



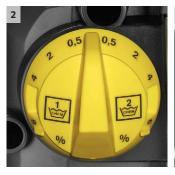
# HD 6/11-4 M Plus (110V)

Medium class 110V cold water pressure washer with 4-pole motor for heavy-duty use









1 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.
- 2 Switch-CHEM
- For accurate and variable cleaning agent dosing.
- 2-way dosing valve for cleaning agent changeover.



#### 3 Powerful and durable

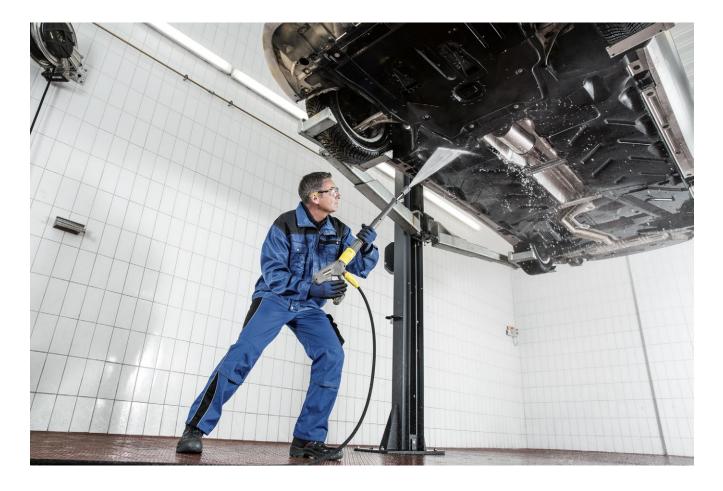
- Air-water-cooled electric motors for intensive use.
- 4-pole low-speed electric motor.

#### 4 Outstanding mobility

- Large wheels for uneven surfaces.
- Upright design for easy, ergonomic transport.

## **TECHNICAL DATA AND EQUIPMENT.**

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#### HD 6/11-4 M Plus (110V)

4-pole AC motor

Save energy and time: EASY!Force high-pressure guns and EASY!Lock

quick-release locks.

Switch-CHEM dosing
1 524-901 0

	1.524-901.0
	4054278164908
Ph / V / Hz	1 / 110 / 50
l/h	250 - 600
bar / MPa	30 - 110 / 3 - 11
bar / MPa	140 / 14
°C	up to 60
kW	2,9
kg	44,5
mm	467 × 407 × 1010
	EASY!Force
m	10
mm	1050
	Manual
	1
	1
	1
	1
	I/h bar / MPa bar / MPa °C kW kg mm

Included in delivery.

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		Order Number	ID	Max. working	Longth	Price	Description	
Standard with unions on both sides				pressure	Length	Price	Description	
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 manu al 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 manu al coupling. Further data: DN 8/155°C/315 bar.	1- 1
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 manu al 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	
High-pressure hose, 15 m DN 10, 220 bar, extension	5	6.110-042.0	ID 10	220 bar	15 m		15 m high-pressure hose M 22 × 1.5) with kink protection and threaded couplings at both ends. Further data: DN 10/155°C/220 bar.	
High-pressure hose, 20 m DN 10, 220 bar, extension	6	6.110-043.0	ID 10	220 bar	20 m		with union on both sides, M 22 x 1.5 with anti-kink protec- tion. NW 10/155°C/220 bar	
High-pressure hose, 25 m DN 10, extension, not rotatable	7	6.110-044.0	ID 10	220 bar	25 m			
Hose assembly premium DN10 22MPa 40m	8	6.110-045.0	ID 10	220 bar	40 m		_	
Hose assembly premium DN12 21MPa 15m	9	6.110-059.0	ID 12	210 bar	15 m		High-pressure hose for water volumes greater than 1,800 I, h. With union on both sides. 2x M 22 x 1.5 with anti-kink	/
Hose assembly premium DN12 21MPa 40m	10	6.110-060.0	ID 12	210 bar	40 m		protection.	
Hose assembly TR DN10 22MPa 10m	11	6.110-041.0	ID 10	220 bar	10 m			
High-pressure hose, 10 m DN 6,	12	6.110-035.0	ID 6	250 bar	10 m		10 m high-pressure hose (M 22 x 1.5) with kink protection.	1
AVS trigger gun connector	13	6.110-034.0	ID 6	250 bar	10 m		With patented rotating AVS trigger gun connector and manu al coupling. Further data: DN 6/155°C/250 bar.	)- [
High-pressure hose, 10 m, DN 6, 300 bar, AVS trigger gun connec- tion	14	6.110-056.0	ID 6	300 bar	10 m		With patented AVS connection in the trigger gun (pivot- mounted) and hand screw union. M 22 x 1.5 with anti-kink protection. NW 6/155°C/300 bar	0
Longlife 400 with unions on both si	des							
High-pressure hose Longlife 400, 30 m DN 8, including rotary coup- ling	15	6.110-023.0	ID 8	400 bar	30 m		With rotary coupling, 2 x M 22 x 1.5	
High-pressure hose Longlife 400, 20 m, DN 8, extension	16	6.110-027.0	ID 8	400 bar	20 m		with rotary coupling, 2 x M 22 x 1.5	
High-pressure hose Longlife 400, 15 m, DN 8, including rotary coup- ling	17	6.110-029.0	ID 8	400 bar	15 m		With rotary coupling, 2 x M 22 x 1.5	
High-pressure hose 1.5 m, DN 8, including connectors	18	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 pro- tection and connectors at both ends. For connecting to hose reels with appropriate connector (M 22 x 1.5).	0
Longlife 400 high-pressure hose, 1 x EASY!Lock, 1 x M22 x 1.5, DN 8, 400 bar, 1.5 m	19	6.110-069.0	ID 8	400 bar	1,5 m		High-pressure hose (ID 8) with double steel reinforcement, 1.5 m long, suitable for up to 400 bar pressure. Connectors: M 22 × 1.5, quick and convenient EASY!Lock hand screw connection.	
High-pressure hose packaged	20	6.110-038.0	ID 8	400 bar	10 m		Durable, 10 m long high-pressure hose (ID 8) with double steel reinforcement and EASY!Lock hand screw connection at both ends and ANTI!Twist. Approved for 400 bar pressu- re.	[

 $\blacksquare$  Included in delivery.  $\hfill\square$  Available accessories.  $\hfill\blacksquare$  Extension hose.



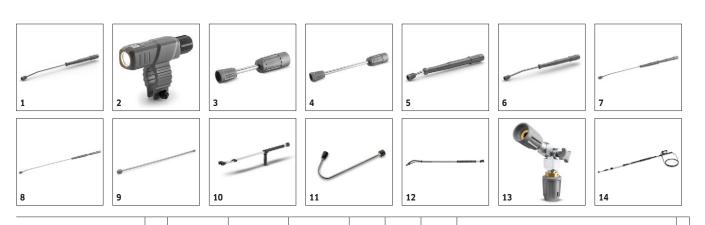
		Order Number	ID	Max. working pressure	Length	Price	Description
Food industry version with unions	on bot	h sides					
High-pressure hose, 10 m ID 8, suitable for food industry, extensi- on piece	21	6.110-051.0	ID 8	250 bar	10 m		10 m high-pressure hose (DN 8) with patented (rotating) AVS trigger gun connector. 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, extensi- on piece	22	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. Con- nectors at both ends, M 22 x 1.5, with kink protection. NW 8/155°C/250 bar.
High-pressure hose 15 m ID 6, AVS trigger gun connector 11 mm, suitable for food industry, grey	23	6.110-063.0	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.
Longlife food industry version with	unior	is on both sides					
Hlgh-pressure hose Longlife 400, 15 m, ID 6, AVS trigger gun con- nection	24	6.110-054.0	ID 8	400 bar	20 m		Longlife HP hose for use in the food industry. Außende- cke## animal-grease-resistant, non-colour-bleeding materi- al. With patented AVS connection in the pistol (pivot moun- ted)

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		Order Number	Flow Rate			Price	Description
Trigger guns				I	 		
EASY!Force Advanced	1	4.118-005.0					Effortless, not energy-sapping: the EASY!Force high-pressure gun uses the recoil force of the high-pressure jet to reduce the holding force for the operator to zero.
Conversion kit 1 from high pressu- re hose	2	4.111-050.0					A conversion kit which enables secure connection from an M22 hose onto our innovative EASY!Force trigger gun. The kit includes the EASY!Force Trigger gun, adaptors and lance.
Conversion kit 2 from device	3	4.111-051.0					Provides all the parts required to utilise our EASY!Force technology even on our non-Easy!Force machines. Including adaptors, lance, Easy!Force trigger gun and hose.
Conversion kit 3 only EASY!Force	4	4.111-052.0					A conversion kit for the EASY!Force gun, which includes the correct adaptors to conncect to the M22 style lance and hose.
Quick connect			-				
Quick-fitting pipe union coupler trapezo	5	2.115-000.0					For fast changes between different spray lances/accessories. Perfect for Kärcher spray unit, suitable for trigger gun/spray lance interface. With M 22 x 1.5 internal thread.
Quick-fitting pipe union plug nipp- le tra	6	2.115-001.0					Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 x 1.5 external thread.

 $\blacksquare$  Included in delivery.  $\hfill\square$  Available accessories.  $\hfill\blacksquare$  Extension hose.



		Order Number	Max. working pressure	Length	Price	Description	
Rotating spray lances							
1050 mm lance, rotatable, ergono- mic	1	4.112-000.0	300 bar	1050 mm		1050 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360° under pressure.	
Nozzle Light	2	2.680-002.0		125 mm		LED work light for assembly on EASY!Force spray lances, providing a clear view in poor lighting conditions ensuring controlled cleaning results.	
Lance 250 mm, non-rotatable	3	4.112-027.0	300 bar	250 mm		600 mm stainless steel lance (manual coupling) with ergono- mic handle for ease of use and protection. Rotatable 360° under pressure.	
400 mm rotatable lance	4	4.112-024.0	300 bar	400 mm		400 mm stainless steel lance (manual coupling) with ergono- mic handle for ease of use and protection. Rotatable 360° under pressure.	
Rotatable lance, 600 mm, ergono- mic	5	4.112-007.0	300 bar	600 mm		600 mm stainless steel lance (manual coupling) with ergono- mic handle for ease of use and protection. Rotatable 360° under pressure.	
Lance 850 mm, rotatable, ergono- mic	6	4.112-006.0	300 bar	840 mm		850 mm stainless steel lance (manual coupling) with ergono- mic handle for ease of use and protection. Rotatable 360° under pressure.	
Lance 1550 mm, rotatable, ergo- nomic	7	4.112-018.0	300 bar	1550 mm		1550 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360° under pressure.	
Lance 2050 mm, rotatable, ergo- nomic	8	4.112-021.0	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.	
Jet pipe extension TR 1000 mm	9	4.112-048.0	300 bar	1000 mm		Spray lance extension with EASY!Lock connection. Length 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							
WC and gutter lance	11	4.112-029.0				Stainless steel lance WC and gutter with nozzle insert. Spe- cially 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			For hard-to-reach areas: High-pressure articulated joint with infinite angle adjustment up to 120°. Simply attach directly to the spray lance of the pressure washer.	
Telescopic spray lance							
Telescopic jet pipe	14	4.112-037.0	225 bar	5400 mm		Can be continuously extended from 1.8 to 5.4 m. For cleaning areas that are difficult to reach, such as ceilings or facades. With integrated HD trigger gun, M 22 x 1.5 connection with rotary coupling. Connection for M 18 x 1.5 nozzles.	
Restraint belt for telescopic jet pipe	15	6.373-987.0				Convenient strap for relief when working with the telesco- pic spray lance (6.394-690). The burden is optimally distri- buted 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.	



		Order Number	Max. working pressure	Length		Price	Description
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.
Additional handle							
Additional handle for EASY!Lock spray lances	18	4.321-380.0					Comfortable in every situation – the additional handle is easy to attach to the spray lance of our new EASY!Lock generation and makes work easier by allowing you to adjust your posture to suit the particular task.



		Order Number	Max. working pressure	Nozzle size		Price	Description
Triple nozzles							
Triple jet nozzle 045	1	4.117-036.0	300 bar	45			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 $\times$ 1.5.

Included in delivery.  $\Box$  Available accessories.  $\blacktriangle$  Extension hose.



		Order Number	Nozzle size			Price	Description	
HP nozzle spray angle 0°			·					
High-pressure nozzle spray angle °0	1	2.113-033.0	45				High-pressure nozzle with powerful jet for extremely stub- born dirt.	
Power nozzle spray angle 15°								
Power nozzle spray angle $15^\circ$	2	2.113-046.0	45				Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	
Power nozzle spray angle 25°							·	
Power nozzle spray angle 25°	3	2.113-022.0	45				Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	
Power nozzle spray angle 40°								
Power nozzle spray angle $40^\circ$	4	2.113-053.0	45				Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	
■ Included in delivery. □ Av	ailable	e accessories.	▲ Extension ho	ise.	 			

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		Order Number					Price	Description
Nozzle union								
Nozzle screws	1	4.112-011.0						Nozzle screws with protectors for high-pressure and power nozzles
HP detergent injector					1 1			
Detergent injector for high and low pressure (without nozzles)	2	4.637-032.0						Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.
Detergent injector for high pressu- re	3	4.637-033.0						Cleaning agent dosage at high pressure 3 - 5 %
Machine-specific nozzle kit with o	der no	. 3.637-170						
Nozzle insert trapezoidal thread HD-GER.	4	4.769-005.0						For HD 500 - 700 I/h. Consists of nozzle insert + HP power nozzle + union
Nozzle insert with order no. 3.637	1							
Nozzle insert for Order No. 3.637- 001, high-pressure for machines up to 1100 l/h. Low pressure for units rated up to	5	4.769-003.0 4.769-001.0						Nozzle insert for detergent injector 3.637-001 for high-pressure detergent application. For high-pressure cleaners with a water flow rate up to 1100 l/h.         For low pressure with machines up to 1.100 l/h
1100 l/h Rotary coupling								
Rotary coupling	7	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	8	4.111-037.0			1 1		1	Brass double connector for connecting and extending high-
	0	4.111 037.0						pressure hoses. With rubber protection. Connector: 2x M 22 x 1.5 m.
Connector Nozzle connector/screw connector	9	4.111-022.0						Nozzle connector/screw connector for connecting high- pressure nozzles and accessories to the high-pressure trig- ger gun (with nozzle connector). Connectors: 1x M 22 x 1.5 and 1x M 18 x 1.5.
Y distributor	10	4.111-024.0						Offers the option to connect two spray units to the machine.
Short spray unit	11	4.111-038.0						For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles.
Adapter EASY!Lock		I	·	<u> </u>				
Adapter 1 M22AG-TR22AG	12	4.111-029.0						Adapter 1 to connect the old hose with the new hose
Adapter 2 M22IG-TR22AG	13	4.111-030.0						Adapter 2 to connect the old device with the new hose and the old gun with the new hose
Adapter 3 M22IG-TR22AG	14	4.111-031.0						Adapter 3 to connect the old gun with the new spray lance and new servo regulator
Adapter M22 - Swivel	15	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	16	4.111-033.0						Adapter 5 to connect the new gun with the old spray lance
Adapter 6 TR22IG-M22AG	17	4.111-034.0						and new servo regulator with the old spray lance     Image: Comparison of the serve serv

nozzle

nozzle

Adapter 7 to connect the old spray lance with the new

Adapter 8 to connect the new spray lance with the old

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

4.111-035.0

4.111-036.0

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Adapter 7 M18IG-TR20AG

Adapter 8 TR20IG-M18AG



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ľ	Order Number			Price	Description	
20	4.111-046.0				Rotatable adapter for connecting EASY!Force high-pressure	
					gun and high-pressure hoses with M 22x1.5 connection	
	20	 Order Number           20         4.111-046.0				

 $\blacksquare$  Included in delivery.  $\hfill\square$  Available accessories.  $\hfill A$  Extension hose.

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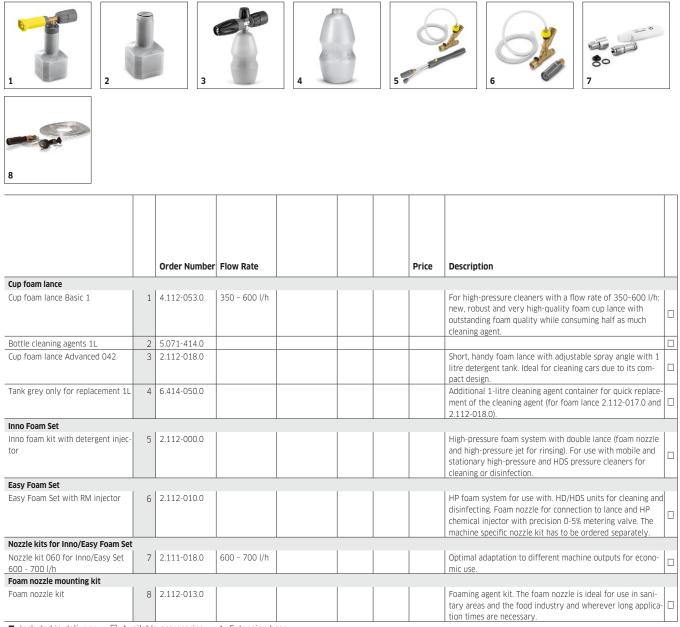


		Order Number	Max. working pressure	Nozzle size	Diame- ter	Price	Description	
Pipe cleaning hose, ID 6				I		 	1	
Hose assembly TR pipe cleaning DN6 14MPa	1	6.110-048.0	140 bar				10 m flexible high-pressure hose (DN 6) for cleaning pipes (threaded connection for R 1/8 nozzle).	
Pipe cleaning hose	2	6.110-049.0	140 bar				20 m flexible high-pressure hose (DN 6) for cleaning pipes (threaded connection for R 1/8 nozzle).	
Pipe cleaning hose, DN 6, 30 m	3	6.110-050.0	140 bar				30 m flexible high-pressure hose (DN 6) for cleaning pipes (threaded connection for R 1/8 nozzle).	
Pipe cleaning nozzle								
Dirt blaster pipe cleaning D21/060	4	4.765-002.0		60	21 mm		The forward-tilted rotating pencil jet removes the most	
Dirt blaster pipe cleaning D30/060	5	4.765-005.0		60	30 mm		stubborn dirt. The three backwards-tilted jets ensure the necessary forward movement, as well as convenient hand- ling.	C
Pipe cleaning nozzle	6	5.763-015.0		55	16 mm		16 mm pipe cleaning nozzle with internal thread. Various jet	t E
	7	5.763-020.0		65	16 mm		directions for environmentally-friendly cleaning of blocked drains and pipes.	
	8	5.763-017.0		50	30 mm		30 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	
Rotating pipe cleaning nozzle	9	6.415-428.0		50	16 mm		Rotating pipe cleaning nozzle with internal thread and four rotating jets for environmentally-friendly cleaning of blo- cked drains and pipes.	
Barrel and tank cleaning			-				• • • •	
Barrel cleaner BC 14/12	10	2.112-020.0					The barrel cleaner BC 14/12 is a spray unit for the internal cleaning of containers and drums - in particular oak barrels with a capacity between 225 and 600 liters.	

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■ Included in delivery. □ Available accessories.

▲ Extension hose.



		Order Number	Nozzle size		Price	Description
Wet blasting attachment (without n	ozzle)					
Wet blasting attachment with flow control (without nozzles)	1	4.115-000.0				Paint, rust and scale removal made easy: Kärcher wet blas- ting attachment with flow control for adding blasting abrasi- ve 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 blas- ting attachment with flow control for adding blasting abrasi- ve to the high-pressure jet. Without flow control.
Nozzle pack for wet blasting attach	ment					
Nozzle pack TR wet jet set 0045	3	2.112-022.0	45			Nozzle kit with wet blasting nozzle and nozzle insert (type specific). For optimal Kärcher wet blasting attachment performance. Only in combination with wet blasting attachment 4.115-000.0   4.115-006.0.
Boron carbide nozzle						
Boron carbide nozzle, for machi- nes as of 1000 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.

 $\blacksquare$  Included in delivery.  $\hfill\square$  Available accessories.  $\hfill\blacksquare$  Extension hose.



		Order Number		Price	De- scripti- on	
Geka coupling						
With hose nozzle, R 1/2"	1	6.388-461.0			with hose liner	
With hose nozzle, R 3/4"	2	6.388-455.0			with hose liner	
With hose nozzle, R 1"	3	6.388-465.0			with hose barb	
With female thread, R 3/4"	4	6.388-473.0			with female thread	
Suction filter						
Water filter	5	6.414-956.0			Suitable for ponds, storage tanks or similar, polyami- de filter casing, stainless steel strainer, 800 µm mesh, R 3/4" and R 1" connec- tion, without non- return valve	
Suction filter with check valve	6	4.730-012.0			Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	



			1			
		Order Number		Price	De- scripti- on	
Fine-mesh water filter						
Fine-mesh water filter with adapter	7	4.730-102.0			Fine- mesh water filter, 125 µm, max. tempe- rature 50°C. Protects the high- pressure cleaner from dirt particles contai- ned in the water. Water flow rate up to 1200 I/h. Connec- tion 3/4", with adapter, 1".	
Water supply hose Water supply hose	8	4.440-038.0			NW 13 R1" / R 3/4", up to 30 °C	
	9	4.440-207.0			NW 19 R1" / R 3/4", up to 85 °C, for pick-up	

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

HD 6/11-4 M Plus (110V), 1.524-901.0, 2020-07-24

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				De- scripti-	
		Order Number	Price	on	
Backflow check valve					
Backflow preventer	10	2.641-374.0		To pre- vent deter- gent getting into the drinking water cycle in case of inlet at low- pressu- re hot water resistant up to 80 °C - tes- ted accor- ding to IEC 60335- 2-79 - integ- rated leakage protec-	



		Order Number	Flow Rate		Price	Description	
Push-on washing brush			·	 			
Push-on washing brush	1	4.762-497.0				With clamp for mounting directly to units' double or triple nozzle. Fits on new double and triple nozzles.	
Push-on wash brush, M 18 x 1.5	2	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						• •	
Rotating wash brush for < 800 l/h machines, nylon bristles	3	4.113-004.0	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	4	4.113-003.0	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).	