KARCHER



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

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

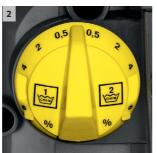














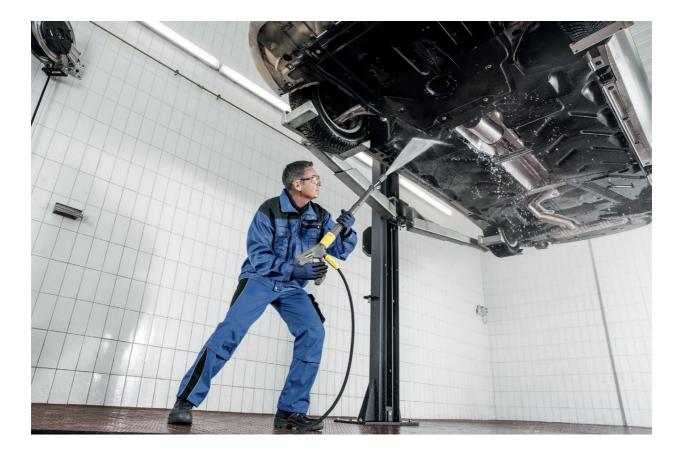


- 1 Save energy and time: EASY!Force high-pressure guns and EASY!Lock quick-release locks.
- At last work without getting tired: the EASY!Force high-pressure
- EASY!Lock quick-release locks: durable and robust. And five times faster than screws.
- 2 Switch-CHEM
- For accurate and variable cleaning agent 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.





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

Technical data		
Order Number		1.524-901.0
EAN code		4054278164908
Current type	Ph / V / Hz	1 / 110 / 50
Flow rate	I/h	250-600
Operating pressure	bar / MPa	30-110 / 3-11
Max. pressure	bar / MPa	140 / 14
Max. water feed temperature	°C	bis zu 60
Power rating	kW	2,9
Weight	kg	48
Dimensions (L x W x H)	mm	467 × 407 × 1010

E	qι	JİĻ	n	nei	nt

Trigger gun		EASY!Force
High-pressure hose	m	10
Spray lance	mm	1050
Triple nozzle (0°/25°/40°)		Manual
Dirt Blaster spray lance		
Anti-twist system (AVS)		-
Pressure switch control		
Servo Control		-

Included in delivery.































	Order Number	ID	Max. working pressure	Length	Price	Description
s						
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.
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.
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.
4	6.110-014.0	ID 8	315 bar	30 m		With rotary coupling, 2 x M 22 x 1.5
5	6.110-042.0	ID 10	220 bar	15 m		15 m high-pressure hose M 22 x 1.5) with kink protection and threaded couplings at both ends. Further data: DN 10/155°C/220 bar.
6	6.110-043.0	ID 10	220 bar	20 m		with union on both sides, M 22 x 1.5 with anti-kink protection. NW 10/155°C/220 bar
7	6.110-044.0	ID 10	220 bar	25 m		
8	6.110-045.0	ID 10	220 bar	40 m		,
9	6.110-059.0	ID 12	210 bar	15 m		High-pressure hose for water volumes greater than 1,800 l / h. With union on both sides. 2x M 22 x 1.5 with anti-kink
10	6.110-060.0	ID 12	210 bar	40 m		protection.
11	6.110-035.0	ID 6	250 bar	10 m		10 m high-pressure hose (M 22 x 1.5) with kink protection.
12	6.110-034.0	ID 6	250 bar	10 m		With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 6/155°C/250 bar.
13	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
ides						
14	6.110-023.0	ID 8	400 bar	30 m		With rotary coupling, 2 x M 22 x 1.5
15	6.110-027.0	ID 8	400 bar	20 m		with rotary coupling, 2 x M 22 x 1.5
16	6.110-029.0	ID 8	400 bar	15 m		With rotary coupling, 2 x M 22 x 1.5
17	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).
18	6.110-069.0	ID 8	400 bar	1,5 m]
		ID 8	400 bar	10 m		
1		l	1			1
	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.
21	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.
	2 3 4 5 6 7 8 9 10 11 12 13 ides 14 15 16 17 18 19 on bot 20 21	1 6.110-031.0 2 6.110-031.0 3 6.110-032.0 4 6.110-014.0 5 6.110-042.0 6 6.110-043.0 7 6.110-045.0 9 6.110-059.0 10 6.110-059.0 11 6.110-050.0 12 6.110-034.0 13 6.110-034.0 14 6.110-035.0 17 6.110-034.0 18 6.110-023.0 19 6.110-021.0 19 6.110-029.0 19 6.110-038.0 19 6.110-038.0 19 6.110-038.0 19 6.110-038.0 19 6.110-051.0	1 6.110-031.0 ID 8 2 6.110-030.0 ID 8 3 6.110-032.0 ID 8 4 6.110-014.0 ID 8 5 6.110-042.0 ID 10 6 6.110-043.0 ID 10 7 6.110-045.0 ID 10 9 6.110-059.0 ID 12 10 6.110-059.0 ID 6 12 6.110-034.0 ID 6 13 6.110-056.0 ID 6 14 6.110-030.0 ID 8 15 6.110-024.0 ID 8 16 6.110-029.0 ID 8 17 6.110-024.0 ID 8 18 6.110-038.0 ID 8 19 6.110-038.0 ID 8 10 both sides 20 6.110-051.0 ID 8 21 6.110-051.0 ID 8	Order Number ID	Note Number ID Pressure Length	Order Number ID







		Order Number	ID	Max. working pressure	Length	Price	Description
Food industry version							
High-pressure hose 15 m ID 6, AVS trigger gun connector 11 mm, suitable for food industry, grey	22	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	s on both sides					
HIgh-pressure hose Longlife 400, 15 m, ID 6, AVS trigger gun con- nection	23	6.110-054.0	ID 8	400 bar	20 m		Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With patented AVS connection in the pistol (pivot mounted)

 $[\]blacksquare$ Included in delivery. \square Available accessories. \blacktriangle Extension hose.









		Order Number	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.	
Quick connect							
Quick-fitting pipe union coupler trapezo	2	2.115-000.0					
Quick-fitting pipe union plug nipp- le tra	3	2.115-001.0					

[■] Included in delivery.

Available accessories.

Extension hose.





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

[■] Included in delivery.

Available accessories.

Extension hose.





			1		1	
			Max. working			
		Order Number		Length	Price	Description
Rotating spray lances			-			-
1050 mm lance, rotatable, ergono-	1	4.112-000.0	300 bar	1050 mm		1050 mm stainless steel lance (manual coupling) with ergo-
mic	_					nomic handle for ease of use and protection. Rotatable 360°
						under pressure.
Lance 250 mm, non-rotatable	2		300 bar	250 mm		
550 mm lance, non-rotatable	3	4.112-024.0	300 bar	400 mm		
Rotatable lance, 600 mm, ergono-	4	4.112-007.0	300 bar	600 mm		600 mm stainless steel lance (manual coupling) with ergono-
mic						mic handle for ease of use and protection. Rotatable 360° under pressure.
Lance 850 mm, rotatable, ergono-	5	4.112-006.0	300 bar	840 mm		850 mm stainless steel lance (manual coupling) with ergono-
mic	,	4.112 000.0	300 501	040111111		mic handle for ease of use and protection. Rotatable 360°
						under pressure.
Lance 1550 mm, rotatable, ergo-	6	4.112-018.0	300 bar	1550 mm		1550 mm stainless steel lance (manual coupling) with ergo-
nomic						nomic handle for ease of use and protection. Rotatable 360°
Lance 2050 mm, rotatable, ergo-	7	4.112-021.0	300 bar	2050 mm		under pressure. 2050 mm stainless steel lance (manual coupling) with ergo-
nomic	/	4.112-021.0	300 Dai	2030 111111		nomic 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 (
Angular spray lance						e.g. stable cleaning).
WC and gutter lance	9	4.112-029.0	I			Stainless steel lance WC and gutter with nozzle insert. Spe-
we and gotter lance	5	4.112-023.0				cially 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		4.112-037.0	225 bar	5400 mm		
Telescopic jet pipe	11	6.373-987.0	225 Dar	5400 mm		
Restraint belt for telescopic jet pipe	12	6.373-987.0				Convenient strap for relief when working with the telesco- pic spray lance (6.394-690). The burden is optimally distri-
pipe						buted 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
Undersonia na anno de mas						can be cleaned without removing the cover plates.
Undercarriage spray lance		4442 022 0		700		Christian short large for effective and account to
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.
Additional handle		1			 	wheel aren eleaning. Without high pressore hozzle.
	15	4.321-380.0				

^{15 4.321-380.0 ■} Included in delivery. □ Available accessories. ▲ Extension hose.





		Order Number			Price	Description
Y distributor						
Y distributor	1	4.111-024.0				

[■] Included in delivery.

Available accessories.

Extension hose.























			I		1 1			_
					Diame-			
		Order Number	Flow rate	Nozzle size	ter	Price	Description	
Hard Surface Cleaner FRV 30						•		
Add-on kit rubber lip	1	2.642-910.0					For smooth floors indoors. The squeegee increases the suction performance of the FRV 30 and minimises the amount of water remaining. This means the floor is dry in just a few minutes.	
Extension hose 5 m	2	4.440-939.0					5m extension hose for FRV 30. Connection sleeve included.	
Add-on kit hose attachment	3	2.642-528.0						Ε
Add-on kit dirt trap	4	2.642-532.0						
FRV 30	5	2.111-010.0						Ē
Hard surface cleaner FR 30								
FR 30	6	2.111-011.0			300 mm			
Hard surface cleaner FR 30 ME								П
FR 30 ME surface cleaner	7	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.	
Machine-specific nozzle kit for FR								
Nozzle kit for surface cleaners (type-specific) 650 - 850 l/h	8	2.639-187.0	650-850 l/h				Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (650 to 850 l/h).	
Machine-specific nozzle kits for FI	٧V							
Nozzle kit 045 for FRV 30	9	2.642-432.0		45				
Hard surface cleaner FRV 30 Me								
Suction hose FRV 30 me	10	4.441-040.0						
FRV 30 ME	11	2.111-012.0						
Surface Cleaner FR 50 Me								
	12	2.111-024.0						

[■] Included in delivery.

Available accessories.

Extension hose.































		Order Number			Price	Description	
Nozzle union							
Protection part TR only for repla- cement	1	4.112-011.0					
Coupling parts							
	2	6.987-705.0					
Rotary coupling			I	1			
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			ı				
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		4.111-029.0					
Adapter 2 M22IG-TR22AG	8	4.111-030.0					F
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 connec- tion.	
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 pressu- re	16	4.637-033.0				Cleaning agent dosage at high pressure 3 - 5 %	
Machine-specific nozzle kit with or	der no	. 3.637-170					
Machine-specific nozzle kit with order no. 3.637-170.0 HD 500- 700 l/h	17	4.769-045.0				For HD 500 - 700 l/h. Consists of nozzle insert + HP power nozzle + union	
Nozzle insert with order no. 3.637-	001						
Nozzle insert for Order No. 3.637- 001, high-pressure for machines up to 1100 l/h.	18	4.769-003.0				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.	
Low pressure for units rated up to 1100 l/h	19	4.769-001.0				For low pressure with machines up to 1.100 l/h	













		Order Number	Max. working pressure	Nozzle size	Diame- ter	Price	Description
Barrel and tank cleaning							
	1	2.112-020.0					
Pipe cleaning hose, ID 6							
Hose assembly TR pipe cleaning DN6 14MPa	2	6.110-048.0	140 bar				
Pipe cleaning hose	3	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	4	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							
Drain cleaning dirt blaster D 25/060	5	6.415-945.0		60	25 mm		The forward-tilted rotating pencil jet removes the most stubborn dirt. The three backwards-tilted jets ensure the
Drain cleaning dirt blaster D 30/060	6	6.415-947.0		60	30 mm		necessary forward movement, as well as convenient handling.
Drain cleaning dirt blaster D 35/060	7	6.415-949.0		60	35 mm		
Pipe cleaning nozzle	8	5.763-015.0		55	16 mm		16 mm pipe cleaning nozzle with internal thread. Various jet 🗌
	9	5.763-020.0		65	16 mm		directions for environmentally-friendly cleaning of blocked drains and pipes.
	10	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	11	6.415-428.0		50	16 mm		Rotating pipe cleaning nozzle with internal thread and four rotating jets for environmentally-friendly cleaning of blocked drains and pipes.

[■] Included in delivery.

Available accessories.

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 stubborn dirt. $\hfill\Box$
Power nozzle spray angle 15°							
Power nozzle spray angle 15°	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°	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.

Available accessories.

Extension hose.







		Order Number	Nozzle size		Price	Description
Wet blasting attachment (without r	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: Kārcher wet blasting attachment with flow control for adding blasting abrasive 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			
Boron carbide nozzle						
Boron carbide nozzle, for machines 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.

[■] Included in delivery.

Available accessories.

Extension hose.













		Order Number	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 Set						
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.
Easy Foam Set						
Easy Foam Set with RM injector	4	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.
Nozzle kits for Inno/Easy Foam Set						
Nozzle kit 060 for Inno/Easy Set 600 - 700 l/h	5	2.111-018.0	600-700 l/h			Optimal adaptation to different machine outputs for economic use.
Foam nozzle mounting kit						
Foam nozzle kit	6	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.

















		Order Number	Longth		Price	Description
Automatic. self-winding hose reels		Order Northber	Length		FIICE	Description
Add-on kit hose reel plastics	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.
Add-on kit hose reel	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.
Hose reel, automatic, 20 m, painted	3	6.392-106.0	20 m			Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.
	4	6.392-105.0	20 m			
Hose reel, automatic, 20 m, stainless steel	5	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	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 corrossion-resistant, watertight capsuled sprong drive. Connection for HP hoses with nipple.
Swivel holder	7	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	8	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.











	1						_
		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							
	3	4.113-004.0	500-800 l/h				
	4	4.113-003.0	500-800 l/h				

[■] Included in delivery.

Available accessories.

Extension hose.

















		Order Number	Length	Diameter		Price	Description
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 female thread, R 3/4"	4	6.388-473.0					with female thread
Suction filter							
Water filter	5	6.414-956.0					
Suction filter with check valve	6	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	7	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".
Water supply hose							
Water supply hose	8	4.440-038.0	7,5 m				NW 13 R1" / R 3/4", up to 30 °C
	9	4.440-207.0	7,5 m				NW 19 R1" / R 3/4", up to 85 °C, for pick-up
Backflow check valve							
Backflow preventer	10	2.641-374.0					To prevent detergent getting into the drinking water cycle in case of inlet at low-pressure hot water resistant up to 80 °C - tested according to IEC 60335-2-79 - integrated leakage protection

[■] Included in delivery.

Available accessories.

Extension hose.