

HDS 13/20-4S EASY!

The HDS 13/20-4 S is the most powerful hot water high-pressure cleaner in the Super class and is fitted with a 4-pole, water-cooled electric motor and large LED display.



1 LED display

- Clearly arranged centrally on the control panel (HDS 13/20).
- Fuel, cleaning agent, system maintenance indicators.

2 Storage

- Roomy storage compartment for cleaning agents, gloves and tools.
- Within easy reach for left-handed or right-handed users and ideal for two-lance operation.

3 Detergent dosing unit

- Precise dosing valve ensures low consumption.
- Easy changeover between cleaning agent tanks 1 and 2.

4 Save energy and time: EASY!Force high-pressure guns and EASY!Lock quick-release locks.

- At last – work without getting tired: the EASY!Force high-pressure gun.
- EASY!Lock quick-release locks: durable and robust. And five times faster than screws.

HDS 13/20-4S EASY!, 1.071-928.0, 2017-03-21

TECHNICAL DATA AND EQUIPMENT

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HDS 13/20-4S EASY!

- 2-lance operation possible
- Electronic service control with flame monitor
- LED for level and operating hour display

Technical data

Order No.		1.071-928.0
EAN code		4054278140483
Type of current	**Ph / V / Hz**	3 / 420 / 50
Flow rate	**l/h**	650–1300
Pressure	**bar / MPa**	30–200 / 3–20
Max. temperature	**°C**	80 / 155
Power rating	**kW**	9,3
Fuel oil consumption, full load	**kg/h**	8,3
Fuel tank	**l**	25
Weight	**kg**	186
Dimensions (L x W x H)	**mm**	1330 × 750 × 1060

Equipment

Trigger gun		EASY!Force Advanced	**Electronic service control with LED display**	■
High-pressure hose	**m**	10 / Longlife	**Two detergent tanks**	■
Spray lance	**mm**	1050	**Dry-running protection**	■
Power nozzle		■		
Servo Control		–		
Anti-twist system		–		
Three-piston axial pump		with ceramic piston		
Pressure cut-off		■		
Optional two-lance operation		■		
Pole reversing plug (3-phase)		■		
SDS system		■		

■ **Included in delivery.**

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ACCESSORIES FOR HDS 13/20-4S EASY!
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		Order No.	ID	Max. working pressure	Length		Price	Description	
Standard with unions on both sides									
High-pressure hose, 10 m DN 8, AVS trigger gun connector	1	6.110-031.0	ID 8	315 bar	10 m			10 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	▲
High-pressure hose, 15 m DN 8, AVS trigger gun connector	2	6.110-030.0	ID 8	315 bar	15 m			15 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	▲
High-pressure hose, 20 m DN 8, AVS trigger gun connector	3	6.110-032.0	ID 8	315 bar	20 m			20 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	▲
High-pressure hose, 30 m DN 8, including rotary coupling	4	6.110-014.0	ID 8	315 bar	30 m			With rotary coupling, 2 x M 22 x 1.5	▲
Food industry version with unions on both sides									
High-pressure hose, 10 m ID 8, suitable for food industry, extension piece	5	6.110-051.0	ID 8	250 bar	10 m			10 m high-pressure hose (DN 8) with patented (rotating) AVS trigger gun connector. Non-discolouring outer layer for use in the food industry. M 22 x 1.5 with anti-kink sleeve.	▲
High-pressure hose, 20 m ID 8, suitable for food industry, extension piece	6	6.110-052.0	ID 8	250 bar	20 m			20 m high-pressure hose (DN 8) with swivel coupling. Non-discolouring outer layer for use in the food industry. Connectors at both ends, M 22 x 1.5, with kink protection. NW 8/155°C/250 bar.	▲
Longlife food industry version with unions on both sides									
High pressure hose food ID 8 / 10 m	7	6.110-053.0	ID 8	400 bar	10 m			Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With rotary coupling, 2 x M 22 x 1,5	▲
Longlife 400 with unions on both sides									
High-pressure hose packaged	8	6.110-038.0	ID 8	400 bar	10 m				■
High-pressure hose 1.5 m, ID 8, including connectors	9	6.110-024.0	ID 8	400 bar	1,5 m			1.5 m high-pressure hose (DN 8, M 22 x 1.5) with kink protection and connectors at both ends. For connecting to hose reels with appropriate connector (M 22 x 1.5).	□
Special hoses									
High-pressure hose 1.5 m, ID 8, including connectors, outlet bend	10	6.110-068.0	ID 8	400 bar	1,5 m				□

■ Included in delivery. □ Available accessories. ▲ Extension hose.

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		Order No.	Flow rate				Price	Description	
Trigger guns									
Extended easy press trigger gun	1	4.118-005.0						Extended easy press high-pressure trigger gun for high-pressure hoses with rotating connector.	■
Servo Control									
Servo control	2	4.118-009.0	1100 l/h						□
Quick connect									
Quick-fitting pipe union coupler trapezo	3	2.115-000.0							□
Quick-fitting pipe union plug nipple tra	4	2.115-001.0							□

■ Included in delivery. □ Available accessories. ▲ Extension hose.

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1-4

		Order No.	Nozzle size				Price	Description	
Power nozzle spray angle 25°									
Power nozzle TR for replacement 25070	1	2.113-028.0	70						■
HP nozzle spray angle 0°									
High-pressure nozzle spray angle °0	2	2.113-037.0	75					High-pressure nozzle with powerful jet for extremely stubborn dirt.	□
Power nozzle spray angle 15°									
Power nozzle spray angle 15°	3	2.113-049.0	70					Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	□
Power nozzle spray angle 40°									
Power nozzle spray angle 40°	4	2.113-056.0	75					Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	□

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		Order No.	Max. working pressure	Length			Price	Description	
Rotating spray lances									
1050 mm lance, rotatable, ergonomic	1	4.112-000.0	300 bar	1050 mm				1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	■
Lance 250 mm, non-rotatable	2	4.112-027.0	300 bar	250 mm					□
550 mm lance, non-rotatable	3	4.112-024.0	300 bar	400 mm					□
Rotatable lance, 600 mm, ergonomic	4	4.112-007.0	300 bar	600 mm				600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Lance 850 mm, rotatable, ergonomic	5	4.112-006.0	300 bar	840 mm				850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Lance 1550 mm, rotatable, ergonomic	6	4.112-018.0	300 bar	1550 mm				1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Lance 2050 mm, rotatable, ergonomic	7	4.112-021.0	300 bar	2050 mm				2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Double lance									
Double lance 960 mm	8	6.394-665.0	310 bar	960 mm				960 mm double lance for variable pressure adjustment on handle at full water flow rate. Suitable for agricultural use (e.g. stable cleaning).	□
Angular spray lance									
WC and gutter lance	9	4.112-029.0						Stainless steel lance WC and gutter with nozzle insert. Specially shaped for effective and hygienic cleaning of gutters and toilets.	□
Flexible spray lance									
Flexible lance 1050 mm	10	4.112-035.0	210 bar	1050 mm				1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.	□
Telescopic spray lance									
Telescopic jet pipe	11	4.112-037.0	225 bar	5400 mm					□
Restraint belt for telescopic jet pipe	12	6.373-987.0						Convenient strap for relief when working with the telescopic spray lance (6.394-690). The burden is optimally distributed on the body and longer periods of use are possible.	□
Gutter cleaner									
Gutter cleaning lance	13	2.112-015.0						The lance is suited for cleaning of gutter systems. Because of the shape of the lance and the special nozzle the gutter can be cleaned without removing the cover plates.	□
Undercarriage spray lance									
Underbody lance	14	4.112-032.0		700 mm				Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	□
Zusatzhandgriff									
	15	4.321-380.0							□
Weed control									
WR 50 trapezoidal thread	16	2.114-013.0							□
WR 20 trapezoidal thread	17	2.114-014.0							□

■ Included in delivery. □ Available accessories. ▲ Extension hose.

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		Order No.					Price	Description	
Crane lifting kit									
Crane loading kit for HDS middle and super class	1	2.642-424.0						Effortless loading by crane.	☐
Grey wheel kit									
Grey wheel kit HDS M/S	2	2.641-975.0							☐
Flame monitoring attachment kit									
ABS flame monitor for HDS M/S	3	2.641-796.0						More safety thanks to ABS HDS M/S flame monitoring system: A light sensor monitors the burner flame. The fuel supply cuts out automatically if the flame extinguishes.	☐
Y distributor									
Y distributor	4	4.111-024.0							☐
Accumulator kits									
Add-on accumulator for HDS M/S	5	2.641-803.0						The accumulator can be mounted on the HDS machine in order to dampen pressure surges, which conserves the machine's line system.	☐
Remote control set									
Remote control set	6	2.642-157.0							☐
Coin-op remote control									
Coin-op remote control	7	2.642-158.0							☐

■ Included in delivery. ☐ Available accessories. ▲ Extension hose.

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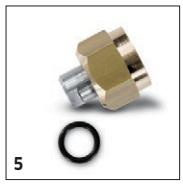
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		Order No.	Flow rate	Nozzle size	Diame-ter		Price	Description	
Hard Surface Cleaner FRV 30									
Add-on kit hose attachment	1	2.642-528.0							☐
Add-on kit dirt trap	2	2.642-532.0							☐
Hard surface cleaner FR 30 ME									
FR 30 ME surface cleaner	3	2.111-013.0			300 mm			Hot water resistant stainless steel surface cleaner with double ceramic bearings, non-marking swivel castors and suction hose connection. Ideal for indoor cleaning, e.g. food industry.	☐
Hard Surface Cleaner FR 50									
FR 50 surface cleaner	4	2.111-023.0			500 mm			Hot water resistant stainless steel surface cleaner with 500 mm working width. Ideal for large areas.With double ceram-ic bearings, push handle, non-marking swivel castors and detergent dosing system.	☐
Machine-specific nozzle kit for FR									
Nozzle kit for surface cleaners (type-specific) 1100 - 1300 l/h	5	2.639-188.0	1100–1300 l/h					Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (1100 to 1300 l/h).	☐
Machine-specific nozzle kits for FRV									
Nozzle pack 080	6	2.642-982.0		80					☐
FRV 30 Me surface cleaner									
Suction hose FRV 30 me	7	4.441-040.0							☐
FRV 30 ME	8	2.111-012.0							☐
Surface Cleaner FR 50 Me									
	9	2.111-024.0							☐

■ Included in delivery. ☐ Available accessories. ▲ Extension hose.

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		Order No.					Price	Description	
Nozzle union									
Protection part TR only for replacement	1	4.112-011.0							☐
Coupling parts									
	2	6.987-705.0							☐
Rotary coupling									
Rotary coupling	3	4.111-021.0						Kärcher rotary coupling prevents twisting and kinking of high-pressure hoses for ease of use. Connector M 22 x 1.5 m. With grip protection.	☐
Coupling									
Coupler -2xM22x1,5	4	4.111-037.0						Brass double connector for connecting and extending high-pressure hoses. With rubber protection. Connector: 2x M 22 x 1.5 m.	☐
Connector									
Nozzle connector/screw connector	5	4.111-022.0						Nozzle connector/screw connector for connecting high-pressure nozzles and accessories to the high-pressure trigger gun (with nozzle connector). Connectors: 1x M 22 x 1.5 and 1x M 18 x 1.5.	☐
	6	4.111-038.0							☐
Adapter EASY!Lock									
Adapter 1 M22AG-TR22AG	7	4.111-029.0							☐
Adapter 2 M22IG-TR22AG	8	4.111-030.0							☐
Adapter 3 M22IG-TR22AG	9	4.111-031.0							☐
Adapter M22 - Swivel	10	4.111-032.0						M22 x 1,5female and swivel connection. For extension of high-pressure hoses with AVS connection or for usage of the telescopic lance with a high-pressure hose with AVS connection.	☐
Adapter 5 TR22IG-M22AG	11	4.111-033.0							☐
Adapter 6 TR22IG-M22AG	12	4.111-034.0							☐
Adapter 7 M18IG-TR20AG	13	4.111-035.0							☐
Adapter 8 TR20IG-M18AG	14	4.111-036.0							☐
HP detergent injector									
Detergent injector for high and low pressure (without nozzles)	15	4.637-032.0						Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	☐
Detergent injector for high pressure	16	4.637-033.0						Cleaning agent dosage at high pressure 3 - 5 %	☐
Machine-specific nozzle kit with order no. 3.637-170									
Machine-specific nozzle kit with order no. 3.637-170.0 1000-1200 l/h l/h	17	4.769-048.0						For HD/HDS 1000 - 1200 l/h. Consists of nozzle insert + HP power nozzle + union	☐
Nozzle insert with order no. 3.637-001									
High pressure for units rated 1100 l/h or more	18	4.769-002.0						For high pressure with machines above 1.100 l/h	☐
Low pressure for units rated 1100 l/h or more	19	4.769-006.0						For low pressure with machines above 1.100 l/h	☐

■ Included in delivery. ☐ Available accessories. ▲ Extension hose.

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		Order No.	Max. working pressure	Nozzle size	Diame-ter		Price	Description	
Barrel and tank cleaning									
Barrel cleaner BC 14/12	1	2.112-020.0						Nozzle kit with wet blasting nozzle and nozzle insert (type specific). For optimal Kärcher wet blasting attachment per-formance. Only in combination with wet blasting attachment 4.115-000.0 | 4.115-006.0.	☐
Pipe cleaning nozzle									
Nozzle pipe cleaning size 100	2	5.763-088.0		100	24 mm			Pipe cleaning nozzle with 24 mm diameter. With 4 nozzles tilted back at a 30° angle.	☐
Pipe cleaning nozzle	3	5.763-019.0		65	16 mm			16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	☐
	4	5.763-020.0		65	16 mm				☐
	5	5.763-021.0		70	30 mm			30 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	☐

■ Included in delivery. ☐ Available accessories. ▲ Extension hose.

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		Order No.	Max. working pressure	Nozzle size			Price	Description	
Angle vario nozzle 0°-90°									
Variable angle nozzle 0-90°	1	4.113-008.0		55				Variable angle nozzle for spray angle adjustment from 0° to 90°. For easy adjustment to all kinds of soiling and surfaces.	☐
Dirt blaster, large									
Dirt blaster - without changeover function	2	4.114-030.0	300 bar	70				The dirt blaster with rotating pencil jet offers 10 times better cleaning performance. Ceramic nozzle and bearing ring for a long service life. Further data: Max. 300 bar, 30 MPa, 85°C.	☐

■ Included in delivery. ☐ Available accessories. ▲ Extension hose.

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		Order No.	Nozzle size				Price	Description	
Wet blasting attachment (without nozzle)									
Wet blasting attachment with flow control (without nozzles)	1	4.115-000.0						Paint, rust and scale removal made easy: Kärcher wet blasting attachment with flow control for adding blasting abrasive to the high-pressure jet.	☐
Wet blasting attachment without flow control (nozzles not included)	2	4.115-006.0						Paint, rust and scale removal made easy: Kärcher wet blasting attachment with flow control for adding blasting abrasive to the high-pressure jet. Without flow control.	☐
Nozzle pack for wet blasting attachment									
Nozzle kit for wet blasting attachment	3	2.637-906.0	70					Consisting of wet-blasting nozzle and nozzle insert, only for use with wet-blasting attachment 4762-010/-022	☐
Boron carbide nozzle									
Boron carbide nozzle, for machines as of 1000 l/h	4	6.415-083.0	8 mm					In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	☐

■ Included in delivery. ☐ Available accessories. ▲ Extension hose.

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		Order No.	Flow rate				Price	Description	
Cup foam lance									
Packing complete for 6.394-969.0	1	2.112-018.0							☐
Tank 1L	2	6.414-954.0							☐
Inno Foam Kit									
Inno foam kit with detergent injector	3	2.112-000.0						High-pressure foam system with double lance (foam nozzle and high-pressure jet for rinsing). For use with mobile and stationary high-pressure and HDS pressure cleaners for cleaning or disinfection.	☐
Inno foam kit	4	2.112-008.0							☐
Easy Foam Set									
Easy Foam Set with RM injector	5	2.112-010.0						HP foam system for use with. HD/HDS units for cleaning and disinfecting. Foam nozzle for connection to lance and HP chemical injector with precision 0-5% metering valve. The machine specific nozzle kit has to be ordered separately.	☐
Easy foam set	6	2.112-011.0							☐
Nozzle kits for Inno/Easy Foam Set									
Nozzle kit 110 Inno/Easy set 1000 - 1300 l/h	7	2.111-020.0	1000–1300 l/h					Nozzle kit 110 contains Kärcher power nozzles and nozzle inserts. For Inn/Easy-Foam set 1000-1300 l/h. For optimal foam system performance.	☐
Foam nozzle mounting kit									
Foam nozzle kit	8	2.112-013.0						Foaming agent kit. The foam nozzle is ideal for use in sanitary areas and the food industry and wherever long application times are necessary.	☐

■ Included in delivery. ☐ Available accessories. ▲ Extension hose.

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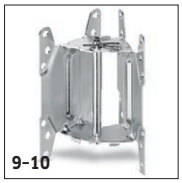

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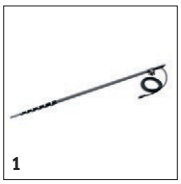

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		Order No.	Length				Price	Description	
Automatic, self-winding hose reels									
Add-on kit hose reel HDS M/S	1	2.110-011.0	20 m					Automatic hose reel as a complete attachment kit that's easy to mount. Suitable for HDS medium and super class. For maximum convenience when winding and unwinding the high-pressure hose.	☐
Add-on kit holder for automatic hose reel HDS-M	2	2.643-040.0							☐
Add-on kit hose reel plastics	3	6.392-074.0	20 m					Automatic hose reel for 20 m high-pressure hose. The console is made from powder-coated steel, the drum is made from plastic.	☐
Add-on kit hose reel	4	6.392-083.0	20 m					Automatic hose reel for 20 m high-pressure hose. The console consists of stainless steel, the drum is made from plastic.	☐
Hose reel, automatic, 20 m, painted	5	6.392-106.0	20 m					Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	☐
Add-on kit hose reel lacquered basaltgra	6	6.392-105.0	20 m						☐
Hose reel, automatic, 20 m, stainless steel	7	6.392-076.0	20 m					Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	☐
ABS hose reel stainless steel	8	6.392-122.0	20 m					High-grade, automatic steel hose reel. Especially suitable for use in the food industry. The material and finish provide for a corrossion-resistant, watertight capsuled sprong drive. Connection for HP hoses with nipple.	☐
Swivel holder	9	2.639-931.0						Swivel holder for automatic hose reel wall mounting. For maximum action radius and flexibility of high-pressure hose. Rotatable 120°. Galvanised steel.	☐
ABS wall fastening stainless steel	10	2.641-867.0						Swivelling wall bracket made of high-grade steel (for 2.641-866). This makes maximum flexibility and convenience possible when working with the HP hose.	☐

■ Included in delivery. ☐ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 13/20-4S EASY!
1.071-928.0

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5–7

		Order No.	Flow rate	Feed temperature	Length	Length	Price	Description	
Solar cleaning – telescopic lances									
Telescopic rod complete 14m	1	4.110-002.0		max. 60 °C				Full carbon telescopic rod for maximum rigidity with minimal weight. With 14 m max. reach and practical quick-release couplings for easy extension and retraction.	☐
Telescopic rod complete 10m CFK	2	4.110-007.0		max. 60 °C					☐
Telescopic rod complete 10m	3	4.110-003.0		max. 60 °C				Telescopic rod made from a carbon/fibreglass mixture for maximum rigidity with minimum weight. With 10 m max. reach and practical quick-release couplings for easy extension and retraction.	☐
iSolar TL 7 H (without hose)	4	4.110-004.0		max. 60 °C				Telescopic rod made from a carbon/fibreglass mixture for maximum rigidity with minimum weight. With 7.2 m max. reach and practical quick-release couplings for easy extension and retraction.	☐
Hose solar	5	6.392-978.0		max. 155 °C				High-quality, flexible HP hose (with rubber covering) for the iSolar TL 7. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.	☐
	6	6.392-977.0		max. 155 °C				High-quality, flexible HP hose (with rubber covering) for the iSolar TL 10. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.	☐
	7	6.392-976.0		max. 155 °C				High-quality, flexible HP hose (with rubber covering) for the iSolar TL 14. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.	☐

■ Included in delivery. ☐ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 13/20-4S EASY!
1.071-928.0

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		Order No.	Flow rate				Price	Description	
Push-on washing brush									
Push-on wash brush, M 18 x 1.5	1	4.113-001.0						Push-on wash brush for universal use. Simply push on to lance. Connector: M 18 x 1.6.	☐
Rotating washing brush									
Washing brush rotary	2	4.113-002.0	800–1300 l/h						☐
	3	4.113-005.0	800–1300 l/h						☐

■ Included in delivery. ☐ Available accessories. ▲ Extension hose.

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8–9

		Order No.	Length	Diameter			Price	Description	
Geka coupling									
With hose nozzle, R 3/4"	1	6.388-455.0						with hose liner	☐
With hose nozzle, R 1"	2	6.388-465.0							☐
Hose coupling	3	6.388-458.0						with female thread	☐
Suction filter									
Water filter	4	6.414-956.0							☐
Suction filter with check valve	5	4.730-012.0						Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	☐
Fine-mesh water filter									
Fine-mesh water filter with adapter	6	4.730-102.0						Fine-mesh water filter, 125 µm, max. temperature 50°C. Protects the high-pressure cleaner from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connection 3/4", with adapter, 1".	☐
Fine-mesh water filter, 100 µm, R 1"	7	2.638-270.0						Fine-mesh water filter, 100 µm, max. temperature 60°C. Connects to high-pressure cleaner. Protects the high-pressure cleaner from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connector 1".	☐
Water supply hose									
Water supply hose	8	4.440-207.0	7,5 m					NW 19 R1" / R 3/4", up to 85 °C, for pick-up	☐
	9	4.440-270.0	7,5 m					NW 19 R1" / R1", up to 85 °C	☐

■ Included in delivery. ☐ Available accessories. ▲ Extension hose.