



# HD 5/11 P

The HD 5/11 P is compact, light and mobile. Equipment details: Carrying handle, brass cylinder head and automatic pressure relief. For vertical and horizontal operation.





#### 1 Excellent mobility

- The integrated carrying handle on the front of the machine enables easy loading and convenient transport.
- Compact construction style and low weight.

#### 2 Flexibility

- Vertical and horizontal operation possible.
- Separate park and transport position for the spray unit.

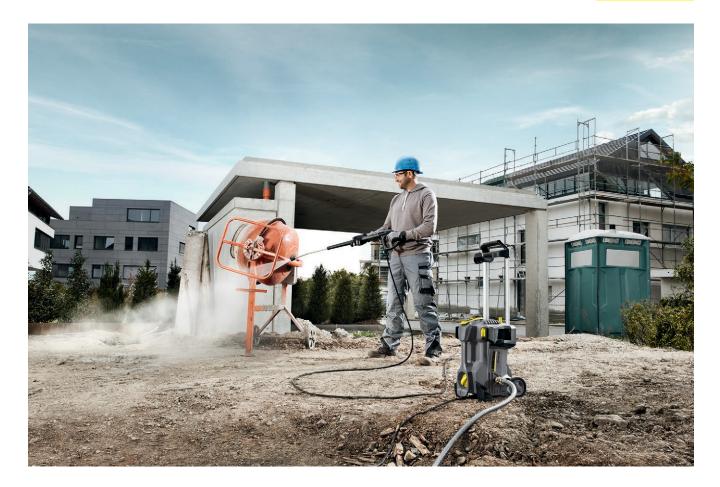
#### 3 Quality

- The automatic pressure relief protects the components and extends the service life of the machine.
- High-quality brass cylinder head.

#### 4 Accessory storage

- Screw connections (M 18 × 1.5) for storing surface cleaner directly on the machine.
- Practical nozzle compartments for triple nozzle and rotary nozzle.

# **TECHNICAL DATA AND EQUIPMENT**



#### HD 5/11 P

- Automatic pressure reliefFor horizontal and vertical operation
- Save time and effort: EASY!Force high-pressure gun and
- EASY!Lock quick-release couplings.

Technical data		
Order no.		1.520-190.0
EAN code		4039784902053
Current type	Ph / V / Hz	1 / 230 / 50
Flow rate	l/h	490
Working pressure	bar / MPa	110 / 11
Max. pressure	bar / MPa	160 / 16
Max. inlet temperature	°C	max. 60
Connection load	kW	2.2
Weight	kg	20.5
Dimensions (L × W × H)	mm	351 × 312 × 904
Equipment		
Spray gun		Easy Press trigger gun
Spray gun with soft grip		I
High-pressure hose	m	10 / DN 6, 250 bar
Spray lance	mm	850
ANTI!Twist		-
Pressure cut-off		1
Servo Control		-
Included in the scope of supply		

Included in the scope of supply.

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Max. working Order no. ID pressure Length Price Description Standard with unions on both sides 6.391-342.0 To extend the operating radius with the high-pressure clean ID 8 315 bar 10 m High-pressure hose, 10 m, ID 8, 1 315 bar, extension er. Connection on both sides M22 x 1.5. High-pressure hose, 15 m, ID 8, 2 6.390-010.0 ID 8 315 bar 15 m With screw connections on both sides, M 22 x 1.5 with bend protection. 315 bar, including rotary coupling High-pressure hose, 20 m, ID 8, 6 390-031 0 ID 8 315 bar 20 m Screw connections at both ends, M 22 x 1.5, with kink pro-3 315 bar, extension piece tection. High-pressure hose, 30 m, ID 8, 6.390-293.0 ID 8 315 bar 30 m To extend the operating radius with the high-pressure clean 4 incl. rotary coupling er. Connection on both sides M22 x 1.5. Longlife 400 with unions on both sides High-pressure hose Longlife 400. 5 6.388-083.0 ID 8 400 bar 10 m 10 m high-pressure hose Longlife 400 (DN 8) with rotary 10 m, ID 8, including rotary coucoupling, two layer high-strength steel wire reinforced. Connectors at both ends. M 22 x 1.5, with kink protection. pling High-pressure hose Longlife 400, 400 bar 6 6.391-354.0 ID 8 10 m To extend the operating radius with the high-pressure clean 10 m, ID 8, extension er. Connection on both sides M22 x 1.5. High-pressure hose Longlife 400, 6.389-709.0 ID 8 400 bar 15 m With rotary coupling, 2 x M 22 x 1.5 7 15 m, ID 8, including rotary cou-pling High-pressure hose Longlife 400, 6.390-027.0 ID 8 400 bar 8 20 m with rotary coupling, 2 x M 22 x 1.5 20 m, ID 8, extension 400 bar High-pressure hose Longlife 400, 9 6.390-294.0 ID 8 30 m With rotary coupling, 2 x M 22 x 1.5 30 m, ID 8, including rotary cou-pling Food industry version with unions on both sides 10 6.389-479.0 ID 8 250 bar 10 m High-pressure hose, 10 m, DN 8. 10 m high-pressure hose (DN 8) with patented (rotating) suitable for the food industry. AVS trigger gun connector. Non-discolouring outer layer for extension piece use in the food industry. M 22 x 1.5 with anti-kink sleeve. High-pressure hose, 20 m, ID 8, 11 6.389-581.0 ID 8 250 har 20 m 20 m high-pressure hose (DN 8) with swivel coupling. suitable for food industry, exten-Non-discolouring outer layer for use in the food industry. sion piece 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 Longlife HP hose for use in the food industry. Außen-High pressure hose food ID 8, 10 12 6.391-864.0 ID 8 400 bar 10 m decke## animal-grease-resistant, non-colour-bleeding matem High-pressure hose food industry 13 6.391-887.0 ID 8 400 bar 20 m rial. With rotary coupling, 2 x M 22 x 1,5 400 bar, 20 m, ID 8, including rotary coupling Standard High-pressure hose, 10 m, ID 6, 14 6.391-238.0 250 bar ID 6 10 m 10 m high-pressure hose (M 22 x 1.5) with kink protection. AVS trigger gun connector With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 6/155°C/250 bar High-pressure hose, 15 m, ID 6, 6.391-394.0 ID 6 250 bar 15 m With patented AVS trigger gun connection (rotatable) and 15 hand screw connection, M 22 x 1.5 with kink protection. AVS gun connection 6.391-875.0 300 bar 10 m High-pressure hose, 10 m, ID 6, 16 ID 6 With patented AVS connection in the trigger gun (piv-300 bar, AVS trigger gun connecot-mounted) and hand screw union. M 22 x 1.5 with anti-kink protection. NW 6/155°C/300 bar tion High-pressure hose, 10 m, ID 8, 6.390-025.0 315 bar 10 m 10 m high-pressure hose (M 22 x 1.5) with kink protection. 17 ID 8 AVS trigger gun connector With patented rotating AVS trigger gun connector and manu al coupling. Further data: DN 8/155°C/315 bar. High-pressure hose, 15 m, ID 8, 18 6 390-185 0 ID 8 315 har 15 m 15 m high-pressure hose (M 22 x 1.5) with kink protection. AVS trigger gun connector With patented rotating AVS trigger gun connector and manu al coupling. Further data: DN 8/155°C/315 bar. ■ Included in the scope of supply. □ Available accessories. Extension hose

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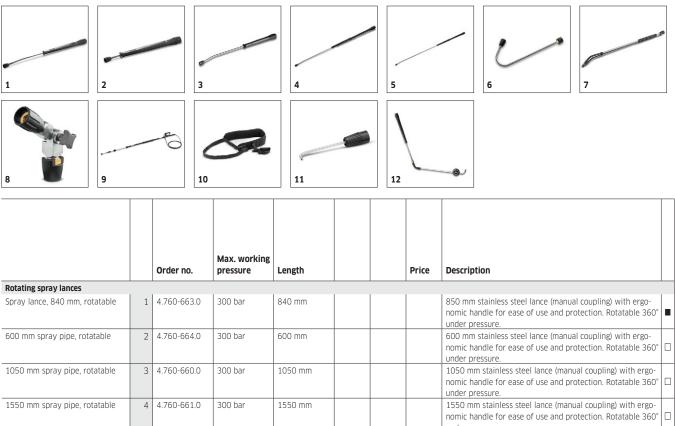
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		Order no.	ID	Max. working pressure	Length	Price	Description	
High-pressure hose, 20 m, ID 8, AVS trigger gun connector	19	6.390-171.0	ID 8	315 bar	20 m		20 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manu- al coupling, Further data: DN 8/155°C/315 bar.	
Longlife 400								
Longlife 400 high-pressure hose, 10 m, DN 6, M 22 x 1.5	20	6.391-882.0	ID 6	400 bar	10 m		With patented AVS connection in the trigger gun (piv- ot-mounted).	
High-pressure hose Longlife 400, 10 m, ID 8, AVS trigger gun con- nection	21	6.391-351.0	ID 8	400 bar	10 m		With patented AVS connection in the trigger gun (rotatable) and hand screw connection, M 22 x 1.5 with kink protection. With double steel reinforcement.	
High-pressure hose Longlife 400, 20 m, DN 8, AVS trigger gun con- nector	22	6.390-208.0	ID 8	400 bar	20 m		20 m high-pressure hose Longlife 400 (DN 8) with patented (rotating) AVS trigger gun connector and manual coupling. Two layer high-strength steel wire reinforced.	
Food industry version								
High-pressure hose, 15 m, ID 6, AVS trigger gun connector 11 mm, suitable for food industry, grey	23	6.391-654.0	ID 6	250 bar	15 m		15 m high-pressure hose (DN 6) with patented (rotating) AVS trigger gun connector. Non-discolouring outer layer for use in the food industry. DN 6/155°C/250 bar.	
High-pressure hose, 10 m, DN 8, AVS trigger gun connection, food, grey	24	6.390-704.0	ID 8	250 bar	10 m		Food industry version, AVS connection in the trigger gun. grey NW 8/155 °C/250 bar	
High-pressure hose, 20 m, ID 8, AVS trigger gun connector, suitable for food industry, grey	25	6.390-705.0	ID 8	250 bar	20 m		20 m high-pressure hose (DN 8) with patented (rotating) AVS trigger gun connector. Non-discolouring outer layer for use in the food industry. NW 8/155°C/250 bar.	
Longlife food design								
High-pressure hose Longlife 400, 15 m, ID 6, AVS trigger gun con- nection	26	6.391-888.0	ID 6	400 bar	15 m		Longlife HP hose for use in the food industry. Außen- decke## animal-grease-resistant, non-colour-bleeding mate- rial. With patented AVS connection in the pistol (pivot	
HIgh-pressure hose Longlife 400, 10 m, ID 8, AVS trigger gun con- nection	27	6.391-885.0	ID 8	400 bar	10 m		mounted)	
HIgh-pressure hose Longlife 400, 20 m, ID 8, AVS trigger gun con- nection	28	6.391-886.0	ID 8	400 bar	20 m			

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		Order no.	Flow rate			Price	Description	
Easy Press high-pressure trigger g	un with	holding force re	duction (Kärcher	patent)				
Easy Press HP trigger gun with soft grip	1	4.775-463.0					Easy press high-pressure trigger gun with softgrip. For high-pressure hoses DN 6 and DN 8 with 11 mm swivel diameter.	



					nomic handle for ease of use and protection. Rotatable 360° under pressure.
2050 mm spray pipe, rotatable	5	4.760-662.0	300 bar	2050 mm	2050 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360° □ under pressure.
Angular spray lance					
Spray lance for toilets and rain gutters	6	4.760-073.0			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	7	6.394-654.0	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. $\hfill \Box$
High-pressure M18x1.5 articulated joint	8	4.481-039.0	300 bar		High-pressure articulated joint: Thanks to infinite angle adjustment up to 120°, this tool is ideal to effortlessly clean hard-to-reach areas. Simply attach to the spray lance of the pressure washer.
Telescopic spray lance					
Telescopic spray lance	9	6.394-690.0	225 bar	5400 mm	Can be continuously extended from 1.8 to 5.4 m. For clean- ing areas that are difficult to reach, such as ceilings or fa- cades. With integrated HD trigger gun, M 22 x 1.5 connec- tion with rotary coupling. Connection for M 18 x 1.5 nozzles.
Strap for telescopic spray pipe	10	6.373-987.0			Convenient strap for relief when working with the telescop- ic spray lance (6.394-690). The burden is optimally distrib- uted on the body and longer periods of use are possible.
Gutter cleaner					
Gutter cleaning lance	11	2.642-305.0			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	12	4.760-245.0		700 mm	Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.



		Order no.	Nozzle size		Price	Description
Power nozzle spray angle 15°					1	
Power nozzle 15° - 036	1	2.885-225.0	36			Flat stream for stubborn contaminations.
HP nozzle spray angle 0°						
High-pressure nozzle 0° - 040	2	2.884-533.0	40			High-pressure nozzle with powerful jet for extremely stub- born dirt.
Power nozzle spray angle 25°						·
Power nozzle 25° - 036	3	2.883-821.0	36			Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.
Power nozzle spray angle 40°						
Power nozzle 40° - 040	4	2.884-522.0	40			Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces. $\hfill \Box$

Included in the scope of supply.  $\Box$  Available accessories.  $\blacktriangle$  Extension hose.



		Order no.	Max. working pressure	Nozzle size		Price	Description
Dirt Blaster, small			-				<u> </u>
Dirt blaster - more Performance	1	4.767-231.0	180 bar	40			With rotating point jet for more efficient removal: the new performance dirt blaster with nozzle size 040 achieves up to 50% higher cleaning and area performance than its prede- cessor.
Triple nozzles					·		
Triple nozzle 036	2	4.767-148.0	300 bar	36			Triple nozzle with manual nozzle changeover. Convenient spray adjustment. For machines with an injector, the low-pressure flat stream is useful for cleaning agent suction and application. Connection M 18 x 1.5.

 $\blacksquare$  Included in the scope of supply.  $\hfill\square$  Available accessories.  $\hfill A$  Extension hose.

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		Order no.					Price	Descript	ion		
Nozzle union Nozzle connector	1	5.401-210.0	1					Eor proto	cting and connecting Kärcl	har power pozzlas to	
	1	5.401-210.0							ces (M 18 x 1.5 IG).	ner power nozzies to	
Spacer (including nozzle union)			1				1				
Spacer (includes nozzle screws)	2	5.394-294.0						bodywor	es constant safety clearan k. Helps prevent damage t irectly to lance.		
Rotary coupling		1									
Rotary coupling	3	4.401-091.0							prevents twisting of HP ho Indle protection	ses. Connection M 22 x	
<b>Coupling</b> Coupler -2 × M22 × 1,5	4	4.403-002.0							iding the dismantled heati 111-029.0 adapter 1 - hos		
Connector											
Nozzle screws / screw socket	5	4.402-022.0						sure nozz	nnector/screw connector eles and accessories to the nozzle connector). Connec x 1.5.	high-pressure trigger	
Adapters			,		<u> </u>		1	1.1.1.10			
Sealing cone complete	6	4.424-004.0						thread w	o install high-pressure hos ith M22 x 1.5 Alternative:4 w / Hose old Swivel		
EASY!Lock adapter											
Adapter 1 M22AG-TR22AG	7								L to connect the old hose v		
Adapter 2 M22IG-TR22AG	8	4.111-030.0							2 to connect the old device un with the new hose	e with the new hose and	
Adapter 3 M22IG-TR22AG	9	4.111-031.0							3 to connect the old gun w servo regulator	ith the new spray lance	
Adapter 4 TR22IG-D11	10	4.111-032.0							to connect the new gun v	with the old swivel hose	
Adapter 5 TR22IG-M22AG	11	4.111-033.0							5 to connect the new gun v servo regulator with the o		
Adapter 6 TR22IG-M22AG	12	4.111-034.0						Adapter 6	5 to connect the new devic ose with the new gun		
Adapter 7 M18IG-TR20AG	13	4.111-035.0						Adapter 7	7 to connect the old spray	lance with the new	
Adapter 8 TR20IG-M18AG	14	4.111-036.0						1 .	3 to connect the new spray	/ lance with the old	
								nozzle			

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		Order no.	Max. working pressure	Nozzle size	Diame- ter	Price	Description
Pipe cleaning hose, ID 6							
Pipe cleaning hose, DN 6, 20 m, max. 120 bar	1	6.390-028.0	120 bar				The 20 m pipe cleaning hose is a highly flexible high pres- sure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).
Pipe cleaning hose, DN 6, 30 m, max. 120 bar	2	6.390-029.0	120 bar				30 m flexible high-pressure hose (DN 6) for cleaning pipes (threaded connection for R 1/8 nozzle).
Pipe cleaning hose, DN 6, 20 m, max. 250 bar	3	6.390-030.0	250 bar				The 20 m pipe cleaning hose is a highly flexible high pres- sure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).
Pipe cleaning nozzle					<i>.</i>		
Pipe cleaning dirt blaster D21/040	4	4.765-001.0		40	21 mm		The forward-tilted rotating pencil jet removes the most
Pipe cleaning dirt blaster D30/040	5	4.765-004.0		40	30 mm		stubborn dirt. The three backwards-tilted jets ensure the necessary forward movement, as well as convenient han- dling.
Pipe cleaning nozzle	6	5.763-015.0		55	16 mm		16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.
	7	5.763-017.0		50	30 mm		Pipe cleaning nozzle with inner thread. Different spray directions. The hose moves freely through the pipe. (R 1/8" connection, 3 x 30° backwards, diameter 30 mm.)
Rotating pipe cleaning nozzle	8	6.415-428.0		50	16 mm		Pipe cleaning nozzle with four rotating jets and inner thread. Different spray directions. The hose moves freely through the pipe. With R 1/8" connection.

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		Order no.	Flow rate	Nozzle size	Diame- ter	Price	Description
FR Classic surface cleaner	-				II		1
FR Classic surface cleaner	1	2.643-476.0					The ideal entry-level model in the Kärcher surface cleaner range for cleaning surfaces indoors and outdoors. With splash guard and up to 150 bar working pressure.
Hard surface cleaner FR 30							
Surface Cleaner FR 30	2	2.642-997.0			300 mm		Up to 10 times greater area coverage compared with the conventional high pressure jet. Plastic casing for optimal manoeuvrability, double ceramic bearing for long working times, flexible connection joint for ergonomic handling and integrated parking position. Machine specific nozzle kit must be ordered separately.
FR 30 Me surface cleaner							
Hard surface cleaner FR 30 Me	3	2.640-355.0			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.
Machine-specific nozzle kits for FF	ર						
Nozzle kit for surface cleaners	4	2.640-482.0	450 - 500 l/h				Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (450 to 500 l/h).
Machine-specific nozzle kits for FF	R Classi	c					
Nozzle kit for FR Classic 040	5	2.885-312.0		40			Nozzle kit specifically for FR Classic surface cleaner.
Adapter for home & garden pressu	Jre was	hers					
Adapter, surface cleaner	6	4.762-402.0					For use on commercial hard-surface cleaners with home and garden pressure washers

 $\blacksquare$  Included in the scope of supply.  $\hfill\square$  Available accessories.  $\hfill\blacksquare$  Extension hose.



		Order no.	Flow rate		Price	Description
Cup foam lance						
Cup foam lance Advanced 042	1	6.394-969.0				Short, handy foam lance with adjustable spray angle with 1 litre detergent tank. Ideal for cleaning cars due to its compact design.
Foam nozzle mounting kit						
Foam nozzle attachment kit	2	2.637-926.0				Foaming agent kit. The foam nozzle is ideal for use in sani- tary areas and the food industry and wherever long applica- tion times are necessary.

Included in the scope of supply.  $\Box$  Available accessories.  $\blacktriangle$  Extension hose.

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		Order no.	Length		Price	Description
Automatic, self-winding hose ree	ls for wa	II mounting				
Powder-coated swivel holder	1	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.
Stainless steel swivel holder	2	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.

 $\blacksquare$  Included in the scope of supply.  $\hfill\square$  Available accessories.  $\hfill\blacksquare$  Extension hose.



		Order no.	Nozzle size		Price	Description	
Wet blasting attachment (without n	ozzle)						
Wet blasting attachment with flow control (without nozzles)	1	4.762-010.0				Paint, rust and scale removal made easy: Kärcher wet blast- ing attachment with flow control for adding blasting abra- sive to the high-pressure jet.	
Wet blasting attachment without flow control (nozzles not included)	2	4.762-022.0				Paint, rust and scale removal made easy: Kärcher wet blast- ing attachment with flow control for adding blasting abra- sive to the high-pressure jet. Without flow control.	
Nozzle kits for wet jet unit							
Nozzle kit for wet jet unit 035	3	2.638-526.0	30			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 4.762-010/-022.	
Boron carbide nozzle							
Boron carbide nozzle, for ma- chines up to 1,000 l/h	4	6.415-084.0	6 mm			In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	

Included in the scope of supply.  $\Box$  Available accessories.  $\blacktriangle$  Extension hose.





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		Order no.			Price	De- scrip- tion	
Geka coupling							
Geka connector with hose barb, R 1/2"	1	6.388-461.0				with hose liner	
Geka connector with hose barb, R 3/4"	2	6.388-455.0				with hose liner	
Geka connector with inner thread, R 3/4"	3	6.388-473.0				with female thread	
Suction filter							
Water suction filter	4	6.414-956.0				Suitable for ponds, storage tanks or similar, polyam- ide filter casing, stainless steel strainer, 800 µm mesh, R 3/4" and R 1" connec- tion, without non-re- turn valve	
Suction filter with check valve	5	4.730-012.0				Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	



		Order no.			Price	De- scrip- tion	
Water fine filter		1	1	1	1		
Water fine filter, with adapter	6	4.730-102.0				Fine- mesh water filter, 125 µm, max. temper- ature 50°C. Protects the	
Water supply hose				- <b>-</b>			
Water supply hose	7	4.440-038.0				NW 13 R1" / R 3/4", up to 30 °C	
	8	4.440-207.0				NW 19 R1" / R 3/4", up to 85 °C, for pick-up	
Backflow check valve							
Backflow preventer	9	2.641-374.0				To pre- vent deter- gent getting into the drinking water cycle in case of inlet at	
Other HP Accessories				1	1	1	
Starting current limiter	10	2.637-495.0				Reduces starting current in sin- gle- phase supply and protects line fuse.	



		Order no.	Flow rate		Price	Description	
Rotating washing brush							
Rotating wash brush for < 800 l/h machines, nylon bristles	1	4.762-561.0	500 - 800 l/h			The rotating wash brush gently removes fine dust and traf- fic film from all surfaces. Temperature resistant up to $60^{\circ}$ C. (M 18 x 1.5, replaceable brush insert).	
Rotating wash brush for < 800 l/h machines, natural bristles	2	4.762-560.0	500 - 800 l/h			Driven by water stream. Gently removes fine dust and traffic film from any surface. Temperature resistant up to 60°C, M 18 x 1.5 (replaceable brush insert).	

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