 l/min. (720 l/h)
Inlet water temperature	max. 60 °C	max. 60 °C	max. 60 °C	max. 60 °C	max. 60 °C	max. 60 °C
Suction height	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m
Nozzle size, Dirtkiller	042 ●	03 ○	042 ●	042 ●	03 ○	042 ●
Nozzle size, Vario-Jet	042 ●	03 ○	042 ●	042 ●	03 ○	042 ●
Motor speed	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.
Connected load	230 V, 14 A, 50 Hz	230 V, 14 A, 50 Hz	400 V, 6.7 A, 50 Hz	230 V, 14 A, 50 Hz	230 V, 14 A, 50 Hz	400 V, 6.7 A, 50 Hz
Power intake	3.2 kW	3.2 kW	3.3 kW	3.2 kW	3.2 kW	3.3 kW
Power output	2.4 kW	2.4 kW	2.6 kW	2.4 kW	2.4 kW	2.6 kW
Weight	39.5 kg	39.5 kg	39.5 kg	37 kg	37 kg	37 kg
Dimensions (L x W x H) in mm	375 x 360 x 900	375 x 360 x 900	375 x 360 x 900	375 x 360 x 900	375 x 360 x 900	375 x 360 x 900

Features and equipment		Order no.		Order no.		Order no.		Order no.		Order no.		Order no.
Total-Stop system	●		●		●		●		●		●	
Low pressure detergent	●		●		●		●		●		●	
Hose drum with HP hose, 15 m NW 6	●		●		●		○	48.100 1	○	48.100 1	○	48.100 1
Steel braided high-pressure hose, 15 m NW 6	●	48.015	●	48.015	●	48.015						
Steel braided high-pressure hose, 10 m NW 6							●	43.416	●	43.416	●	43.416
Trigger gun with safety catch 'Midi'	●	12.160	●	12.160	●	12.160	●	12.160	●	12.160	●	12.160
Dirtkiller lance with stainless steel pipe	●	41.072 5	●	41.073 8	●	41.072 5	●	41.072 5	●	41.073 8	●	41.072 5
Vario-Jet lance with stainless steel pipe	●	41.156	●	41.156 2	●	41.156	●	41.156	●	41.156 2	●	41.156
Water intake filter	○	13.310	○	13.310	○	13.310	○	13.310	○	13.310	○	13.310

● Standard equipment ○ Option ● Colour coding indicating nozzle size

The Profi series

Continuous operation

The Profi series and the K 2000 series represent the continued development of the well-proven and extremely successful Kränzle T series.

The Profi machines are industry leaders due to forward looking design and top quality engineering. Large over-dimensioned gears and oil housings are used which are designed for continuous operation, helping to considerably extend the working life of the cleaners.

Neat arrangement

The main benefits of the Kränzle design are the integral hose drum with foldable crank, storage receptacles for trigger gun, Dirtkiller lance and lance with winding lugs for the power cable. Everything is stored with the machine and is easily accessible for problem free cleaning. Compared to previous models, the hose drum is considerably larger, making it easier to wind up the hose.

Stability

The trolley (Roto-Mold), is manufactured out of one piece and is therefore extremely stable and sturdy. Large wheels make it easy to move even on difficult terrain and increases the stability during operation. Small obstacles or staircases are no longer a problem.

The high-pressure cleaners of the Profi series can even be transported in the boot of a family car.

Efficiency

Detergent injectors on the pump outlet, as used by conventional pressure washers, consume up to 30 % of the energy even when they are not being used. Due to the integrated water tank on the Kränzle quadro and profi cleaners, it is now possible to suck detergents directly into the pump, preventing the decrease in output pressure and increasing the cleaning power. Also, detergents can be sprayed at the machines' full operating pressure.

Protection

Due to the integrated water tank, damage to the pump caused by lack of water is practically eliminated.. The great advantage of the water tank is that cavitation (air bubble implosions inside the pump, caused amongst other things, by lack of water and a major reason for failure in high pressure pumps) is almost impossible.

It only takes a few seconds to temporarily remove the water tank from the cleaner if you want to suck in water from a separate container or pond. Also, you do this by hand – you don't need any tools!

Total-Stop

For these models, the letters TS indicate a Total-Stop system: When the trigger gun is released the motor stops automatically, then when the trigger gun is squeezed again, the machine restarts. The motor and pump only run when they are actually needed, reducing wear, noise and saving electricity.

The Profi series

kränzle HOCHDRUCKREINIGER

integrated Roto-Mold trolley, manufactured out of one piece and therefore extremely stable and sturdy takes steps and rough ground in its stride

integrated hose drum with foldable crank and 15 m steel braided high-pressure hose

5 m power lead with cable reel

Dirtkiller lance with stainless steel pipe,
Flat jet lance with stainless steel pipe

Storage for trigger gun with safety catch,
Dirtkiller lance and lance with flat jet

Storage for trigger gun with safety catch and spray lance during breaks

IF design award 2008
for outstanding design

Technical specifications	Profi 160 TS T	Profi 195 TS T	Profi 175 TS T	Profi 15/120 TS T
Order no.	**41.230 1**	**41.231 1**	**41.232 1**	**41.233 1**
Operating pressure, continuously adjustable	30-140 bar / 3-14 MPa	30-170 bar / 3-17 MPa	30-150 bar / 3-15 MPa	30-120 bar / 3-12 MPa
Max. admissible overpressure	160 bar / 16 MPa	195 bar / 19,5 MPa	175 bar / 17,5 MPa	135 bar / 13,5 MPa
Water output	11 l/min. (660 l/h)	8 l/min. (480 l/h)	12 l/min. (720 l/h)	15 l/min. (900 l/h)
Inlet water temperature	max. 60 °C	max. 60 °C	max. 60 °C	max. 60 °C
Suction height	2.5 m	2.5 m	2.5 m	2.5 m
Nozzle size, Dirtkiller	042 ●	03 ○	042 ●	07 ●
Nozzle size, flat jet nozzle	20042 ●	2003 ○	20042 ●	2007 ●
Motor speed	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.
Connected load	230 V, 14.3 A, 50 Hz	230 V, 14.3 A, 50 Hz	400 V, 7.2 A, 50 Hz	400 V, 7.2 A, 50 Hz
Power intake	3.2 kW	3.2 kW	3.8 kW	3.8 kW
Power output	2.5 kW	2.5 kW	3.0 kW	3.0 kW
Weight	45 kg	45 kg	45 kg	45 kg
Dimensions (L x W x H) in mm	355 x 375 x 980	355 x 375 x 980	355 x 375 x 980	355 x 375 x 980

Features and equipment		Order no.		Order no.		Order no.		Order no.
Total-Stop system	●		●		●		●	
Water tank, detachable	●		●		●		●	
Low pressure detergent	●		●		●		●	
Hose drum with HP hose, 15 m NW 6	●		●		●		●	
Steel braided high-pressure hose, 15 m NW 6	●	43.829	●	43.829	●	43.829	●	43.829
Trigger gun with safety catch 'Midi'	●	12.160	●	12.160	●	12.160	●	12.160
Dirtkiller lance with stainless steel pipe	●	41.570-042	●	41.570-03	●	41.570-042	●	41.570-07
Flat jet lance with stainless steel pipe	●	12.393-M20042	●	12.393-M2003	●	12.393-M20042	●	12.393-M2007
Water intake filter	○	13.300 3	○	13.300 3	○	13.300 3	○	13.300 3

● Standard equipment ○ Option ● Colour coding indicating nozzle size

The quadro series

Neat arrangement

The hose drum with foldable crank helps organise the Kränzle system. No more tangled and carelessly discarded high-pressure hoses, which cause a risk of tripping or need to be untangled before starting work. As an additional benefit, the life- expectancy of the high-pressure hoses is substantially increased! Due to the longer HP hose for models with hose drum (min. 15 m), the working area that can be reached is more than doubled when compared to a 10 m hose.

Motor cut-out

When the high-pressure cleaner is switched on with the main switch, the motor starts automatically as soon as the trigger gun is pressed. If the trigger gun is released the motor stops automatically.

Frequently switching the motor on and off with high-pressure cleaners of this size can overload the power circuit and wear the electrical components. For this reason, the pump continues to work for 30 seconds in pressure-less bypass operation after releasing the trigger gun. After that period the quadro motor switches off. The motor restarts when the trigger gun is squeezed again. (does not apply to the small quadros)

Safety cut-out (except for small Quadros)

If you forget to switch off the quadro machines, or if the trigger gun is not used for 20 minutes, the machines automatically switch off. To reactivate the HP cleaners, just turn the master switch off and then back on.

All quadro cleaners are equipped with thermal overload motor protection, shutting off the machine if excessive power is consumed.

The twin-pump machines are equipped with a delayed start-up of the second pump.

small quadro | medium quadro | Big quadro | Twin pump machine

Protection

The big water tank on all models of the quadro series acts as a water reservoir and buffer between water supply and pump. Due to the integrated water tank, damage to the pump caused by lack of water is avoided.

The great advantage of the water tank is that cavitation (air bubble implosions inside the pump caused, amongst other things, by lack of water and a major reason for failure in high pressure pumps), is almost eliminated. Direct suction of water from a separate container or pond is possible by bypassing the water tank.

Efficiency

Conventional cold-water cleaners are normally equipped with an injector on the pump outlet for sucking in detergents. To make this procedure possible, the pressurised water must be forced through a small nozzle. That process consumes energy, even if the injector is not being used and this reduces the output pressure by approx. 30 %. In Kranzle HP cleaners with water tanks, the pump sucks in water from the tank and also detergent simultaneously. The energy wasting injector is therefore not necessary and the loss of nearly 30% of its power no longer occurs. Detergents can also be sprayed at the machines' full operating pressure.

Stability

The extremely stable and sturdy trolley of all quadro models with their large wheels makes them easy to move, even on difficult terrain.

The standard parking brake makes sure that the machine remains in a fixed position during operation. The ergonomically shaped pulling handle is detachable for transport purposes.

The small quadros

kränzle HOCHDRUCKREINIGER

integrated trolley takes steps and rough ground in its stride

integrated hose drum with foldable crank and 15 m steel braided high-pressure hose

5 m power lead with cable reel (12/150 TS T: 7.5 m)

Recepticals for trigger gun with safety catch, Dirtkiller lance and lance with flat jet nozzle

High pressure detergent valve

Shock absorbing buffers, front and rear

Technical specifications	quadro 11/140 TS T	quadro 12/150 TS T	quadro 9/170 TS T
Order no.	**40.441 1**	**40.442 1**	**40.443 1**
Operating pressure, continuously adjustable	30-140 bar / 3-14 MPa	30-150 bar / 3-15 MPa	30-170 bar / 3-17 MPa
Max. admissible overpressure	155 bar / 15,5 MPa	165 bar / 16,5 MPa	190 bar / 19 MPa
Water output	11 l/min. (660 l/h)	12 l/min. (720 l/h)	9 l/min. (540 l/h)
Inlet water temperature	max. 60 °C	max. 60 °C	max. 60 °C
Volume water tank	7 l	7 l	7 l
Suction height	2.5 m	2.5 m	2.5 m
Nozzle size, Dirtkiller	045 ●	045 ●	03 ○
Nozzle size, flat jet nozzle	20045 ●	20045 ●	2003 ○
Motor speed	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.
Connected load	230 V, 14 A, 50 Hz	400 V, 6,8 A, 50 Hz	230 V, 14 A, 50 Hz
Power intake	3.3 kW	3.5 kW	3.3 kW
Power output	2.4 kW	2.8 kW	2.4 kW
Weight	46 kg	46 kg	46 kg
Dimensions (L x W x H) in mm	590 x 360 x 850	590 x 360 x 850	590 x 360 x 850

Features and equipment		Order no.		Order no.		Order no.
Total-Stop system	●		●		●	
Water tank	●		●		●	
Low pressure detergent	●		●		●	
Hose drum with HP hose, 15 m NW 6	●		●		●	
Steel braided high-pressure hose, 15 m NW 6	●	40.170	●	40.170	●	40.170
Trigger gun with safety catch 'Midi'	●	12.160	●	12.160	●	12.160
Dirtkiller lance with stainless steel pipe	●	41.571-045	●	41.571-045	●	41.073 8
Flat jet lance with stainless steel pipe	●	12.392 5-M20045	●	12.392 5-M20045	●	12.392 5-M2003
Parking brake	●		●		●	
Water intake filter	○	13.300 3	○	13.300 3	○	13.300 3

● Standard equipment ○ Option ● Colour coding indicating nozzle size

The medium quadros

integrated trolley takes steps and rough ground in its stride, large wheels with wide solid rubber tyres

integrated hose drum with foldable crank and 20 m steel braided high-pressure hose (899 TS T: 15 m)

7.5 m power lead with cable reel (599 TS T: 5 m)

Receptacle for trigger gun with safety catch, Dirtkiller lance and lance with flat jet nozzle

High pressure detergent valve

Shock absorbing buffers, front and rear

Technical specifications	quadro 599 TS T	quadro 799 TS T	quadro 899 TS T
Order no.	**40.431**	**40.432**	**40.434**
Operating pressure, continuously adjustable	30-150 bar / 3-15 MPa	30-180 bar / 3-18 MPa	30-150 bar / 3-15 MPa
Max. admissible overpressure	165 bar / 16,5 MPa	200 bar / 20 MPa	170 bar / 17 MPa
Water output	10 l/min. (600 l/h)	13 l/min. (780 l/h)	15 l/min. (900 l/h)
Inlet water temperature	max. 60 °C	max. 60 °C	max. 60 °C
Volume water tank	10 l	10 l	10 l
Suction height	2.5 m	2.5 m	2.5 m
Nozzle size, Dirtkiller	035	045	06
Nozzle size, flat jet nozzle	20035	20045	2506
Motor speed	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.
Connected load	230 V, 14 A, 50 Hz	400 V, 8,5 A, 50 Hz	400 V, 8,5 A, 50 Hz
Power intake	3.3 kW	5.5 kW	5.5 kW
Power output	2.4 kW	4.0 kW	4.0 kW
Weight	62 kg	62 kg	62 kg
Dimensions (L x W x H) in mm	780 x 395 x 870	780 x 395 x 870	780 x 395 x 870

Features and equipment		Order no.		Order no.		Order no.
Total-Stop system with delayed motor cut-out	●		●		●	
Safety cut-out	●		●		●	
Water tank	●		●		●	
Low pressure detergent	●		●		●	
Hose drum with HP hose, 20 m NW 6	●		●			
Hose drum with HP hose, 15 m NW 8					●	
Steel braided high-pressure hose, 20 m NW 6	●	43.416 1	●	43.416 1		
Steel braided high-pressure hose, 15 m NW 8					●	44.879
Trigger gun with safety catch 'Midi'	●	12.160	●	12.160	●	12.160
Dirtkiller lance with stainless steel pipe	●	46.150	●	46.150 1	●	46.150 2
Flat jet lance with stainless steel pipe	●	12.392 2-M20035	●	12.392 2-M20045	●	12.392 2-D2506
Parking brake	●		●		●	
Water intake filter	○	13.300 3	○	13.300 3	○	13.300 3

● Standard equipment ○ Option ● Colour coding indicating nozzle size

The big quadros

kränzle HOCHDRUCKREINIGER

integrated trolley takes rough ground in its stride, optionally available in stainless steel finish, large wheels with wide solid rubber tyres

integrated hose drum with foldable crank and 20 m steel braided high-pressure hose

7.5 m power lead with cable reel

Ergonomically shaped handlebar, optionally available in stainless steel finish

Recepticals for trigger gun with safety catch, Turbokiller lance and lance with flat jet nozzle

Shock absorbing buffers, front and rear, optionally available in stainless steel finish

Technical specifications	quadro 800 TS T	quadro 1000 TS T	quadro 1200 TS T	quadro 1000 TS	quadro 1200 TS
Order no.	**40.423**	**40.421**	**40.422**	**40.421 1**	**40.422 1**
Order no. mit Edelstahlfahrwerk	**40.423 0**	**40.421 0**	**40.422 0**	**40.421 9**	**40.422 9**
Operating pressure, continuously adjustable	30-250 bar / 3-25 MPa	30-220 bar / 3-22 MPa	30-180 bar / 3-18 MPa	30-220 bar / 3-22 MPa	30-180 bar / 3-18 MPa
Max. admissible overpressure	270 bar / 27 MPa	250 bar / 25 MPa	200 bar / 20 MPa	250 bar / 25 MPa	200 bar / 20 MPa
Water output	13,3 l/min. (798 l/h)	16 l/min. (960 l/h)	19 l/min. (1.140 l/h)	16 l/min. (960 l/h)	19 l/min. (1.140 l/h)
Inlet water temperature	max. 60 °C	max. 60 °C	max. 60 °C	max. 60 °C	max. 60 °C
Volume water tank	16 l	16 l	16 l	16 l	16 l
Suction height	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m
Nozzle size, Turbokiller	04 ●	05 ●	07 ●	05 ●	07 ●
Nozzle size, flat jet nozzle	2504 ●	2505 ●	2507 ●	2505 ●	2507 ●
Motor speed	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.
Connected load	400 V, 12 A, 50 Hz	400 V, 12 A, 50 Hz	400 V, 12 A, 50 Hz	400 V, 12 A, 50 Hz	400 V, 12 A, 50 Hz
Power intake	7.5 kW	7.5 kW	7.5 kW	7.5 kW	7.5 kW
Power output	5.5 kW	5.5 kW	5.5 kW	5.5 kW	5.5 kW
Weight	89 kg	89 kg	89 kg	82 kg	82 kg
Dimensions (L x W x H) in mm	770 x 570 x 990	770 x 570 x 990	770 x 570 x 990	770 x 570 x 990	770 x 570 x 990

Features and equipment		Order no.		Order no.		Order no.		Order no.		Order no.
Total-Stop system with delayed motor cut-out	●		●		●		●		●	
Safety cut-out	●		●		●		●		●	
Water tank	●		●		●		●		●	
Low pressure detergent	●		●		●		●		●	
Hose drum with HP hose, 20 m NW 8	●		●		●					
Steel braided high-pressure hose, 20 m NW 8	●	41.083	●	41.083	●	41.083				
Steel braided high-pressure hose, 10 m NW 8							●	41.081	●	41.081
Trigger gun with safety catch 'Starlet'	●	12.320 2	●	12.320 2	●	12.320 2	●	12.320 2	●	12.320 2
Turbokiller lance with stainless steel pipe	●	41.072	●	41.580-05	●	41.072 7	○	41.580-05	○	41.072 7
Flat jet lance with stainless steel pipe	●	12.392 2-D2504	●	12.392 2-D2505	●	12.392 2-D2507	●	12.392 2-D2505	●	12.392 2-D2507
Parking brake	●		●		●		●		●	
Water intake filter	○	13.300 3	○	13.300 3	○	13.300 3	○	13.300 3	○	13.300 3

● Standard equipment ○ Option ● Colour coding indicating nozzle size

Special appliances with increased water output

quadro 1500

integrated trolley takes rough ground in its stride, optionally available in stainless steel finish, large wheels with wide solid rubber tyres

integrated hose drum with foldable crank and 20 m steel braided high-pressure hose

Shock absorbing buffers, front and rear, optionally available in stainless steel finish

Twin pump machines

2 units for double capacity

Integrated trolley takes steps and rough ground in its stride, large wheels with wide solid rubber tyres

Integrated hose drum with foldable crank and 20 m steel braided high-pressure hose

Technical specifications	**quadro 1500 TS T**	**quadro 1500 TS**	**D 30/180 TS T**	**D 26/250 TS T**
Order no.	**40.426**	**40.426 1**	**41.320**	**41.321**
Order no. with stainless steel trolley	**40.426 0**	**40.426 9**		
Operating pressure			180 bar / 18 MPa	250 bar / 25 MPa
Operating pressure, continuously adjustable	30-140 bar / 3-14 MPa	30-140 bar / 3-14 MPa		
Max. admissible overpressure	160 bar / 16 MPa	160 bar / 16 MPa	200 bar / 20 MPa	275 bar / 27.5 MPa
Water output	25 l/min. (1.500 l/h)	25 l/min (1.500 l/h)	30 l/min. (1.800 l/h)	26 l/min. (1.560 l/h)
Inlet water temperature	max. 60 °C	max. 60 °C	max. 60 °C	max. 60 °C
Volume water tank	16 l	16 l	16 l	16 l
Suction height	2.5 m	2.5 m	2.5 m	2.5 m
Nozzle size, Turbokiller	11 ●	10 ●		08 ●
Nozzle size, flat jet nozzle	2011 ●	2010 ●	20125 ○	2008 ●
Motor speed	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.
Connected load	400 V, 12 A, 50 Hz	400 V, 12 A, 50 Hz	400 V, 2 x 11.5 A = 23 A, 50 Hz	400 V, 2 x 11.5 A = 23 A, 50 Hz
Power intake	7.5 kW	7.5 kW	2 x 7.5 kW = 15 kW	2 x 7.5 kW = 15 kW
Power output	5.5 kW	5.5 kW	2 x 5.5 kW = 11 kW	2 x 5.5 kW = 11 kW
Weight	89 kg	82 kg	160 kg	160 kg
Dimensions (L x W x H) in mm	770 x 570 x 990	770 x 570 x 990	790 x 760 x 995	790 x 760 x 995

Features and equipment		Order no.		Order no.		Order no.		Order no.
Total-Stop system with delayed motor cut-out	●		●		●		●	
Safety cut-out	●		●		●		●	
Water tank	●		●		●		●	
Low pressure detergent	●		●					
Hose drum with HP hose, 20 m NW 8	●				●		●	
Steel braided high-pressure hose, 20 m NW 8	●	41.083			●	41.083	●	41.083
Steel braided high-pressure hose, 10 m NW 8			●	41.081				
One piece trigger gun with safety catch 'Starlet' and lance with flat jet nozzle					●	12.320 3-M20125	●	12.320 3-M2008
Trigger gun with safety catch 'Starlet'	●	12.320 2	●	12.320 2	○	12.320 2	○	12.320 2
Turbokiller lance with stainless steel pipe	●	41.580-11	●	41.580-10			○	41.072 8
Flat jet lance with stainless steel pipe	●	12.392 2-M2011	●	12.392 2-M2010	○	12.392 2-M20125	○	12.392 2-M2008
Parking brake	●		●		●		●	
Water intake filter	○	13.300 3	○	13.300 3	○	13.300 3	○	13.300 3

● Standard equipment ○ Option ● Colour coding indicating nozzle size

The compact HP-cleaners with Honda motor

kränzle HOCHDRUCKREINIGER

integrated trolley takes steps and rough ground in its stride, large wheels with wide solid rubber tyres

integrated hose drum with foldable crank and 20 m steel braided high-pressure hose

Storage for trigger gun with safety catch, Turbokiller lance and flat jet lance with regulating nozzle

Large exhaust protection cover

Shock absorbing buffer, front and rear

Parking brake

Water intake filter

Technical specifications	B 170 T	B 200 T	B 240 T	B 270 T	B 230 T
Order no.	**41.190 1**	**41.191 1**	**41.192 1**	**41.193 1**	**41.194 1**
Operating pressure, continuously adjustable	30-150 bar / 3-15 MPa	30-180 bar / 3-18 MPa	30-220 bar / 3-22 MPa	30-250 bar / 3-25 MPa	30-200 bar / 3-20 MPa
Max. admissible overpressure	170 bar / 17 MPa	200 bar / 20 MPa	240 bar / 24 MPa	270 bar / 27 MPa	230 bar / 23 MPa
Water output	12.5 l/min. (750 l/h)	12.5 l/min. (750 l/h)	16 l/min. (960 l/h)	16 l/min. (960 l/h)	20 l/min. (1.200 l/h)
Inlet water temperature	max. 60 °C	max. 60 °C	max. 60 °C	max. 60 °C	max. 60 °C
Suction height	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m
Nozzle size, Turbokiller	05 ●	045 ●	05 ●	045 ●	07 ●
Nozzle size, flat jet nozzle	2505 ●	25045 ●	2505 ●	25045 ●	2507 ●
Engine power	5.5 HP petrol Honda	6.5 HP petrol Honda	11 HP petrol Honda	13 HP petrol Honda	13 HP petrol Honda
Weight	68 kg	68 kg	93 kg	93 kg	93 kg
Dimensions (L x W x H) in mm	720 x 570 x 960	720 x 570 x 960	720 x 570 x 960	720 x 570 x 960	720 x 570 x 960

Features and equipment		Order no.		Order no.		Order no.		Order no.		Order no.
Speed regulation					●		●		●	
Hose drum with HP hose, 20 m NW 8	●		●		●		●		●	
Steel braided high-pressure hose, 20 m NW 8	●	41.083	●	41.083	●	41.083	●	41.083	●	41.083
Trigger gun with safety catch 'Starlet'	●	12.320 2	●	12.320 2	●	12.320 2	●	12.320 2	●	12.320 2
Turbokiller lance with stainless steel pipe	●	41.580-05	●	41.072 3	●	41.580-05	●	41.072 3	●	41.072 7
Flat jet lance with regulating nozzle and stainless steel pipe	●	41.053 2-D2505	●	41.053 2-D25045	●	41.053 2-D2505	●	41.053 2-D25045	●	41.053 2-D2507
Parking brake	●		●		●		●		●	
Water intake filter	●	13.310	●	13.310	●	13.310	●	13.310	●	13.310

● Standard equipment ○ Option ● Colour coding indicating nozzle size

The Profi-Jet series

integrated trolley takes steps and rough ground in its stride with pneumatic-tyred wheels

Chassis made of stainless steel

Integrated hose drum with foldable crank and 20 m steel braided high-pressure hose

Service-friendly Honda engine

Water intake filter

the basic version of the Profi-Jets B 13/150 and B 10/200 is portable

Technical specifications	**Profi-Jet B 13/150**	**Profi-Jet B 10/200**	**Profi-Jet B 16/220**	**Profi-Jet B 16/250**	**Profi-Jet B 20/220**
Order no. portable	**41.170**	**41.182**			
Order no. with stainless steel trolley,	**41.170 1**	**41.182 1**	**41.173 2**	**41.186**	**41.187**
Order no. with stainless steel trolley, hose drum	**41.170 2**	**41.182 2**			
Order no. with stainless steel trolley, speed regulation			**41.173**	**41.186 1**	**41.187 1**
Order no. with stainless steel trolley, speed regulation, hose drum			**41.173 3**	**41.186 2**	**41.187 2**
Operating pressure, continuously adjustable	30-150 bar / 3-15 MPa	30-200 bar / 3-20 MPa	30-220 bar / 3-22 MPa	30-250 bar / 3-25 MPa	30-200 bar / 3-20 MPa
Max. admissible overpressure	170 bar / 17 MPa	220 bar / 22 MPa	240 bar / 24 MPa	270 bar / 27 MPa	220 bar / 22 MPa
Water output	13 l/min. (780 l/h)	10 l/min. (600 l/h)	16 l/min. (960 l/h)	16 l/min. (960 l/h)	20 l/min. (1.200 l/h)
Inlet water temperature	max. 60 °C	max. 60 °C	max. 60 °C	max. 60 °C	max. 60 °C
Suction height	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m
Nozzle size, Dirtkiller		03 ○			
Nozzle size, Turbokiller	05 ●		05 ●	045 ●	07 ●
Nozzle size, flat jet nozzle	2505 ●	03 Vario-Jet ○	2505 ●	25045 ●	2507 ●
Engine power	5,5 HP petrol Honda	6,5 HP petrol Honda	11 HP petrol Honda	13 HP petrol Honda	13 HP petrol Honda
Weight	33 kg	35 kg	64 kg	64 kg	64 kg
Dimensions (L x W x H) in mm	550 x 360 x 410	550 x 360 x 410	720 x 570 x 960	720 x 570 x 960	720 x 570 x 960
Features and equipment	Order no.	Order no.	Order no.	Order no.	Order no.
Chassis made of stainless steel	○ 41.101 5	○ 41.101 5	●	●	●
Speed regulation			○	○	○
Hose drum with HP hose, 20 m NW 8	○ 41.259 1	○ 41.259 1	○ 41.259 1	○ 41.259 1	○ 41.259 1
Steel braided high-pressure hose, 20 m NW 8	○ 41.083	○ 41.083	○ 41.083	○ 41.083	○ 41.083
Steel braided high-pressure hose, 10 m NW 8	● 41.081	● 41.081	● 41.081	● 41.081	● 41.081
Trigger gun with safety catch 'Starlet'	● 12.320 2	● 12.320 2	● 12.320 2	● 12.320 2	● 12.320 2
Dirtkiller lance with stainless steel pipe		● 41.073 8			
Turbokiller lance with stainless steel pipe	○ 41.580-05		○ 41.580-05	○ 41.072 3	○ 41.072 7
Flat jet lance with regulating nozzle and stainless steel pipe	● 41.053 2-D2505	● 41.156 2 Vario-Jet	● 41.053 2-D2505	● 41.053 2-D25045	● 41.053 2-D2507
Water intake filter	● 13.310	● 13.310	● 13.310	● 13.310	● 13.310

● Standard equipment ○ Option ● Colour coding indicating nozzle size

The stationary cold water high-pressure cleaners

kränzle HOCHDRUCKREINIGER

Housing made of stainless steel

Total-Stop system with delayed motor cut-out

Coin checking device and remote control for various cleaning programs (Option)

Large stainless steel manometer

Optionally available with flow monitor and direct connection to the water mains (2 - 8 bar) without water tank

or with water tank and connection of water mains (2 - 5 bar) to water tank

Technical specifications	W 11/135	W 13/250	W 15/220	W 19/180
Order no. with flow monitor	**41.312**	**41.308**	**41.309**	**41.310**
Order no. mit water tank	**41.312 1**	**41.308 1**	**41.309 1**	**41.310 1**
Operating pressure, continuously adjustable	30-135 bar / 3-13,5 MPa	30-250 bar / 3-25 MPa	30-220 bar / 3-22 MPa	30-180 bar / 3-18 MPa
Max. admissible overpressure	150 bar / 15 MPa	270 bar / 27 MPa	250 bar / 25 MPa	200 bar / 20 MPa
Water output	11 l/min. (660 l/h)	13 l/min. (780 l/h)	15 l/min. (900 l/h)	19 l/min. (1.140 l/h)
Inlet water temperature	max. 60 °C	max. 60 °C	max. 60 °C	max. 60 °C
Nozzle size, Dirtkiller	042 ●			
Nozzle size, Turbokiller		04 ●	05 ●	07 ●
Nozzle size, flat jet nozzle	20042 ●	2504 ●	2505 ●	2507 ●
Motor speed	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.
Connected load	230 V, 14 A, 50 Hz	400 V, 12 A, 50 Hz	400 V, 12 A, 50 Hz	400 V, 12 A, 50 Hz
Power intake	3,3 kW	7.5 kW	7.5 kW	7.5 kW
Power output	2,4 kW	5.5 kW	5.5 kW	5.5 kW
Weight	60 kg	80 kg	80 kg	80 kg
Dimensions (H x W x D) in mm	780 x 700 x 360	780 x 700 x 360	780 x 700 x 360	780 x 700 x 360

Features and equipment		Order no.		Order no.		Order no.		Order no.
Total-Stop system with delayed motor cut-out	●		●		●		●	
Safety cut-out	●		●		●		●	
Flow monitor	○		○		○		○	
Water tank	○		○		○		○	
Low pressure detergent	●		●		●			
Steel braided high-pressure hose, 20 m NW 8	○	41.083	○	41.083	○	41.083	○	41.083
Steel braided high-pressure hose, 10 m NW 8	●	41.081	●	41.081	●	41.081	●	41.081
Trigger gun with safety catch 'Starlet'	●	12.320 2	●	12.320 2	●	12.320 2	●	12.320 2
Dirtkiller lance with stainless steel pipe	○	41.072 5						
Turbokiller lance with stainless steel pipe			○	41.072	○	41.580-05	○	41.072 7
Flat jet lance with stainless steel pipe	●	12.700-MX20042	●	41.053 2-D2504	●	41.053 2-D2505	●	41.053 2-D2507
Water intake filter	●	13.310	●	13.310	●	13.310	●	13.310
Remote control	○		○		○		○	
Coin checking device with residual value display	○		○		○		○	

● Standard equipment ○ Option ● Colour coding indicating nozzle size

The therm series

Perfection, precision, innovation

The Kränzle therm hot water high-pressure cleaners combine a number of technical innovations developed by Kränzle that contribute towards reliable operation, safety of the machine and not least towards operating and servicing.
The Kränzle therm cleaners are extremely safe to operate, kind to the environment, clean and quiet.

The Kränzle therm HP cleaners represent the state-of-the-art in equipment and safety.

Optical flame monitoring

The oil-heated Kränzle therm cleaners (except for therm CA) are equipped with an optical flame monitoring device. A photocell is located right above the combustion chamber and connected to the central control electronics. If the photocell does not detect a flame, the fuel supply is cut off. This prevents a dangerous build up of unburnt fuel inside the burner. An error message appears in the thermostat display.
(except for therm C).

Operating hours meter

In the digital thermostats of the Kränzle therm hot water HP cleaners (except for therm CA/C) an operating hours counter is integrated.
When either the °C button or the % button are actuated for more than 2 seconds, the respective number of operating hours of the pump and of the burner will be displayed one after the other for approx. 5 seconds which, for example, helps to facilitate determining service intervals.

therm CA

therm C

therm E-M

big therm

therm E-ST

therm ST

Adjustable burner performance

The oil-heated Kränzle therm cleaners (except for therm CA/C) are equipped with a digital thermostat which now allows for 2 modes of operation.

Operation mode 1: Thermostat regulation °C

The target temperature in °C can be adjusted by pressing the buttons (+ -). The thermostat measures the water temperature at the heating coil outlet and causes the burner to either switch on or off in accordance with the operators settings. The outlet water temperature is displayed in °C.

Operation mode 2: Burner output %

Press buttons (+ -) to adjust the amount of time the burner will operate as a percentage. The burner will be switched on and off in accordance with this value.

The actual water temperature is measured at the heating coil outlet and displayed in °C.
The temperature can be raised by increasing the percentage of the time that the burner is operating, or lowered by reducing the percentage.

Once the correct percentage is established, mode 2 has an advantage over mode 1 in that temperatures can be accurately kept at + or - 1°C. This can even be achieved with reduced water quantities and at low temperatures, ideal for example, when washing livestock.

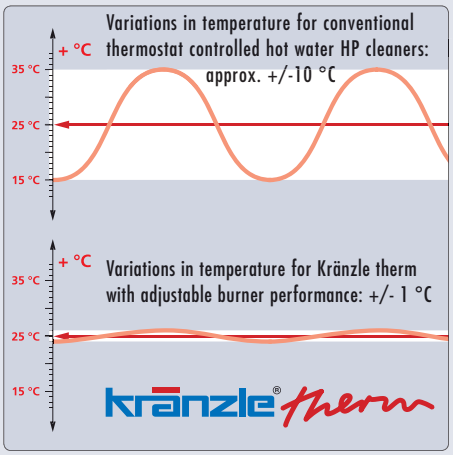
All the settings are saved in the thermostat's memory and are applied when the machine is next used.

The high-pressure cleaners therm C/CA series are equipped with an analogue rotary thermostat (control range 30° C -140° C).

Safety devices

- A pressure control valve for continuously-variable adjustment of water quantity and pressure. This valve also allows for a pressureless by-pass operation.
- A safety valve protecting the machine against excessive overpressure.
- An integrated flow monitor device switches the burner off if the water flow is too low, thus preventing the combustion chamber from overheating.
- A pressure monitoring device only allows the burner to operate if there is sufficient pressure.
- An additional differential pressure switch automatical ly switches the machine to stand-by 30 seconds after the trigger gun is released.
- A thermal overload switches off the machine in case of excessive power consumption.

All components are tried-and-tested, having been used successfully by the million in other systems.



The compact hot water high-pressure cleaners therm CA

kränzle HOCHDRUCKREINIGER

integrated trolley takes steps and rough ground in its stride, large wheels with wide solid rubber tyres

integrated hose drum with foldable crank and 15 m steel braided high-pressure hose

7.5 m power lead with cable reel (CA 11/130: 5 m)

Receptacle for trigger gun with safety catch, and lance with flat jet nozzle

Shock absorbing buffers, front and rear

Technical specifications	therm CA 11/130	therm CA 12/150	therm CA 15/120
Order no. with hose drum	**41.460 1**	**41.461 1**	**41.462 1**
Order no. without hose drum	**41.460**	**41.461**	**41.462**
Operating pressure, continuously adjustable	30-130 bar / 3-13 MPa	30-150 bar / 3-15 MPa	30-120 bar / 3-12 MPa
Max. admissible overpressure	145 bar / 14,5 MPa	170 bar / 17 MPa	135 bar / 13,5 MPa
Water output	11 l/min. (660 l/h)	12 l/min. (720 l/h)	15 l/min. (900 l/h)
Hot water output temperature (water supply 12 °C) continuously adjustable	12 - 80 °C	12 - 80 °C	12 - 80 °C
Steam level	max. 140 °C	max. 140 °C	max. 140 °C
Nozzle size, Turbokiller	045 ●	045 ●	07 ●
Nozzle size, flat jet nozzle	25045 ●	25045 ●	2507 ●
Heating oil consumption at max. heating output	5.1 kg/h (6.1 l/h)	5.4 kg/h (6.4 l/h)	6.0 kg/h (7.1 l/h)
Heating oil consumption at ΔT 45 °	3.2 kg/h (3.8 l/h)	3.5 kg/h (4.1 l/h)	4.3 kg/h (5.1 l/h)
Heating output	55 kW	58 kW	65 kW
Fuel tank with capacity monitoring	25 l	25 l	25 l
Motor speed	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.
Connected load	230 V, 15 A, 50 Hz	400 V, 7.2 A, 50 Hz	400 V, 7.2 A, 50 Hz
Power intake	3.4 kW	3.8 kW	3.8 kW
Power output	2.3 kW	3.0 kW	3.0 kW
Weight with hose drum	171 kg	171 kg	181 kg
Dimensions in mm without hose drum, L x W x H	790 x 590 x 980	790 x 590 x 980	790 x 590 x 980

Features and equipment		Order no.		Order no.		Order no.
Total-Stop system	●		●		●	
Safety cut-out	●		●		●	
Water flow monitoring	●		●		●	
Pre-aeration of combustion chamber	●		●		●	
Low pressure detergent	●		●		●	
Hose drum with HP hose, 15 m NW 8	●	44.152 1	●	44.152 1	●	44.152 1
Steel braided high-pressure hose, 15 m NW 8	●	44.879	●	44.879	●	44.879
Steel braided high-pressure hose, 10 m NW 8	○	44.878	○	44.878	○	44.878
One piece trigger gun with safety catch 'Midi' and lance with flat jet nozzle	●	12.164 1-D25045	●	12.164 1-D25045	●	12.164 1-D2507
Trigger gun with safety catch 'Midi'	○	12.160	○	12.160	○	12.160
Turbokiller lance with stainless steel pipe (with 'Midi' 12.160 only)	○	41.072 3	○	41.072 3	○	41.072 7
Flat jet lance with stainless steel pipe (with 'Midi' 12.160 only)	○	12.392 2-D25045	○	12.392 2-D25045	○	12.392 2-D2507
Parking brake	●		●		●	
Water intake filter	●	13.310	●	13.310	●	13.310

● Standard equipment ○ Option ● Colour coding indicating nozzle size

The compact hot water high-pressure cleaners therm C

integrated trolley takes steps and rough ground in its stride, Large wheels with wide solid rubber tyres

integrated hose drum with foldable crank and 15 m steel braided high-pressure hose

7.5 m power lead with cable reel (C 11/130: 5 m)

Receptacle for trigger gun with safety catch and flat jet nozzle lance

Shock absorbing buffers, front and rear

Technical specifications	therm C 11/130	therm C 13/180	therm C 15/150
Order no. with hose drum	**41.442 1**	**41.441 1**	**41.440 1**
Order no. without hose drum	**41.442**	**41.441**	**41.440**
Operating pressure, continuously adjustable	30-130 bar / 3-13 MPa	30-180 bar / 3-18 MPa	30-150 bar / 3-15 MPa
Max. admissible overpressure	145 bar / 14,5 MPa	200 bar / 20 MPa	170 bar / 17 MPa
Water output	11 l/min. (660 l/h)	13 l/min. (780 l/h)	15 l/min. (900 l/h)
Hot water output temperature (water supply 12 °C) continuously adjustable	12 - 80 °C	12 - 80 °C	12 - 80 °C
Steam level	max. 140 °C	max. 140 °C	max. 140 °C
Nozzle size, Turbokiller	045 ●	045 ●	055 ●
Nozzle size, flat jet nozzle	25045 ●	25045 ●	25055 ●
Heating oil consumption at max. heating output	5.1 kg/h (6.1 l/h)	5.8 kg/h (6.8 l/h)	6.0 kg/h (7.1 l/h)
Heating oil consumption at ΔT 45 °	3.2 kg/h (3.8 l/h)	3.8 kg/h (4.5 l/h)	4.3 kg/h (5.1 l/h)
Heating output	55 kW	60 kW	65 kW
Fuel tank with capacity monitoring	25 l	25 l	25 l
Motor speed	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.
Connected load	230 V, 15 A, 50 Hz	400 V, 8.7 A, 50 Hz	400 V, 8.7 A, 50 Hz
Power intake	3.4 kW	4.8 kW	4.8 kW
Power output	2.3 kW	4.0 kW	4.0 kW
Weight with hose drum	179 kg	179 kg	179 kg
Dimensions in mm without hose drum, L x W x H	790 x 590 x 980	790 x 590 x 980	790 x 590 x 980

Features and equipment		Order no.		Order no.		Order no.
Total-Stop system with delayed motor cut-out	●		●		●	
Safety cut-out	●		●		●	
Water flow monitoring	●		●		●	
Pre-aeration of combustion chamber	●		●		●	
Optical flame monitoring system	●		●		●	
Safety thermostat triggers at emission temperatures above 230°	●		●		●	
4-way safety system with overload protection	●		●		●	
Low fuel cut off for burner	●		●		●	
Low pressure detergent	●		●		●	
Hose drum with HP hose, 15 m NW 8	●	44.152 1	●	44.152 1	●	44.152 1
Steel braided high-pressure hose, 15 m NW 8	●	44.879	●	44.879	●	44.879
Steel braided high-pressure hose, 10 m NW 8	○	44.878	○	44.878	○	44.878
One piece trigger gun with safety catch 'Midi' and lance with flat jet nozzle	●	12.164 1-D25045	●	12.164 1-D25045	●	12.164 1-D25055
Trigger gun with safety catch 'Midi'	○	12.160	○	12.160	○	12.160
Turbokiller lance with stainless steel pipe (with 'Midi' 12.160 only)	○	41.072 3	○	41.072 3	○	41.072 4
Flat jet lance with stainless steel pipe (with 'Midi' 12.160 only)	○	12.392 2-D25045	○	12.392 2-D25045	○	12.392 2-D25055
Parking brake	●		●		●	
Water intake filter	●	13.310	●	13.310	●	13.310

● Standard equipment ○ Option ● Colour coding indicating nozzle size

The big hot water HP-cleaners therm

kränzle HOCHDRUCKREINIGER

Industrie Forum Design Hannover Design Award

Integrated trolley takes steps and rough ground in its stride, large wheels with wide solid rubber tyres

Integrated hose drum with foldable crank and 20 m steel braided high-pressure hose

7.5 m power lead with cable reel, (635-1: 5 m)

Receptacle for trigger gun with safety catch, Turbokiller lance and lance with flat jet nozzle

Parking brake

Technical specifications	therm 635-1	therm 875-1	therm 895-1	therm 1165-1	therm 1525-1
Order no. with hose drum	**41.349 1**	**41.342 1**	**41.352 1**	**41.353 1**	**41.348 1**
Order no. without hose drum	**41.349**	**41.342**	**41.352**	**41.353**	**41.348**
Operating pressure, continuously adjustable	30-130 bar / 3-13 MPa	30-175 bar / 3-17,5 MPa	30-195 bar / 3-19,5 MPa	30-165 bar / 3-16,5 MPa	30-125 bar / 3-12.5 mPa
Max. admissible overpressure	145 bar / 14,5 Mpa	190 bar / 19 MPa	215 bar / 21,5 MPa	180 bar / 18 MPa	140 bar / 14 MPa
Water output	10.6 l/min. (635 l/h)	14.6 l/min. (875 l/h)	14.9 l/min. (895 l/h)	19.4 l/min. (1165 l/h)	25 l/min. (1500 l/h)
Hot water output temperature (water supply 12 °C) continuously adjustable	12 - 80 °C	12 - 80 °C	12 - 80 °C	12 - 80 °C	12 - 65 °C
Steam level	max. 140 °C	max. 140 °C	max. 140 °C	max. 140 °C	max. 140 °C
Nozzle size, Turbokiller	045 ●	045 ●	045 ●	07 ●	
Nozzle size, flat jet nozzle	25045 ●	25045 ●	25045 ●	2507 ●	20125 ●
Heating oil consumption at max. heating output	5.1 kg/h (6.1 l/h)	5.8 kg/h (6.8 l/h)	6.0 kg/h (7.1 l/h)	7.1 kg/h (8.5 l/h)	7.7 kg/h (9.2 l/h)
Heating oil consumption at ΔT 45 °	3.2 kg/h (3.8 l/h)	4.2 kg/h (5.0 l/h)	4.3 kg/h (5.1 l/h)	5.6 kg/h (6.6 l/h)	7.2 kg/h (8.5 l/h)
Heating output	55 kW	60 kW	65 kW	78 kW	84 kW
Fuel tank with capacity monitoring	35 l	35 l	35 l	35 l	35 l
Motor speed	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.
Connected load	230 V, 15 A, 50 Hz	400 V, 8.7 A, 50 Hz	400 V, 12 A, 50 Hz	400 V, 12 A, 50 Hz	400 V, 12 A, 50 Hz
Power intake	3.4 kW	4.8 kW	7.5 kW	7.5 kW	7.5 kW
Power output	2.3 kW	4.0 kW	5.5 kW	5.5 kW	5.5 kW
Weight with hose drum	218 kg	218 kg	223 kg	223 kg	228 kg
Dimensions in mm without hose drum, L x W x H	1050 x 800 x 1000	1050 x 800 x 1000	1050 x 800 x 1000	1050 x 800 x 1000	1050 x 800 x 1000

Features and equipment		Order no.		Order no.		Order no.		Order no.		Order no.
Total-Stop system with delayed motor cut-out	●		●		●		●		●	
Safety cut-out	●		●		●		●		●	
Water flow monitoring	●		●		●		●		●	
Pre-aeration of combustion chamber	●		●		●		●		●	
Optical flame monitoring system	●		●		●		●		●	
Safety thermostat triggers at emission temperatures above 230°	●		●		●		●		●	
4-way safety system with overload protection	●		●		●		●		●	
Low fuel cut off for burner	●		●		●		●		●	
Operating hours meter	●		●		●		●		●	
Low pressure detergent	●		●		●		●		●	
Hose drum with HP hose, 20 m NW 8	●	44.392 1	●	44.392 1	●	44.392 1	●	44.392 1	●	44.392 1
Steel braided high-pressure hose, 20 m NW 8	●	44.381 2	●	44.381 2	●	44.381 2	●	44.381 2	●	44.381 2
Steel braided high-pressure hose, 10 m NW 8	○	41.081	○	41.081	○	41.081	○	41.081	○	41.081
Trigger gun with safety catch 'Starlet'	●	12.320 2	●	12.320 2	●	12.320 2	●	12.320 2	●	12.320 2
Turbokiller lance with stainless steel pipe	○	41.072 3	○	41.072 3	○	41.072 3	○	41.072 7		
Flat jet lance with stainless steel pipe	●	12.392 2-D25045	●	12.392 2-D25045	●	12.392 2-D25045	●	12.392 2-D2507	●	12.392 2-M20125
Parking brake	●		●		●		●		●	
Water intake filter	●	13.310	●	13.310	●	13.310	●	13.310	●	13.310

● Standard equipment ○ Option ● Colour coding indicating nozzle size

The electrically heated hot water HP cleaners therm E-ST, E-M

Housing made of stainless steel

3 m power lead without plug
(E-ST, stationary)

No waiting for hot water tank to heat up.
Post pump continuous flow heating.
Pumps more reliable as fed cold water.

Integrated hose drum with
20 m steel braided high-pressure hose
on mobile units

3 m power lead with plug
(E-M, mobile)

Technical specifications	stationary mobile	therm 601 E-ST 18 therm 602 E-M 18	therm 601 E-ST 24 therm 602 E-M 24	therm 601 E-ST 36 therm 602 E-M 36	therm 871 E-ST 48 therm 872 E-M 48	therm 891 E-ST 48
Order no. E-ST		**41.358 5**	**41.358 6**	**41.358 7**	**41.358 9**	**41.358 8**
Order no. E-M with hose drum		**41.360 1**	**41.361 1**	**41.362 1**	**41.363 1**	
Order no. E-M without hose drum		**41.360**	**41.361**	**41.362**	**41.363**	
Size / Pump		BG 100 / AM	BG 100 / AM	BG 100 / AM	BG 100 / AM	BG 112 / AQ
Operating pressure, continuously adjustable at nozzle size 25045	●	30-100 bar / 3-10 MPa	30-100 bar / 3-10 MPa	30-100 bar / 3-10 MPa		
Operating pressure, continuously adjustable at nozzle size 2503	○	30-160 bar / 3-16 MPa	30-160 bar / 3-16 MPa	30-160 bar / 3-16 MPa		
Operating pressure, continuously adjustable at nozzle size 2505	●				30-170 bar / 3-17 MPa	30-220 bar / 3-22 MPa
Water output at nozzle size 25045	●	10 l/min. (600 l/h)	10 l/min. (600 l/h)	10 l/min. (600 l/h)		
Water output at nozzle size 2503	○	8.6 l/min. (516 l/h)	8.6 l/min. (516 l/h)	8.6 l/min. (516 l/h)		
Water output at nozzle size 2505	●				14.5 l/min. (870 l/h)	15 l/min. (900 l/h)
Hot water output temperature (water supply 12 °C)		60 °C at 32 bar	72 °C at 32 bar	80 °C at 32 bar	80 °C at 32 bar	80 °C at 32 bar
10 l/min of sucked in water are heated by		+ 26 °C	+ 34 °C	+ 50 °C	+ 46 °C bei 14,5 l/min.	+ 46 °C at 15 l/min.
Heating output		18 kW	24 kW	36 kW	48 kW	48 kW
Motor speed		1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.	1,400 r.p.m.
Connected load		400 V, 32,6 A, 50 Hz	400 V, 41,2 A, 50 Hz	400 V, 58,6 A, 50 Hz	400 V, 80 A, 50 Hz	400 V, 80 A, 50 Hz
Wattage		20.6 kW	26.6 kW	38.6 kW	53.5 kW	53.5 kW
Fuse		50 A	63 A	80 A	80 A	80 A
Weight E-ST		130 kg	130 kg	140 kg	140 kg	140 kg
Weight E-M		178 kg	178 kg	178 kg	178 kg	178 kg
Dimensions E-ST in mm (W x D x H)		800 x 650 x 950	800 x 650 x 950	800 x 650 x 950	800 x 650 x 950	800 x 650 x 950
Dimensions E-M without hose drum in mm (L x W x H)		790 x 590 x 980	790 x 590 x 980	790 x 590 x 980	790 x 590 x 980	

Features and equipment		Order no.		Order no.		Order no.		Order no.		Order no.
Total-Stop system with delayed motor cut-out	●		●		●		●		●	
Safety cut-out	●		●		●		●		●	
4-way safety system with overload protection	●		●		●		●		●	
Operating hours meter	●		●		●		●		●	
Low pressure detergent	●		●		●		●		●	
Hose drum with HP hose, 20 m NW 8	●	44.392 1	●	44.392 1	●	44.392 1	●	44.392 1		
Steel braided high-pressure hose, 20 m NW 8	●	44.381 2	●	44.381 2	●	44.381 2	●	44.381 2		
Steel braided high-pressure hose, 10 m NW 8	○	41.081	○	41.081	○	41.081	○	41.081	●	41.081
Trigger gun with safety catch 'Starlet'	●	12.320 2	●	12.320 2	●	12.320 2	●	12.320 2	●	12.320 2
Turbokiller lance with stainless steel pipe	○		○		○		○		○	
Flat jet lance with stainless steel pipe	●		●		●		●		●	
Water intake filter	●	13.310	●	13.310	●	13.310	●	13.310	●	13.310
Remote control	○		○		○		○		○	
Coin checking device with residual value display	○		○		○		○		○	

● Standard equipment ○ Option ● Colour coding indicating nozzle size **Please specify desired operating pressure or nozzle size ordering.**

The stationary hot water high-pressure cleaners ST

kränzle HOCHDRUCKREINIGER

Housing made of stainless steel

Continuously adjustable temperature control via digital thermostat

With integrated operating hours counter for HP pump and fuel pump

Large stainless steel pressure gauge

Switch for detergent pump

Coin checking device and remote control for up to 4 cleaning programs (Option)

Exhaust gas chimney Ø 200 mm

Technical specifications	therm 895 ST	therm 1165 ST
Order no.	**41.352 5**	**41.353 5**
Operating pressure, continuously adjustable	30-195 bar / 3-19.5 MPa	30-165 bar / 3-16.5 MPa
Max. admissible overpressure	215 bar / 21.5 MPa	180 bar / 18 MPa
Water output	14.9 l/min. (895 l/h)	19.4 l/min. (1165 l/h)
Hot water output temperature (water supply 12 °C) continuously adjustable	12 - 80 °C	12 - 80 °C
Steam level	max. 140 °C	max. 140 °C
Nozzle size, flat jet nozzle	25045 ●	2507 ●
Heating oil consumption at max. heating output	6.0 kg/h (7.1 l/h)	7.1 kg/h (8.5 l/h)
Heating oil consumption at ΔT 45 °	4.3 kg/h (5.1 l/h)	5.6 kg/h (6.6 l/h)
Heating output	65 kW	78 kW
Fuel tank with capacity monitoring	25 l	25 l
Motor speed	1,400 r.p.m.	1,400 r.p.m.
Connected load	400 V, 12 A, 50 Hz	400 V, 12 A, 50 Hz
Power intake	7.5 kW	7.5 kW
Power output	5.5 kW	5.5 kW
Weight	235 kg	240 kg
Dimensions (W x D x H) in mm	800 x 650 x 1600	800 x 650 x 1600

Features and equipment		Order no.		Order no.
Total-Stop system with delayed motor cut-out	●		●	
Safety cut-out	●		●	
Water flow monitoring	●		●	
Pre-aeration of combustion chamber	●		●	
Optical flame monitoring system	●		●	
Safety thermostat triggers at emission temperatures above 230°	●		●	
4-way safety system with overload protection	●		●	
Low fuel cut off for burner	●		●	
Operating hours meter	●		●	
Low pressure detergent	●		●	
Steel braided high-pressure hose, 10 m NW 8	●	41.081	●	41.081
Trigger gun with safety catch 'Starlet'	●	12.320 2	●	12.320 2
Turbokiller lance with stainless steel pipe	○	41.072 3	○	41.072 7
Flat jet lance with stainless steel pipe	●	12.392 2-D25045	●	12.392 2-D2507
Water intake filter	●	13.310	●	13.310
Remote control	○		○	
Coin checking device with residual value display	○		○	
Automatic hose reel	○		○	

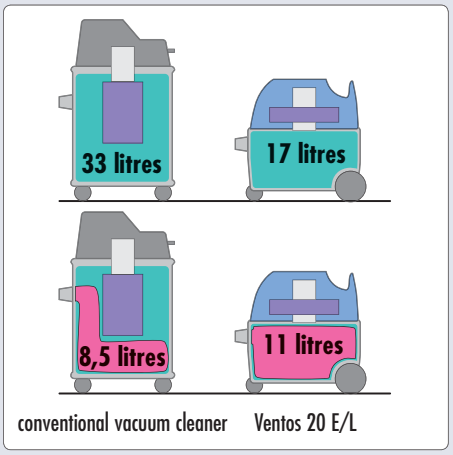
● Standard equipment ○ Option ● Colour coding indicating nozzle size

The Ventos wet/dry vacuum cleaners

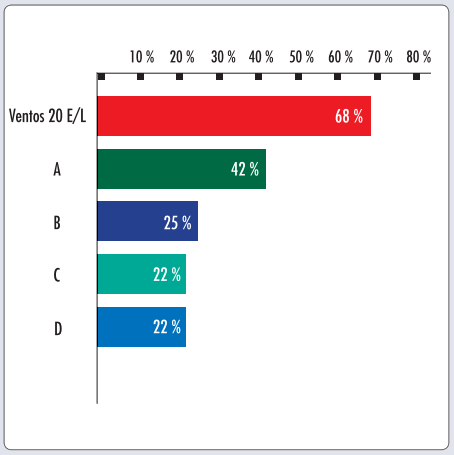
Maximum usable volume for dry vacuuming

The new cutting-edge construction processes maximise the available container capacity for using a filter bag.
The bag can use much more of the space inside the container compared to the filter bags of similar machines.

- drive unit
- filter element
- usable container volume
- real filter bag volume



Comparison: Volume of filter bag in relation to container volume
(A - D: competitors)



Electrical power tool socket with power-up and cut-out delay

The power tool electrical socket enables the direct connection of power tools that have an extraction feature. The switch-on delay causes the vacuum to start after the electric power tool, so preventing current peaks and possible tripping of the fuse during the starting process. The delayed cut-out allows the residual dust to be sucked out of the suction hose. The work area and hose are always left clean when the work is completed.

Filter elements made of PES fibrous web

The filter elements are dirt-repelling, washable and extremely durable. They can be replaced easily without tools.

Electronically adjustable vacuum power control

The suction power control allows the suction to be adjusted to the required level. This makes it impossible for nozzles or power tools to “stick” to smooth surfaces due to too much suction.

Electronic level control

When sucking in liquids 2 electrodes switch off the turbine automatically as soon as the maximum liquid level is reached.

Maximum output

Owing to the installation of a turbine with enhanced performance and maximum efficiency the turbine flow is increased from 3,200 to 3,700 l/min and the vacuum from 200 to 240 mbar compared to previous models. With these values Ventos models range among the top efficiency class.

Accessories storage

The back of the casing is designed as useful storage for accessories. The accessories can be carried on-board and are always to hand for quick and easy exchange.

Exhaust air ventilation connection

The Ventos wet/dry vacuum cleaners feature a blowing function as standard.

Extremely movable and remarkably stable

Due to the compact and rounded design the new Ventos generation can be easily and conveniently carried and moved even on staircases and scaffoldings. The compact structure with its low centre of gravity guarantees a firm foothold even on rough surfaces and during transport in vehicles.

The Ventos wet/dry vacuum cleaners

kränzle HOCHDRUCKREINIGER

Folding ergonomically shaped carrying handle

Power tool electrical socket with switch-on and cut-out delay

Electronic suction power control

7.5 m rubber-coated power lead with cable reel

Big wheels with sturdy axle made of steel

Exhaust air ventilation connection

Technical specifications	Ventos 20 E/L	Ventos 30 E/L
Order no.	**58.391 0**	**58.393 0**
Connected load	230 V, 50/60 Hz	230 V, 50/60 Hz
Power intage / appliance socket	400 - 1200 W / 2400 W	400 - 1200 W / 2400 W
Fuse	16 A	16 A
Volume flow, max. (turbine)	3,700 l/min	3,700 l/min
Vacuum, max. (turbine)	24,000 Pa, 240 mbar	24,000 Pa, 240 mbar
Sound pressure level	72 dB(A)	72 dB(A)
Container volume	17 l	32 l
max. filling volume when vacuuming water	ca. 6 l	ca. 17 l
Protection type	IP x 4	IP x 4
Dust classification	L	L
Weight without accessories	9,4 kg	9,9 kg
Dimensions (L x W x H) in mm	485 x 380 x 445	485 x 380 x 550

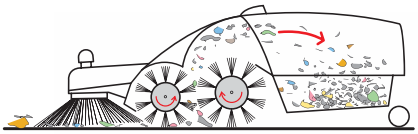
Features and equipment		Order no.		Order no.
Cut-out electrodes	●		●	
Electronic suction power control	●		●	
Power tool socket	●		●	
Exhaust air ventilation connection	●		●	
7.5 m power lead, rubber-coated	●		●	
Suction hose Ø 36 mm x 3.5 m	●	45.281 9	●	45.281 9
Floor nozzle, with separate rubber lips for wet vacuum cleaning	●	58.402 1	●	58.402 1
2 extensions 500 mm each, stainless steel	●	58.403 0	●	58.403 0
Main filter cartridge made of PES web	●	45.440 3	●	45.440 3
1 Dust bag	●	45.440 0 (5-bag-pack)	●	45.440 1 (5-bag-pack)
Hand pipe, angled	●	58.402 9	●	58.402 9
Flat nozzle 300 mm	●	58.402 3	●	58.402 3
Upholstery nozzle	●	58.400 9	●	58.400 9
Dusting brush	●	58.400 8	●	58.400 8

● Standard equipment ○ Option

The Power Sweepers

Kränzle 2 + 2

Hand power sweeper with double-roller hasp principle



TESTSIEGER	
ETM TESTMAGAZIN · URTEIL	
Kränzle Handkehrmaschine 2+2	
SEHR GUT	93,0 %
6 Kehrmaschinen im Vergleichstest	Heft 11/2010

Working width, 800 mm

Counter-rotating side brushes sweep debris to center

Storage bin and housing made of impact-proof plastic

storage bin with a volume of 40 litres

Extra large wheels with natural rubber tyres for optimum transmission of driving force

Ventilation slits on both sides with dust filters

Side brushes and roller brushes made of extremely abrasion-proof nylon

Continuously height adjustable side brushes

space-saving storage due to foldable handle

Weight 16 kg

Order no. 50.076

Kränzle 1 + 1 Profi

Power sweeper working with dustpan principle

ETM TESTMAGAZIN · URTEIL	
Kränzle Handkehrmaschine 1+1	
GUT	90,5 %
6 Kehrmaschinen im Vergleichstest	Heft 11/2010

Working width, 670 mm

Storage bin made of impact-proof plastic with a volume of 40 litres

Housing made of die-casted aluminium

Extra large wheels with natural rubber tyres for optimum transmission of driving force

Rotating side brush

Side brushes and roller brushes made of extremely abrasion-proof nylon

Continuously adjustable locking of side brush and roller brush

Weight 24 kg

Order no. 50.077

Accessories
high-pressure cleaners

	K 7/120, Silent 120	K 10/120, HD 12/130	K 1151, K 1151 T	K 2160 TS T, K 2175 TS T	K 2195 TS T	Profi 160 TS T, Profi 175 TS T	Profi 195 TS T	Profi 15/120 TS T	quadro 11/140 TS T, 12/150 TS T	quadro 9/170 TS T	quadro 599 TS T	quadro 799 TS T	quadro 899 TS T	quadro 800 TS T	quadro 1000 TS T	quadro 1200 TS T	quadro 1500 TS T	D 30/180 TS T	D 26/250 TS T	Profi-Jet B 13/150, B 16/220	Profi-Jet B 10/200	Profi-Jet B 20/220	Profi-Jet B 16/250	B 170 T, B 240 T, B 270 T	B 200 T	B 230 T	therm CA 11/130 - 12/150	therm CA 15/120	therm C 11/130 - 13/180	therm C 15/150	therm 635-1, 875-1, 895-1	therm 1165-1	therm 1525-1
The floor cleaner "flat cleaner" - with 120 mm extension - max. 19 l/min. - max. 220 bar - max. 60 °C - only nozzle size 15045 possible specify type of appliance when ordering Order no. 41.093 1		●	●	●		●			●		●	●								●	●				●		●		●		●		
The floor cleaners "round cleaner" - Ø 300 mm - max. 12 l/min. - max. 180 bar - max. 60 °C - Nozzle size MA15028 as standard please specify type of appliance when ordering UFO short Order no. 41.855 UFO long Order no. 41.850		●	●	●	●	●	●		●	●	●																●		●				
- Ø 300 mm - stainless steel - max. 12 l/min. - max. 250 bar - max. 60 °C - 2 nozzles, size D0002 as standard please specify type of appliance when ordering Order no. 41.105		●	●	●	●	●	●		●	●	●										●						●		●				
- Ø 420 mm - stainless steel - max. 19 l/min. - max. 250 bar - max. 60 °C - 2 nozzles, size D0002 as standard please specify type of appliance when ordering Order no. 41.106		●	●	●		●		●	●		●	●	●	●	●	●				●	●		●	●	●		●	●	●	●	●	●	
- Brush-Round cleaner - Ø 420 mm - stainless steel - with rotating brush, additional feature - max. 19 l/min. - max. 250 bar - max. 60 °C - 2 nozzles, size D0002 as standard please specify type of appliance when ordering Order no. 41.109		●	●	●		●		●	●	●	●	●	●	●	●	●				●	●		●	●	●		●	●	●	●	●	●	
- Ø 520 mm - stainless steel - max. 19 l/min. - max. 250 bar - max. 60 °C - 2 nozzles, size D0002 as standard please specify type of appliance when ordering Order no. 41.107		●	●	●		●		●	●	●	●	●	●	●	●	●				●	●		●	●	●		●	●	●	●	●	●	

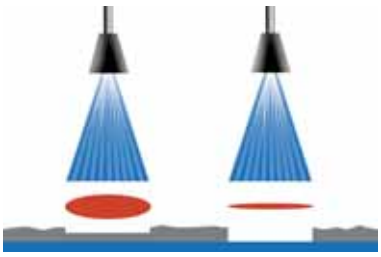
Accessories high-pressure cleaners

	K 7/120, 10/120, HD 9/80, 12/130	Silent 120, K 1151	K 1151 T	K 2160 - K 2175 TS	K 2160 - K 2175 TS T	Profi 160 - 15/120 TS T	quadro 11/140 - 9/170 TS T	quadro 599 TS T, 799 TS T	quadro 899 TS T	quadro 1000 - 1500 TS	quadro 800 - 1500 TS T	D 30/180, D 26/250 TS T	Profi-Jet B 13/150, B 10/200	Profi-Jet B 16/220, B 20/220	Profi-Jet B 16/250	B 170 T - B 230 T	B 270 T	therm CA ohne Trommel	therm CA mit Trommel	therm C ohne Trommel	therm C mit Trommel	große therm ohne Trommel	große therm mit Trommel
Steel braided high-pressure hoses																							
10 m, NW 6, 210 bar, 1SN Order no. 43.416	●	●		●																			
15 m, NW 6, 210 bar, 1SN Order no. 40.170			●				●																
15 m, NW 6, 210 bar, 1SN Order no. 48.015					●																		
15 m, NW 6, 210 bar, 1SN Order no. 43.829						●																	
20 m, NW 6, 210 bar, 1SN Order no. 43.416 1	●	●		●				●					●										
10 m, NW 8, 230 bar, 1SN Order no. 44.878	●	●		●						●			●	●				●		●		●	
15 m, NW 8, 230 bar, 1SN Order no. 44.879	●	●		●					●	●			●	●				●	●	●	●	●	
10 m, NW 8, 400 bar, 2SN Order no. 41.081	●	●		●						●			●	●	●			●		●		●	
20 m, NW 8, 400 bar, 2SN Order no. 41.083	●	●		●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
20 m, NW 8, 400 bar, 2SN Order no. 44.381 2																							●
25 m, NW 8, 400 bar, 2SN Order no. 41.084										●	●	●	●	●	●	●	●	●	●	●	●	●	
30 m, NW 8, 400 bar, 2SN Order no. 41.080										●	●	●	●	●	●	●	●	●	●	●	●	●	
Steel braided high-pressure hoses, for utilisation in the food processing industry																							
10 m, NW 6, 210 bar, 1SN Order no. 43.416 2	●	●		●																			
15 m, NW 6, 210 bar, 1SN Order no. 40.170 1			●				●																
15 m, NW 6, 210 bar, 1SN Order no. 48.015 1					●																		
15 m, NW 6, 210 bar, 1SN Order no. 43.829 1						●																	
20 m, NW 6, 210 bar, 1SN Order no. 43.416 3	●	●		●				●					●										
10 m, NW 8, 400 bar, 2SN Order no. 41.081 1	●	●		●						●			●	●	●			●		●		●	
15 m, NW 8, 400 bar, 2SN Order no. 41.082 1	●	●		●					●	●			●	●	●			●	●	●	●	●	
20 m, NW 8, 400 bar, 2SN Order no. 41.083 1	●	●		●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
20 m, NW 8, 400 bar, 2SN Order no. 44.381 3																							●
25 m, NW 8, 400 bar, 2SN Order no. 41.084 1										●	●	●	●	●	●	●	●	●	●	●	●	●	
30 m, NW 8, 400 bar, 2SN Order no. 41.080 1										●	●	●	●	●	●	●	●	●	●	●	●	●	
Hose connection Order no. 13.286	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Screw connection, rotatable Order no. 13.360 2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adapter M 22, pivotable, for hose drum 41.259, as of 07/08 Order no. 13.250																							●
Hose drum - retrofit kits																							
- with 15 m steel braided high-pressure hose for 1151/Silent as of May/2009 Order no. 40.184 2		●																					
for K 2000 series Order no. 48.100 1				●																			
- with steel braided high-pressure hose, for therm CA/C, 15 m, 230 bar Order no. 44.152 1																		●		●			
for therm big series, 20 m, 400 bar Order no. 44.392 1																						●	
for Profi-Jet series, 20 m, 400 bar Order no. 41.259 1													●	●	●								
Automatic hose reel - Stainless steel finish - with automatic spring pull-back - max. 100 °C for 20 m HP hose NW 8 Order no. 41.259 7								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
for 30 m HP hose NW 8 Order no. 41.259 8								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Wall mounts - Stainless steel finish - swivelling for automatic hose reel 20 m Order no. 41.260 1								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
for automatic hose reel 30 m Order no. 41.260 2								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adapter - for direct connection to the chimney Ø 200 mm, suitable for all therm appliances Order no. 44.192																		●	●	●	●	●	●

	K 7/120, Silent 120	HD 9/80, HD 12/130	K 10/120, K 1151, K 1151 T	K 2160 TS T, K 2175 TS T	K 2195 TS T	Profi 160 TS T, Profi 175 TS T	Profi 195 TS T	Profi 15/120 TS T	quadro 11/140 TS T, 12/150 TS T	quadro 9/170 TS T	quadro 599 TS T - 899 TS T	quadro 800 TS T - 1200 TS T	quadro 1500 TS T	D 30/180 TS T, D 26/250 TS T	Profi-Jet B 13/150, B 10/200	Profi-Jet B 16/220, B 16/250	Profi-Jet B 20/220	B 170 T, B 240 T	B 200 T, B 270 T	B 230 T	therm CA 11/130 - CA 15/120	therm C 11/130 - C 15/150	therm 635-1 - 1165-1	therm 1525-1
Pipe cleaning hose with nozzle - 10 m Order no. 41.058 1 - 15 m Order no. 41.058 - 20 m Order no. 41.058 2 - 25 m Order no. 41.058 3 - 30 m Order no. 41.058 4 - Nozzle size KN 045 as standard - with additional front bore: same order no. with addition of the letter - F -, e.g. "41.058 F" Option: Ball head nozzle (KK) or rotating pipe cleaning nozzle (KNR) available against surcharge together with reducing ring ord.no. 12.021 please specify type of appliance when ordering		●	●	●		●		●	●		●	●			●	●	●	●	●	●	●	●	●	
Suction hose - hose length 3 m, with suction filter Order no. 15.038 3	●	●		●	●	●	●	●							●	●	●	●	●	●				
Dust and water vacuuming set - min. 10 l/min. - min. 120 bar - hose length 3 m - Nozzle size D00045 as standard please specify type of appliance when ordering Order no. 41.096		●	●	●		●		●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sludge sucker - hose length 3 m - Nozzle size D00045 as standard please specify type of appliance when ordering Order no. 41.104		●	●	●		●		●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●
- Stainless steel finish - Length 2 m - Nozzle size D00045 as standard please specify type of appliance when ordering Order no. 41.801		●	●	●		●		●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●
- Square sludge sucker attachment Order no. 41.802		●	●	●		●		●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sandblaster set - max. 19 l/min, max. 250 bar - for blasting material from 0.2 - 2 mm - Nozzle size D00045 as standard please specify type of appliance when ordering Order no. 41.068		●	●	●		●		●	●		●	●			●	●		●	●		●	●	●	
Water intake filter - with union nut, water outlet made of brass Order no. 13.310	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
- with union nut, water inlet and outlet made of brass Order no. 13.300 3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Universal wall bracket for accessories "Butler" NEW Supply without accessories Order no. 41.262	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Accessories high-pressure cleaners

The Kränzle knife jet nozzle



Nozzle comparison:

Left:
normal flat jet nozzle

Right:
The Kränzle knife-jet nozzle (M) with significantly narrower profile

The impact area of the high-pressure water jet is approx. three quarters narrower compared to conventional flat jet nozzles. Thus the same pressure takes affect on a quarter of the former impact area, leading to a 4 times bigger impact pressure and an enormously increased cleaning efficiency.

Flat jet lances with stainless steel pipe

				K 7/120, Silent 120	K 10/120, HD 9/80, HD 12/130	K 1151, K 1151 T	K 2160 TS T, K 2175 TS T	K 2195 TS T	Profi 160 TS T, Profi 175 TS T	Profi 195 TS T	Profi 15/120 TS T	quadro 11/140 TS T, 12/150 TS T	quadro 9/170 TS T	quadro 599 TS T	quadro 799 TS T	quadro 899 TS T	quadro 800 TS T	quadro 1000 TS T	quadro 1200 TS T	quadro 1500 TS, 1500 TS T	D 30/180 TS T	D 26/250 TS T	Profi-Jet B 13/150, B 16/220	Profi-Jet B 10/200	Profi-Jet B 20/220	Profi-Jet B 16/250	B 170 T, B 240 T	B 200 T, B 270 T	B 230 T	therm CA 11/130 - 12/150	therm CA 15/120	therm C 11/130 - 13/180	therm C 15/150	therm 635-1, 875-1, 895-1	therm 1165-1	therm 1525-1
Nozzle M20028	400 mm		Order no. 12.392 5-M20028	●																																
Nozzle M2003	400 mm		Order no. 12.392 5-M2003					●		●			●											●												
Nozzle M20042	400 mm		Order no. 12.392 5-M20042		●	●	●		●																											
Nozzle M20045	400 mm		Order no. 12.392 5-M20045									●			●										●		●		●		●		●			
Nozzle M2003	500 mm		Order no. 12.393-M2003					●		●			●											●												
Nozzle M20042	500 mm		Order no. 12.393-M20042		●	●	●		●																											
Nozzle M2007	500 mm		Order no. 12.393-M2007								●							●							●				●		●				●	
Nozzle M20035	600 mm		Order no. 12.392 2-M20035											●																						
Nozzle M20045	600 mm		Order no. 12.392 2-M20045									●			●										●		●		●		●		●			
Nozzle D2504	600 mm		Order no. 12.392 2-D2504														●																			
Nozzle D25045	600 mm		Order no. 12.392 2-D25045									●			●										●		●		●		●		●			
Nozzle D2505	600 mm		Order no. 12.392 2-D2505															●				●				●										
Nozzle D2506	600 mm		Order no. 12.392 2-D2506													●																				
Nozzle D2507	600 mm		Order no. 12.392 2-D2507								●								●						●				●		●				●	
Nozzle M2008	600 mm		Order no. 12.392 2-M2008																		●															
Nozzle M2010	600 mm		Order no. 12.392 2-M2010																	●																
Nozzle M2011	600 mm		Order no. 12.392 2-M2011																	●																
Nozzle M20125	600 mm		Order no. 12.392 2-M20125																		●															●

Flat jet lances with stainless steel pipe and regulating nozzle

Nozzle D2504	400 mm		Order no. 41.053 2-D2504														●																			
Nozzle D25045	400 mm		Order no. 41.053 2-D25045									●			●										●		●		●		●		●			
Nozzle D2505	400 mm		Order no. 41.053 2-D2505															●				●				●										
Nozzle D25055	400 mm		Order no. 41.053 2-D25055																													●				
Nozzle D2507	400 mm		Order no. 41.053 2-D2507								●								●						●				●		●				●	

Flat jet lances with stainless steel pipe and regulating nozzle

Dirtkiller lances with stainless steel pipe

- max. 15 l/min.
- max. 185 bar
- max. 70 °C

Turbokiller lances with stainless steel pipe

- max. 25 l/min.
- max. 250 bar
- max. 80 °C

				K 7/120, Silent 120	K 10/120, HD 9/80, HD 12/130	K 1151, K 1151 T	K 2160 TS T, K 2175 TS T	K 2195 TS T	Profi 160 TS T, Profi 175 TS T	Profi 195 TS T	Profi 15/120 TS T	quadro 11/140 TS T, 12/150 TS T	quadro 9/170 TS T	quadro 599 TS T	quadro 799 TS T	quadro 899 TS T	quadro 800 TS T	quadro 1000 TS T	quadro 1200 TS T	quadro 1500 TS, 1500 TS T	D 30/180 TS T	D 26/250 TS T	Profi-Jet B 13/150, B 16/220	Profi-Jet B 10/200	Profi-Jet B 20/220	Profi-Jet B 16/250	B 170 T, B 240 T	B 200 T, B 270 T	B 230 T	therm CA 11/130 - 12/150	therm CA 15/120	therm C 11/130 - 13/180	therm C 15/150	therm 635-1, 875-1, 895-1	therm 1165-1	therm 1525-1
Vario-Jet nozzle 03	400 mm	○	Order no. 41.156 2	●				●		●			●											●												
Vario-Jet nozzle 042	400 mm	●	Order no. 41.156		●	●	●		●																											
Vario-Jet nozzle 055	400 mm	●	Order no. 41.156 1																													●				
Nozzle MX20042	400 mm	●	Order no. 12.700-MX20042		●	●	●		●																											
Nozzle 028	400 mm	●	Order no. 41.571-028	●																																
Nozzle 03	400 mm	○	Order no. 41.073 8					●		●			●											●												
Nozzle 042	400 mm	●	Order no. 41.072 5		●	●	●		●																											
Nozzle 045	400 mm	●	Order no. 41.571-045									●			●															●		●		●		
Nozzle 055	400 mm	●	Order no. 41.0726																														●			
Nozzle 03	500 mm	○	Order no. 41.570-03					●		●			●											●												
Nozzle 042	500 mm	●	Order no. 41.570-042		●	●	●		●																											
Nozzle 07	500 mm	●	Order no. 41.570-07								●								●						●				●		●					●	
Nozzle 035	600 mm	●	Order no. 46.150											●																						
Nozzle 045	600 mm	●	Order no. 46.150 1									●			●															●		●		●		
Nozzle 06	600 mm	●	Order no. 46.150 2													●																				
Nozzle 04	600 mm	●	Order no. 41.072														●																			
Nozzle 045	600 mm	●	Order no. 41.072 3									●			●											●		●		●		●		●		
Nozzle 05	600 mm	●	Order no. 41.580-05															●				●					●									
Nozzle 055	600 mm	●	Order no. 41.072 4																													●				
Nozzle 07	600 mm	●	Order no. 41.072 7								●								●					●					●		●					●	
Nozzle 08	600 mm	●	Order no. 41.072 8																		●															
Nozzle 10	600 mm	●	Order no. 41.580-10																	●																
Nozzle 11	600 mm	●	Order no. 41.580-11																	●																

Accessories high-pressure cleaners

	K 7/120, Silent 120	K 10/120, HD 9/80, HD 12/130	K 1151, K 1151 T	K 2160 TS T, K 2175 TS T	K 2195 TS T	Profi 160 TS T, Profi 175 TS T	Profi 195 TS T	Profi 15/120 TS T	quadro 11/140 TS T, 12/150 TS T	quadro 9/170 TS T	quadro 599 TS T	quadro 799 TS T	quadro 899 TS T	quadro 800 TS T	quadro 1000 TS T	quadro 1200 TS T	quadro 1500 TS T	D 30/180 TS T	D 26/250 TS T	Profi-Jet B 13/150, B 16/220	Profi-Jet B 10/200	Profi-Jet B 20/220	Profi-Jet B 16/250	B 170 T, B 240 T	B 200 T, B 270 T	B 230 T	therm CA 11/130 - 12/150	therm CA 15/120	therm C 11/130 - 13/180	therm C 15/150	therm 635-1, 875-1, 895-1	therm 1165-1	therm 1525-1
Double lances for continously adjustable pressure control at the lance 1st nozzle opened = high-pressure, 1st + 2nd nozzle opened = low pressure for increased washing performance Low pressure nozzle D3035 standard, please order HP nozzle separately please specify type of appliance when ordering	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
 660 mm with ISO handle — Order no. 12.131 1 1000 mm with ISO handle — Order no. 12.131																																	
short — Order no. 12.131 5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
 660 mm without ISO handle — Order no. 12.131 6 1000 mm without ISO handle — Order no. 12.131 7	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Trigger guns with safety catch 'Midi'																																	
short — Order no. 12.164 4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●
with extension 360 mm — Order no. 12.160	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●
 one piece with flat jet lance D25045 — Order no. 12.164 1-D25045									●		●											●		●		●		●		●			
with flat jet lance D25055 — Order no. 12.164 1-D25055																													●				
with flat jet lance D2507 — Order no. 12.164 1-D2507								●								●					●				●		●				●		
Trigger guns with safety catch 'Starlet'																																	
short — Order no. 12.327 1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
with extension 360 mm — Order no. 12.320 2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
 one piece with flat jet lance M2008 — Order no. 12.320 3-M2008																			●														
with flat jet lance M20125 — Order no. 12.320 3-M20125																		●															●
Spray guard Order no. 41.052	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

	K 7/120, Silent 120	K 10/120, HD 9/80, HD 12/130	K 1151, K 1151 T	K 2160 TS T, K 2175 TS T	K 2195 TS T	Profi 160 TS T, Profi 175 TS T	Profi 195 TS T	Profi 15/120 TS T	quadro 11/140 TS T, 12/150 TS T	quadro 9/170 TS T	quadro 599 TS T	quadro 799 TS T	quadro 899 TS T	quadro 800 TS T	quadro 1000 TS T	quadro 1200 TS T	quadro 1500 TS T	D 30/180 TS T	D 26/250 TS T	Profi-Jet B 13/150, B 16/220	Profi-Jet B 10/200	Profi-Jet B 20/220	Profi-Jet B 16/250	B 170 T, B 240 T	B 200 T, B 270 T	B 230 T	therm CA 11/130 - 12/150	therm CA 15/120	therm C 11/130 - 13/180	therm C 15/150	therm 635-1, 875-1, 895-1	therm 1165-1	therm 1525-1
Detergent injectors																																	
with lance, regulating nozzle 028 — Order no. 13.376 7	●																																
with lance, regulating nozzle 042 — Order no. 13.376 6		●																															
Foam lances with stainless steel pipe - 500 mm for high-pressure cleaners with injector — Order no. 41.070	●	●	●	●	●															●	●	●	●	●	●	●							
- 500 mm for high-pressure cleaners with water tank — Order no. 41.070 0						●	●	●	●	●	●	●	●	●	●	●	●										●	●	●	●	●	●	●
Underbody lance with stainless steel pipe - with extension, 800 mm - Nozzle size D2507 as standard please specify type of appliance when ordering — Order no. 41.075	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Toilet cleaning lance with stainless steel pipe - Nozzle size D25045 as standard please specify type of appliance when ordering — Order no. 41.076	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Lance extensions with stainless steel pipe - 400 mm — Order no. 15.004 1 - 1000 mm — Order no. 41.154	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Cleaning brushes - Rotating washing brush with 400 mm extension made of stainless steel - max. 20 bar - max. 35 °C - min. 10 l/min. - max. 20 l/min. — Order no. 41.050 1		●	●	●		●		●	●		●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	
Flat brush — Order no. 41.073	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Washing brush, transverse M 22 x 1.5 outside thread — Order no. 41.050 0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Accessories high-pressure cleaners

		K 7/120, Silent 120	K 10/120, HD 9/80, HD 12/130	K 1151, K 1151 T	K 2160 - 2175 TS T	Profi 160 - 15/120 TS T	quadro 11/140 - 9/170 TS T	quadro 599 - 799 TS T	quadro 899 TS T	quadro 800 - 1200 TS T	quadro 1500 TS T	D 30/180 TS T, D 26/250 TS T	Profi-Jet B 13/150	Profi-Jet B 10/200	Profi-Jet D 16/220	Profi-Jet B 16/250	B 170 T - B 240 T	B 200 T - B 270 T	B 230 T	therm CA 11/130 - 15/120	therm C 11/130 - 15/150	therm 635-1 - 1525-1
Machines suitable for use in the food processing industry																						
	- white rubber tyres, - Steel braided high-pressure hose, grey-blue																					
	K 1151 T, K 2160 - K 2175 TS T add. Order no. 30.004			●	●																	
	Profi 160 - 15/120 TS T add. Order no. 30.013					●																
	quadro 11/140 - 9/170 TS T add. Order no. 30.0031						●															
	quadro 599 - 799 TS T add. Order no. 30.010							●														
	quadro 899 TS T, therm CA/C add. Order no. 30.010 1								●											●	●	
	quadro 800 - 1500 TS T, therm-1-serie add. Order no. 30.003									●	●											●
Detergent																						
	Moss & Algae Removing concentrate - 1 l Order no. 41.270 - 12 x 1 l Order no. 41.299	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Decalcifying concentrate - 1 l Order no. 41.258 0 - 12 x 1 l Order no. 41.257 0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Foam cleaner Alfa Plus - 5 l Order no. 41.270 0 - 25 l Order no. 41.270 9 - 200 l barrel (special order) Order no. 44.100 3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Universal cleaner Alfa Neutral - 5 l Order no. 41.258 9 - 25 l Order no. 41.258 8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Special cleaner Alfa Marine - 5 l Order no. 41.258 4 - 25 l Order no. 41.258 3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Cleaning powder Carclin - 4 kg Order no. 41.258 7 - 20 kg Order no. 41.267	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Non-return valve with anti-vacuum device Order no. 41.016 4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Ball cock with 2 x ST 30 screw connection Order no. 13.291 2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Frame assembly kit made of aluminium, for crane transport, suitable for all therm + quadro appliances loadable up to max. 280 kg Order no. 44.298						●	●	●	●	●	●					●	●	●	●	●	●

Accessories
wet and dry vacuum cleaner Ventos

Floor nozzle

with separate rubber lips for wet vacuum cleaning

Order no. 58.402 1

Insert for floor nozzle with brush strips at the front and rubber lips at the back

Order no. 58.401 6

Floor nozzle, 450 mm, aluminium

for cleaning of large surfaces with brush attachment and rubber lip

Order no. 58.402 8

Brush insert 450 mm for aluminium floor nozzle, 2 parts

Order no. 58.402 7

Rubber lip insert 450 mm for aluminium floor nozzle, 2 parts

Order no. 58.402 6

Carpet nozzle (reversible)

for cleaning of carpets and smooth surfaces

Order no. 58.401 8

Turbo brush

with revolving brush for cleaning of carpets

Order no. 58.402 4

Slanted nozzle, rubber

flexible nozzle for cleaning hard-to-reach areas

Order no. 58.402 2

Flat nozzle, 300 mm

for cleaning narrow spaces

Order no. 58.402 3

Broad nozzle

for cleaning hard-to-reach narrow spaces

Order no. 58.401 2

Upholstery nozzle

for cleaning of textile surfaces

Order no. 58.400 9

Universal brush nozzle

for simultaneous brushing and vacuum cleaning

Order no. 58.401 7

Suction brush

for smooth vacuuming of delicate surfaces

Order no. 58.400 8

Suction curry-comb

especially for animal care

Order no. 58.401 9

Suction brush

especially for animal care

Order no. 58.402 0

Extension 2 x 500 mm, stainless steel

Order no. 58.403 0

Extension 1 x 500 mm plastic

Order no. 58.401 1

Hand pipe, angled, stainless steel

Order no. 58.401 5

Hand pipe, angled, plastic

Order no. 58.402 9

Suction hose DN 36 x 3.5 m

Order no. 45.281 9

Adapter

for suction hose DN 36 for connection to electrical machines with extraction feature

Order no. 58.400 6

Suction hose DN 27 x 3.5 m

for connection to electrical machines with extraction feature

Order no. 58.408 0

Hose connection

for connection of two suction hoses DN 36

Order no. 58.404 3

Dust bag

(5-bag-pack) Ventos 20 E/L

Order no. 45.440 0

Dust bag

(5-bag-pack) Ventos 30 E/L

Order no. 45.440 1

Main filter cartridge made of PES web Ventos 20 E/L, 30 E/L

Order no. 45.440 3

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I. Kränzle GmbH Elpke 97 D - 33605 Bielefeld Telefon + 49 (0) 5 21 / 9 26 26 - 0 Telefax + 49 (0) 5 21 / 9 26 26 40 - info@kraenzle.com

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