



HDS 13/20 -4S

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



1 High efficiency

- In ecoefficiency mode, the machine operates at the most efficient-temperature range (60 °C) - even at the maximum water flow.
- The burner cycles are optimised to reduce fuel consumption by 20 percent compared to full load operation.

2 Storage

- Spacious storage compartment for cleaning agents, gloves or tools, for example.
- Easily accessible for left/right-handed people and perfect for two-lance operation.

3 Detergent dosing

- Accurate dosing valve ensures a low consumption rate.
- Easily switched between detergent 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.



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- Two-spray lance operation possible
- Two detergent tanks
- Economical ecoefficiency mode

Technical data

Order no.	1.071-928.0	
EAN code	4054278140483	
Current type	Ph / V / Hz	3 / 420 / 50
Flow rate	l/h	650-1300
Pressure	bar / MPa	30-200 / 3-20
Max. temperature	°C	80 / 155
Connected load	kW	9.3
Heating oil consumption, full load	kg/h	8.3
Fuel tank	l	25
Weight	kg	181.5
Dimensions (L × W × H)	mm	1330 × 750 × 1060

Equipment

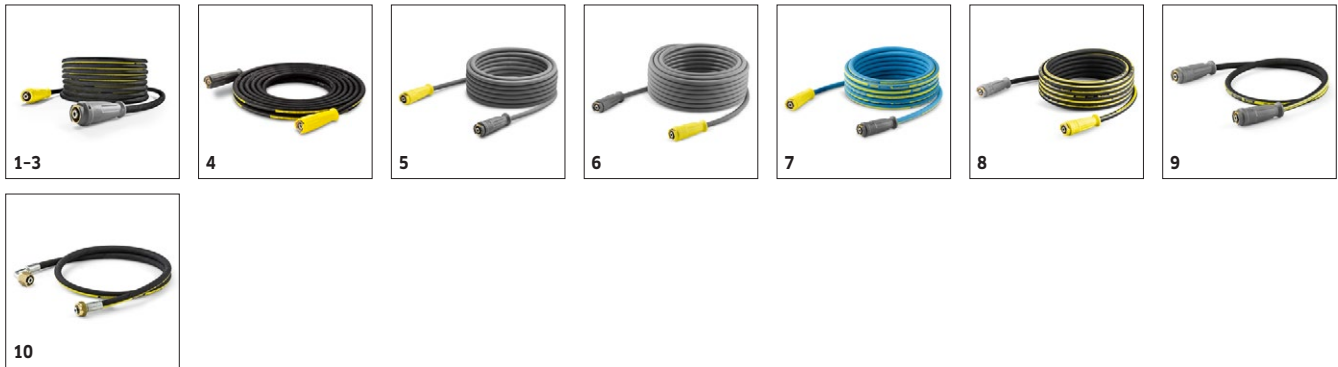
Spray gun	EASY!Force Advanced	Two detergent tanks	■
High-pressure Hose	m 20 / Longlife	Dry-run protection	■
Spray lance	mm 1050		
Power nozzle	■		
Servo control	■		
ANTI!Twist	■		
Pressure switch-off	■		
Optional two-lance operation	■		
Pole reversing plug (3-phase)	■		
Soft damping system (SDS)	■		
Electronic service control with LED display	■		

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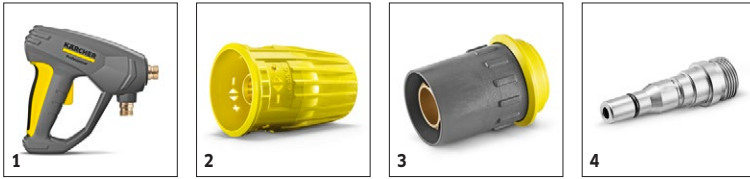


		Order no.	ID	Max. working pressure	Length	Price	Description	
Standard with unions on both sides								
High-pressure hose, 10 m, ID 8, AVS trigger gun connector	1	6.110-031.0	ID 8	315 bar	10 m		10 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	▲
High-pressure hose, 15 m, ID 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, ID 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, ID 8, including rotary coupling	4	6.110-014.0	ID 8	315 bar	30 m			▲
Food industry version with unions on both sides								
High-pressure hose, 10 m, DN 8, suitable for the 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 design with screw connections at both ends								
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								
Longlife 400 high-pressure hose, 10 m, DN 8,	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			□

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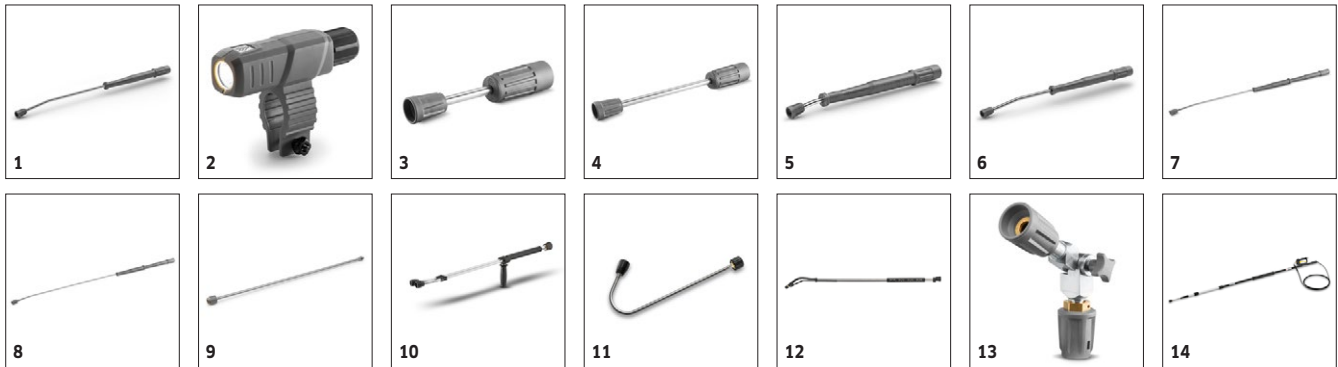
		Order no.	Flow rate				Price	Description	
Trigger guns									
Extended Easy Press trigger gun	1	4.118-005.0						Extended easy press high-pressure trigger gun for high-pressure hoses with rotating connector.	■
Servo control									
Servo control	2	4.118-009.0	1100 l/h						□
Quick connect								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

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		Order no.	Max. working pressure	Length		Price	Description	
Rotating spray lances								
1050 mm spray pipe, rotatable	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.	■
Nozzle light	2	2.680-002.0		125 mm				□
250 mm lance, non-rotatable	3	4.112-027.0	300 bar	250 mm				□
550 mm lance, non-rotatable	4	4.112-024.0	300 bar	400 mm				□
600 mm spray pipe, rotatable	5	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.	□
850 mm spray pipe, rotatable	6	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.	□
1550 mm spray pipe, rotatable	7	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.	□
2050 mm spray pipe, rotatable	8	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.	□
Jet pipe extension TR 1000 mm	9	4.112-048.0	300 bar	1000 mm				□
Double lance								
Double lance 960 mm	10	2.112-016.0	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								
Spray lance for toilets and rain gutters	11	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	12	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.	□
Articulated joint TR 20	13	4.112-057.0	300 bar					□
Telescopic spray lance								
Telescopic spray pipe	14	4.112-037.0	225 bar	5400 mm				□
Strap for telescopic spray pipe	15	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	16	2.112-015.0		960 mm			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	17	4.112-032.0		700 mm			Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	□
Zusatzhandgriff								
	18	4.321-380.0						□
Weed control								
WR 50 trapezoidal thread	19	2.114-013.0						□
WR 20 trapezoidal thread	20	2.114-014.0						□
WR 100	21	2.114-015.0						□
WR 10	22	2.114-016.0						□

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

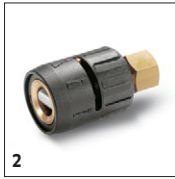
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		Order no.	Max. working pressure	Nozzle size			Price	Description	
Dirt blaster, large									
Dirt blaster - not switchable	1	4.114-030.0	300 bar	70				The dirt blaster with rotating pencil jet offers 10 times better cleaning performance. Ceramic nozzle and bearing ring for a long service life. Further data: Max. 300 bar, 30 MPa, 85°C.	<input type="checkbox"/>
Angled vario nozzle 0-90°									
	2	4.113-008.0		55					<input type="checkbox"/>

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		Order no.					Price	Description	
Flue pipe									
Flue gas adapter	21	4.656-079.0						Flue gas adapter with draught damper for flue pipe connection (adapter for HDS burners for connection to a stack system).	<input type="checkbox"/>

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		Order no.	Max. working pressure	Nozzle size	Diameter		Price	Description	
Pipe cleaning hose, ID 6									
	1	6.110-046.0	250 bar						<input type="checkbox"/>
	2	6.110-008.0	250 bar					The 20 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	<input type="checkbox"/>
	3	6.110-047.0	250 bar						<input type="checkbox"/>
Pipe cleaning nozzle									
	4	4.765-003.0		90	21 mm				<input type="checkbox"/>
	5	4.765-010.0		90	30 mm				<input type="checkbox"/>
	6	5.763-088.0		100	24 mm			Pipe cleaning nozzle with 24 mm diameter. With 4 nozzles tilted back at a 30° angle.	<input type="checkbox"/>
	7	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.	<input type="checkbox"/>
	8	5.763-020.0		65	16 mm				<input type="checkbox"/>
	9	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.	<input type="checkbox"/>
Barrel and tank cleaning									
	10	2.112-020.0							<input type="checkbox"/>

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		Order no.	Flow rate	Nozzle size	Diame-ter	Price	Description	
Hard Surface Cleaner FRV 30								
ABS hose fastening	1	2.642-528.0						<input type="checkbox"/>
ABS dirt trap	2	2.642-532.0						<input type="checkbox"/>
FR 30 Me surface cleaner								
Hard surface cleaner FR 30 Me	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.	<input type="checkbox"/>
Hard Surface Cleaner FR 50								
Hard surface cleaner FR 50	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 ceramic bearings, push handle, non-marking swivel castors and detergent dosing system.	<input type="checkbox"/>
Machine-specific nozzle kits for FR								
Nozzle kit for surface cleaners	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).	<input type="checkbox"/>
Machine-specific nozzle kits for FRV								
Nozzle kit 080 - for FRV 30	6	2.642-982.0		80				<input type="checkbox"/>
FRV 30 Me surface cleaner								
FRV 30 Me extension hose	7	4.441-040.0						<input type="checkbox"/>
FRV 30 Me	8	2.111-012.0						<input type="checkbox"/>
Surface Cleaner FR 50 Me								
	9	2.111-024.0						<input type="checkbox"/>

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		Order no.	Flow rate				Price	Description	
Cup foam lance									
Foam lance TR	1	4.112-055.0	900-2500 l/h						<input type="checkbox"/>
Packing complete for 6.394-969.0	2	2.112-018.0							<input type="checkbox"/>
Tank grey only for replacement 1L	3	6.414-050.0							<input type="checkbox"/>
Inno Foam Kit									
Inno Foam Set with detergent injector	4	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.	<input type="checkbox"/>
Inno Foam Set	5	2.112-008.0							<input type="checkbox"/>
Easy Foam Set									
Easy Foam Set with RM injector	6	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.	<input type="checkbox"/>
Easy Foam Set	7	2.112-011.0							<input type="checkbox"/>
Nozzle kits for Inno/Easy Foam Set									
	8	2.111-020.0	1000-1300 l/h						<input type="checkbox"/>
Foam nozzle mounting kit									
Foam nozzle attachment kit	9	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.	<input type="checkbox"/>

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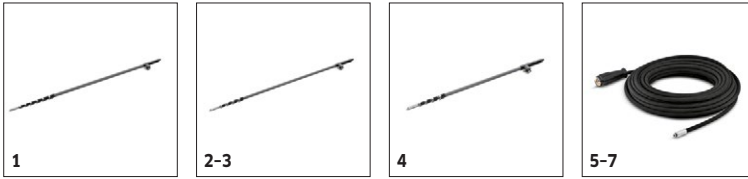


		Order no.	Length				Price	Description		
Automatic, self-winding hose reels										
Automatic hose reel, powder-coated steel / plastic	1	6.392-074.0	20 m					Automatic hose reel for 20 m high-pressure hose. The console is made from powder-coated steel, the drum is made from plastic.	<input type="checkbox"/>	
Automatic stainless steel / synthetic material hose drum	2	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.	<input type="checkbox"/>	
Automatic hose reel, coated	3	6.392-106.0	20 m					Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>	
	4	6.392-105.0	20 m						<input type="checkbox"/>	
Automatic hose reel, stainless steel, includes swivel holder	5	6.392-076.0	20 m					Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>	
ABS automatic stainless steel hose drum	6	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 corrosion-resistant, watertight capsuled sprong drive. Connection for HP hoses with nipple.	<input type="checkbox"/>	
Add-on kit hose reel TR 40m	7	6.392-442.0	40 m						<input type="checkbox"/>	
Powder-coated swivel holder	8	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.	<input type="checkbox"/>	
ABS pivoting stainless steel wall bracket	9	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.	<input type="checkbox"/>	
Anbausatz Schlauchtrommel automatik										
ABS automatic hose drum HDS M/S	10	2.110-011.0						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.	<input type="checkbox"/>	
Add-on kit holder hose reel TR	11	2.110-020.0							<input type="checkbox"/>	

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		Order no.	Flow rate	Feed temperature	Length	Length	Price	Description	
Solar cleaning - telescopic lances									
iSolar TL 14 C (without hose)	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.	<input type="checkbox"/>
iSolar TL 10 C (without hose)	2	4.110-007.0		max. 60 °C					<input type="checkbox"/>
iSolar TL 10 H (without hose)	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.	<input type="checkbox"/>
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.	<input type="checkbox"/>
iSolar HP hose 7	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.	<input type="checkbox"/>
iSolar HP hose 10	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.	<input type="checkbox"/>
iSolar HP hose 14	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.	<input type="checkbox"/>

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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.	<input type="checkbox"/>
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.	<input type="checkbox"/>
Nozzle kits for wet jet unit									
Nozzle pack TR wet jet set 0070	3	2.112-027.0	70						<input type="checkbox"/>
Boron carbide nozzle									
	4	6.415-083.0	8 mm						<input type="checkbox"/>

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		Order no.					Price	Description	
Crane lifting kit									
Crane loading attachment kit for HDS medium and super class	1	2.642-424.0						Effortless loading by crane.	<input type="checkbox"/>
NOCH NICHT GEPFLEGT ----- ---- >	2	2.644-053.0							<input type="checkbox"/>
Flame monitoring attachment kit									
	3	2.641-796.0							<input type="checkbox"/>
Y distributor									
Y distributor	4	4.111-024.0							<input type="checkbox"/>
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.	<input type="checkbox"/>
Remote control set									
	6	2.642-157.0							<input type="checkbox"/>
Coin-op remote control									
	7	2.642-158.0							<input type="checkbox"/>

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		Order no.	Length	Diameter			Price	Description	
Geka coupling									
Geka connector with hose barb, R 3/4"	1	6.388-455.0						with hose liner	<input type="checkbox"/>
Geka connector with hose barb, R 1"	2	6.388-465.0							<input type="checkbox"/>
Hose coupling	3	6.388-458.0						with female thread	<input type="checkbox"/>
Suction filter									
Water suction filter	4	6.414-956.0							<input type="checkbox"/>
Suction filter with check valve	5	4.730-012.0						Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	<input type="checkbox"/>
Water fine filter									
Water fine filter, with adapter	6	4.730-102.0						Fine-mesh water filter, 125 µm, max. temperature 50°C. Protects the water blaster from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connection 3/4", with adapter, 1".	<input type="checkbox"/>
Water fine filter, 100 µm, R 1"	7	2.638-270.0						Fine-mesh water filter, 100 µm, max. temperature 60°C. Connects to water blaster. Protects the water blaster from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connector 1".	<input type="checkbox"/>
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	<input type="checkbox"/>
	9	4.440-270.0	7.5 m					NW 19 R1" / R1", up to 85 °C	<input type="checkbox"/>

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		Order no.	Flow rate				Price	Description	
Push-on washing brush									
Push-on washing brush	1	4.113-001.0						Push-on wash brush for universal use. Simply push on to lance. Connector: M 18 x 1.6.	<input type="checkbox"/>
Rotating washing brush									
Rotating washing brush for > 800 l/h machines	2	4.113-002.0	800-1300 l/h						<input type="checkbox"/>
	3	4.113-005.0	800-1300 l/h						<input type="checkbox"/>

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