

HDS 13/20 -4 ST EU-I

Designed for continuous use without compromise: the HDS 13/20-4 St stationary hot water high-pressure cleaner with oil burner cleans by delivering up to 1300 litres of water per hour at 200 bar pressure.



Order no.

1.699-932.0

Technical data

EAN code		4054278989327
Number of current phases	Ph	3
Voltage	V	400
Frequency	Hz	50
Flow rate	l/h	min. 700 - max. 1300
Working pressure	bar	200
Max. pressure	bar	235
Temperature (for supply 12 °C)	°C	max. 80
Inlet temperature	°C	max. 30
Connected load	kW	9.5
Consumption of fuel oil at full load	kg/h	9.1
Heat energy	kW	108
Power cable	m	5
Water inlet		1"
Number of users at one time		1
Portability		stationary
Protection	A	25
Weight (with accessories)	kg	160
Weight incl. packaging	kg	170
Dimensions (L x W x H)	mm	1142 x 578 x 790

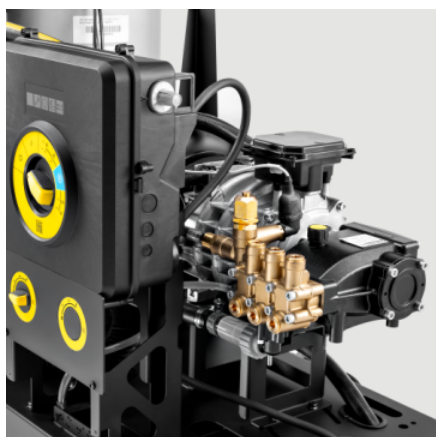
Scope of supply

- Flame monitoring
- Prepared for Servo Control
- Prepared for remote operation
- Power nozzle
- Detergent function: Suction

Equipment

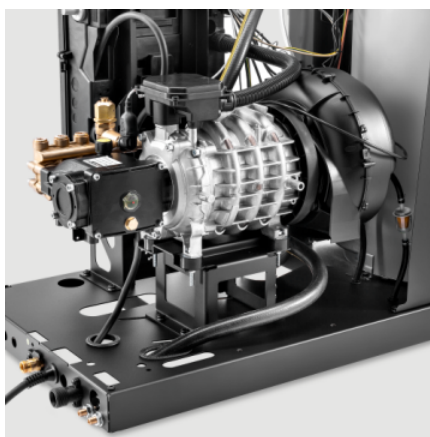
- Oil dipstick
- Sight glass for oil level
- Pre-equipped for a detergent inlet
- RM1 dosage
- Dry-running protection
- Large water fine filter
- Storage tank with float valve
- Crankshaft pump with ceramic pistons
- Water-cooled motor
- Frame and cover: Steel, powder-coated

This machine requires instruction.



High-performance crankshaft pump

- Robust crankshaft pump with brass cylinder head and high-quality materials ensure a long service life.
- 15 kW Kärcher crankshaft pump
- Longer service life, less maintenance effort and lower costs. Ideal for industrial use.



4-pole low-speed electric motor

- Water-cooled motor for a high performance and long service life.
- 4-pole, slow-running electric motor guarantees a long working time.
- High performance and high efficiency.



Reliable Kärcher burners with maximum efficiency

- High-output oil burner with upright heating coil and detonation-free continuous ignition.
- With proven and efficient Kärcher burner technology for low fuel consumption.
- Burner with high effectiveness (> 91%), low fuel consumption and very low exhaust emissions.

ACCESSORIES FOR HDS 13/20 -4 ST EU-I

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		Order no.	Description	
KÄRCHER POWER NOZZLE				
Power nozzle spray angle 25°				
Power nozzle , 070	1	2.113-028.0	Fan jet nozzle for large-area coverage and stubborn dirt and stains.	■
Power nozzle 25°, 070	2	2.883-404.0	Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	☐
Power nozzle 25°, 072	3	2.883-926.0		☐
Power nozzle 25°, 075	4	2.883-405.0	Fan jet nozzle for large-area coverage and stubborn dirt and stains	☐
Power nozzle , 080	5	2.883-406.0	Fan jet nozzle for large area coverage and tackling stubborn dirt and stains.	☐
Power nozzle 25°, 072	6	2.113-013.0	Fan jet nozzle for large-area coverage and stubborn dirt and stains.	☐
Power nozzle 25°, 075	7	2.113-014.0	Fan jet nozzle for large-area coverage and stubborn dirt and stains	☐
Power nozzle , 080	8	2.113-015.0	Fan jet nozzle for large-area coverage and stubborn dirt and stains.	☐
HP nozzle spray angle 0°				
Power nozzle 0°, 075	9	2.113-037.0	High-pressure nozzle with powerful jet for extremely stubborn dirt.	☐
	10	2.884-540.0		☐
Power nozzle 0°, 080	11	2.113-038.0		☐
	12	2.884-541.0		☐
Power nozzle spray angle 15°				
Power nozzle 15°, 070	13	2.113-049.0	Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	☐
Power nozzle 15°, 075	14	2.113-050.0		☐

■ Included in the scope of supply. □ Available accessories.

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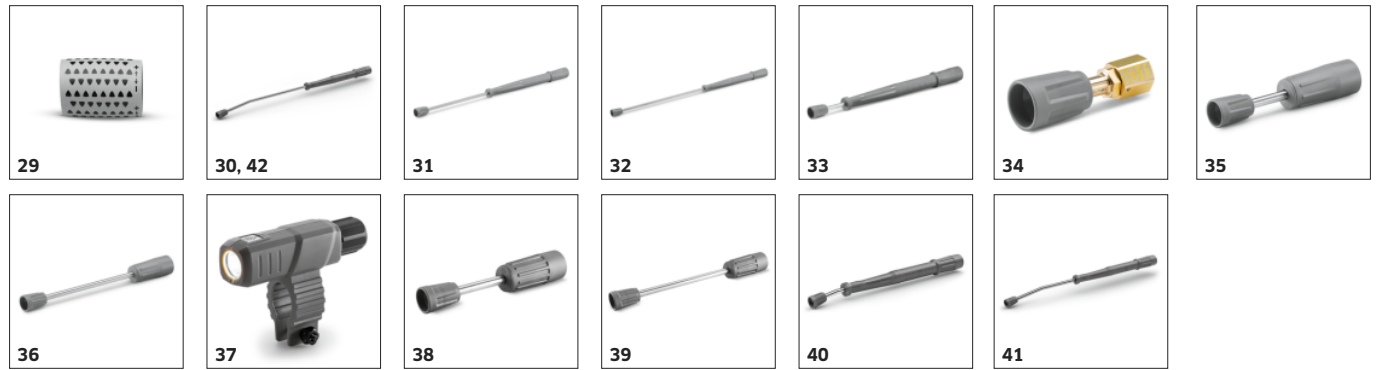


		Order no.	Description	
KÄRCHER POWER NOZZLE				
Power nozzle spray angle 15°				
Power nozzle 15°, 080	15	2.113-051.0	Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	☐
Power nozzle 15°, 070	16	2.883-392.0		☐
Power nozzle 15°, 075	17	2.883-393.0		☐
Power nozzle 15°, 080	18	2.883-394.0		☐
Power nozzle spray angle 40°				
Power nozzle 40°, 075	19	2.113-056.0	Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	☐
Power nozzle 40°, 080	20	2.113-057.0		☐
Power nozzle 40°, 075	21	2.884-526.0		☐
Power nozzle 40°, 080	22	2.884-527.0		☐
TRIGGER GUNS				
Spray guns				
Pistol TR 155°C with package	23	4.119-002.0	Classic spray gun with valve. Also suitable for Kärcher hot water high-pressure cleaners.	☐
M22 Classic spray gun	24	4.760-843.0		☐
EASY!Force Advanced	25	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.	☐
EASY!Force Food	26	4.118-015.0	Perfect for the food industry: the EASY!Force high-pressure gun with full ceramic valve enables fatigueless working due to virtually zero holding force for the operator.	☐
High-End HD Trigger Gun	27	4.118-011.0	Trigger gun for professional use in the food industry and general industrial applications. Designed for water flow rates of up to 2500 l/h.	☐
Servo control				
Servo Control, 1100 l/h -	28	4.118-009.0	Water quantity and pressure regulated directly from the hand spray gun.	☐

☐ Available accessories.

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		Order no.	Description	
TRIGGER GUNS				
Servo control				
Servo Control, 1100 l/h -	29	4.775-471.0	Water quantity and pressure regulated directly from the hand spray gun.	☐
SPRAY LANCES				
Rotating spray lances				
Jet pipe explosion protected only for re, 1050 mm, rotatable	30	4.112-034.0	1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Jet pipe with transport packaging, 840 mm	31	4.119-003.0	Rotating Classic spray lance with handle bowls in a stainless steel design. Also suitable for Kärcher hot water high-pressure cleaners.	☐
Spray lance Classic EASY!Lock, 1050 mm	32	4.119-008.0	High-pressure spray lance with EASY!Lock screw connections from the Classic series from Kärcher. Also suitable for Kärcher hot water high-pressure cleaners.	☐
Jet pipe TR 600mm with package, 600 mm	33	4.119-009.0	Rotating Classic spray lance with handle bowls in a stainless steel design. Also suitable for Kärcher hot water high-pressure cleaners.	☐
Jet pipe Classic TR 100mm, 100 mm	34	4.119-013.0		☐
Jet pipe Classic TR 200mm, 200 mm	35	4.119-014.0		☐
Jet pipe Classic TR 400mm, 400 mm	36	4.119-015.0		☐
LED nozzle light	37	2.680-002.0	Bright, lightweight LED work light for direct mounting on spray lance of EASY!Force high-pressure gun. Better view in unfavourable lighting conditions for up to 5 working hours.	☐
Spray lance, 250 mm, rotatable	38	4.112-027.0	Spray lance, 250 mm, rotatable, ergonomic	☐
Spray lance, 400 mm, rotatable	39	4.112-024.0	Spray lance, 400 mm, rotatable, ergonomic	☐
Spray lance, 600 mm, rotatable	40	4.112-007.0	600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Spray lance, 840 mm, rotatable	41	4.112-006.0	850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Spray lance, 1050 mm, rotatable	42	4.112-000.0	1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐

☐ Available accessories.

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		Order no.	Description	
SPRAY LANCES				
Rotating spray lances				
Spray lance, 1550 mm, rotatable	43	4.112-018.0	1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Spray lance, 2050 mm, rotatable	44	4.112-021.0	2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Spray lance, 600 mm, rotatable	45	4.760-664.0	600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Spray lance, 840 mm, rotatable	46	4.760-663.0	850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Spray lance, 1050 mm, rotatable	47	4.760-660.0	1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Spray lance, 1550 mm, rotatable	48	4.760-661.0	1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Spray lance, 2050 mm, rotatable	49	4.760-662.0	2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Spray lance				
Spray lance Classic 1,050 mm	50	4.760-855.0	High-pressure spray lance with M 22 screw connections from the Classic series from Kärcher. Also suitable for hot water high-pressure cleaners.	☐
Jet pipe 600mm with package	51	4.760-856.0		☐
Jet pipe Classic M 200mm	52	4.760-887.0		☐
Jet pipe Classic M 400mm	53	4.760-888.0		☐
Jet pipe Classic M 840mm	54	4.760-895.0		☐
250 mm lance, non-rotatable	55	4.760-667.0	250 mm stainless steel lance. With manual coupling. Non-rotatable.	☐
550 mm lance, non-rotatable	56	4.760-665.0	550 mm stainless steel lance. With manual coupling. Non-rotatable.	☐

☐ Available accessories.

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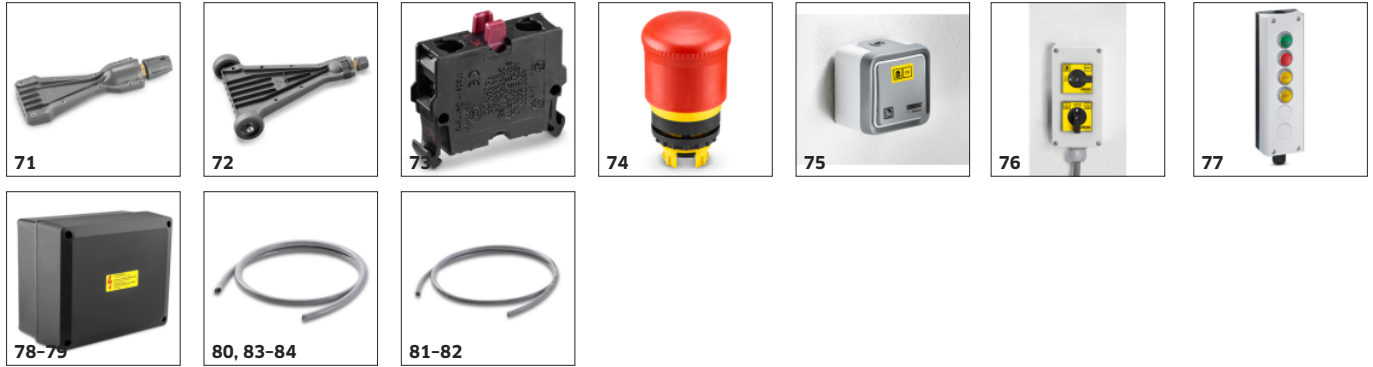


		Order no.	Description	
SPRAY LANCES				
Double lance				
Double lance, 960 mm	57	2.112-016.0	960 mm double lance for variable pressure adjustment on handle at full water flow rate. Suitable for agricultural use (e.g. stable cleaning).	☐
	58	6.394-665.0		☐
Flexible spray lance				
Flexible lance, 1050 mm	59	4.112-035.0	1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.	☐
High pressure articulated joint	60	4.112-057.0	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.	☐
	61	4.481-039.0	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.	☐
Jet pipe flexible 0,85m, 850 mm	62	6.394-655.0	1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.	☐
Flexible lance, 1050 mm	63	6.394-654.0		☐
Undercarriage spray lance				
Underbody lance	64	4.112-032.0	Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	☐
	65	4.760-245.0		☐
Additional handle				
Additional handle for EASY!Lock spray lances	66	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. Regularly changing your posture relieves the strain on your body, making work more relaxed. Thanks to the 360°-rotatable spray lance, the additional handle can simply be fully rotated whilst working for greater flexibility.	☐
ROTARY NOZZLES (DIRT BLASTERS)				
Dirt blaster, large				
Dirt blaster, large, 070/080	67	4.114-030.0	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.	☐
Dirt blaster, 070/080	68	4.763-254.0		☐
Classic rotary nozzle				
Rotor nozzle TR 080	69	4.119-026.0	The powerful rotating point jet of the Classic rotary nozzle from Kärcher ensures the best possible cleaning results and is suitable for water temperatures of up to 60 °C.	☐
Rotary nozzle M 080 with package	70	4.760-872.0		☐

☐ Available accessories.

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		Order no.	Description	
ECO!BOOSTER				
eco!Booster TR 080	71	2.113-089.0	eco!Booster with 50% higher area performance than the Kärcher power nozzle; ideal for delicate surfaces. For cold and hot water high-pressure cleaners (nozzle size 080).	☐
Eco!Booster MAX TR 080	72	2.113-099.0	eco!Booster MAX: 100 percent higher area performance compared to the Kärcher standard flat jet nozzle.	☐
REMOTE CONTROL				
Emergency stop switch - for installation in remote control 2.744-015	73	6.635-434.0		☐
	74	6.651-485.0		☐
Remote release button	75	2.637-491.0	Remote release button for stationary high-pressure cleaners from Kärcher: resets the switch-off after 30 minutes of continuous operation or continuous pause.	☐
Remote control I-O, hot/cold, detergent 1-2	76	2.744-008.0	Remote control for controlling a stationary hot water high-pressure cleaner. Functions: on/off, hot/cold water and dosing of up to two detergents (RM1/RM2).	☐
Multi-key remote control I/O, hot/cold, RM 1/2	77	2.744-011.0	Multi-key remote control for switching on and off, selecting cold/hot operation and dosing up to two detergents (RM1/RM2). Can be used in conjunction with the E-box.	☐
Add-on kit remote control 1 for HD-HDS-Stationary	78	2.744-017.0	Preparation for connecting rotary switch remote controls and emergency stop buttons to stationary cold and hot water high-pressure cleaners from Kärcher.	☐
Add-on kit remote control 2 for HD-HDS-Stationary	79	2.744-018.0	Preparation for connecting push-button remote controls and emergency stop buttons to stationary cold and hot water high-pressure cleaners from Kärcher.	☐
CONTROL CABLE				
Control cable	80	6.647-222.0	Connection cable available as bulk stock (12 × 1.0 mm ²) for use as control cable. For all stationary HD/HDS machines from Kärcher.	☐
Control cable 3 × 1.5 mm ²	81	6.641-059.0	Connecting cable 3 × 1.5 mm ² . Available by the meter.	☐
Control cable 5 × 1.5 m	82	6.641-061.0	Control cable 5 × 1.5	☐
Control cable 7 × 1.5 m	83	6.641-064.0	Control cable 7 × 1.5	☐
Control cable 10 × 1.5 m	84	6.641-082.0	Control cable 10 × 1.5	☐

☐ Available accessories.

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		Order no.	Description	
CONTROL CABLE				
Conduit	85	2.420-008.0	Conduit for control cable installation. Consisting of 3 m conduit, 5x conduit clips, 5x dowels, 5x screws.	☐
HIGH-PRESSURE PIPEWORK				
High-pressure pipe kit	86	2.420-006.0	High-pressure pipe kit with 3 m stainless pipe Ø 16 × 2 mm, ID 12 and mounting accessories: compression fitting, 4 pipe clamps, 4 hanger bolts and 4 plastic dowels.	☐
Connection piece, pipe/HP hose, stainless steel (Ermeto)	87	2.638-181.0	Stainless steel	☐
Connection piece, pipe/stop cock, stainless steel (Ermeto)	88	2.638-183.0	For stationary HD/HDS machines: Stainless steel transition piece comprising double nipple, union nut and cutting ring. For connecting the pipe to the shut-off valve.	☐
Union nut, stainless steel (Ermeto)	89	6.386-428.0	(VA)	☐
T-screw connection, stainless steel (Ermeto)	90	6.386-465.0	Stainless steel	☐
Stainless steel elbow union 90°	91	6.386-466.0	Stainless steel elbow union 90° with compression fitting (Ermeto) at both ends for 16 mm pipes.	☐
Connector, galvanised steel	92	2.638-180.0	Alternativ : stainless steel 2.638-181	☐
Pipe kit, galvanised steel, 3 m	93	2.420-004.0	High-pressure pipe kit with 3 m galvanised steel pipe Ø 16 × 2.5 mm, DN 11 and fixing accessories: Compression fitting, 4 pipe clamps, 4 hanger bolts and 4 plastic dowels.	☐
Tee, galvanised steel	94	6.386-269.0	Tee (90°), galvanised steel with compression fitting for 16 mm pipes. Fixing material (Ermeto) included.	☐
Elbow union, galvanised steel	95	6.386-356.0	Elbow union, galvanised steel. With 90° angle piece with compression fitting (Ermeto) at both ends for 16 mm pipes.	☐
Adapter piece, galvanised steel	96	2.638-182.0	Alternative: stainless steel 2.638-183	☐
Union nut, galvanised steel	97	6.386-423.0	Union nut, galvanised steel. For 16 mm compression fitting.	☐
Cutting ring	98	6.386-357.0	Galvanised steel cutting ring. For 16 mm compression fitting.	☐

☐ Available accessories.

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		Order no.	Description	
PLANT INSTALLATION				
Fine-mesh water filter	99	2.209-806.0	Fine-mesh water filter	☐
HOSE TRACK SYSTEM HIGH-PRESSURE CLEANERS				
C-rail holder	100	6.541-027.0	Wall-mounted C-rail holding clamp for hose guide of Kärcher high-pressure cleaners.	☐
C-rail, per running metre	101	6.233-017.0	C-rail profile as a guide track. 30x32 mm, 2 mm wall thickness 1.56 kg/m. Available per running metre.	☐
Rail connector	102	6.541-011.0	Rail connector	☐
End stop	103	6.541-025.0	End stop	☐
Cable trolley	104	6.541-026.0	Cable trolley for C-rail profile. 20 kg capacity. Weight 0.11 kg. Galvanised steel ball bearing.	☐
End bracket	105	6.541-028.0	End bracket	☐
Handle	106	6.541-029.0	C-rail profile clamp. Galvanised steel. Plastic clamping parts. Weight 0.06 kg.	☐
Wall bracket	107	6.541-039.0	Wall holder for galvanised steel C-rail profile.	☐
Rail holder wall	108	6.541-012.0	Galvanised steel rail bracket for C-rail profile. Weight 0.235 kg.	☐
Spray lance runner, movable	109	4.042-610.0	moveable	☐
FLUE PIPE				
Exhaust pipe adapter 76x157mm D199	110	4.656-079.0	Exhaust gas nozzle (oval connection, diameter 157 mm) for connection to the hot water high-pressure cleaner. With draught diverter for flue tube connection. For flue tube diameter up to 200 mm.	☐
FUEL SUPPLY				
Hose kit, fuel oil	111	2.440-001.0	Fuel hose kit for stationary HDS cleaning systems. Contents: 2 fuel oil hoses (DN 4, 1m) for flow and return, 2 galvanised steel compression fittings.	☐
Fuel oil filter	112	4.730-033.0	Fuel oil filter with sight-glass for wall mounting. Flow shut-off device. Connection on burner side: M 12 x 1.5 for compression fitting union; Connection on supply side: 3/8" IG. Fixing material included.	☐

☐ Available accessories.

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		Order no.	Description	
FUEL SUPPLY				
Pipework set heating oil (5 m)	113	4.421-208.0	Fuel oil pipe kit (5 m)	☐
Suction pipeline, heating oil	114	4.421-068.0	Fuel suction pipe	☐
Heating oil tank, 700 l	115	6.392-071.0	Double-walled fuel oil tank with 700 l capacity, consisting of an inner tank made of high-quality polyethylene and an outer tank made of galvanised sheet steel.	☐
SEALS FOR TRAPEZOIDAL THREAD				
Gasket set with 9x O-rings for TR thread	116	2.880-001.0		☐
NOZZLE UNION / SPACER				
Nozzle union				
Nozzle screws	117	4.112-011.0	Nozzle screws with protectors for high-pressure and power nozzles	☐
Nozzle connector	118	5.401-210.0	For protecting and connecting Kärcher power nozzles to spray lances (M 18 × 1.5 IG).	☐
HIGH-PRESSURE HOSES				
Standard				
High-pressure hose, 20 m, ID 8, 315 bar, 1 × EASY!Lock / 1 × AVS-hose reel connection	119	6.110-011.0	High-pressure hose with AVS hose reel connection and EASY!Lock hand screw connection.	☐
High-pressure hose, 10 m, ID 8, 315 bar, 1 × M22 × 1.5 / 1 × AVS-hose reel connection	120	6.390-025.0	10 m high-pressure hose (M 22 × 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, 315 bar, 1 × M22 × 1.5 / 1 × AVS-hose reel connection	121	6.390-185.0	15 m high-pressure hose (M 22 × 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, 315 bar, 1 × M22 × 1.5 / 1 × AVS-hose reel connection	122	6.390-171.0	20 m high-pressure hose (M 22 × 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	☐
Standard with unions on both sides				
High-pressure hose, 10 m, ID 10, 220 bar, 2 × EASY!Lock	123	6.110-041.0	Impressive values and basic equipment: 10 m long high-pressure hose (DN 10) developed for pressures up to 220 bar.	☐
High-pressure hose, 10 m, ID 8, 315 bar, 2 × M22 × 1.5	124	6.391-342.0	To extend the operating radius with the high-pressure cleaner. Connection on both sides M22 × 1.5.	☐
High-pressure hose, 15 m, ID 8, 315 bar, 2 × M22 × 1.5	125	6.390-010.0	With screw connections on both sides, M 22 × 1.5 with bend protection.	☐
High-pressure hose, 20 m, ID 8, 315 bar, 2 × M22 × 1.5	126	6.390-031.0	Screw connections at both ends, M 22 × 1.5, with kink protection.	☐

☐ Available accessories.

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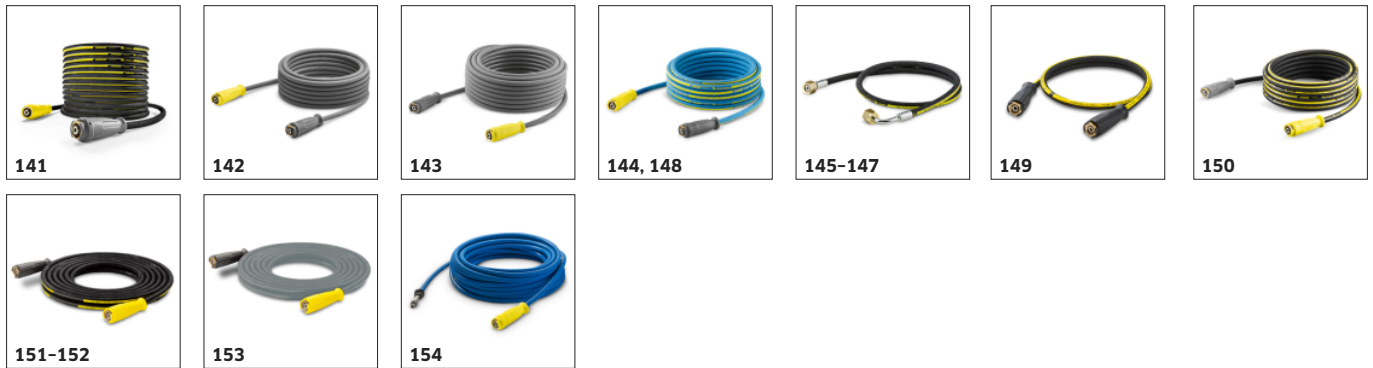


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HIGH-PRESSURE HOSES				
Standard with unions on both sides				
High-pressure hose, 10 m, ID 8, 315 bar, 2 × EASY!Lock	127	6.110-031.0	High-pressure hose (DN 8) suitable up to 315 bar pressure. With innovative EASY!Lock manual screw fitting on both sides, ANTI!Twist and 10 m long.	☐
High-pressure hose, 15 m, ID 8, 315 bar	128	6.110-033.0	15 m high-pressure hose, DN 8, fitted with EASY!Lock manual screw connections at both ends.	☐
High-pressure hose, 15 m, ID 8, 315 bar, 2 × EASY!Lock	129	6.110-030.0	15 m long high-pressure hose, DN 8, with ANTI!Twist and time-saving EASY!Lock manual screw fitting on both sides.	☐
High-pressure hose, 15 m, ID 10, 220 bar, 2 × M22 × 1.5	130	6.390-023.0	Connectors at both ends, M 22 × 1.5, with kink protection.	☐
High-pressure hose, 20 m, ID 8, 315 bar, 2 × EASY!Lock	131	6.110-032.0	High-pressure hose (DN 8) with a length of 20 m and EASY!Lock manual screw fitting on both sides. Approved for max. 315 bar pressure.	☐
High-pressure hose, 15 m, ID 10, 220 bar, 2 × EASY!Lock	132	6.110-042.0	Equipped with innovative EASY!Lock manual screw fitting and suitable for pressures up to 220 bar: 15 m long high-pressure hose (DN 10).	☐
High-pressure hose, 20 m, ID 10, 220 bar, 2 × EASY!Lock	133	6.110-043.0	20 m in length and the extremely time-saving and comfortable EASY!Lock manual screw fitting on both sides are some of the main features of this high-pressure hose (DN 10).	☐
High-pressure hose, 25 m, ID 10, 220 bar, 2 × EASY!Lock	134	6.110-044.0	Impressive values and basic equipment: 25 m long high-pressure hose (DN 10) developed for pressures up to 220 bar.	☐
High-pressure hose, 40 m, ID 10, 220 bar, 2 × EASY!Lock	135	6.110-045.0	40 m long high-pressure hose with EASY!Lock system for the time-saving manual screw connection (both sides). Nominal size (DN) 10, working pressure up to 220 bar.	☐
High-pressure hose, 15 m, ID 12, 210 bar, 2 × EASY!Lock	136	6.110-059.0	Designed for working pressures up to 250 bar: High-pressure hose (DN 12) with a length of 15 m. Has the comfortable EASY!Lock manual screw fitting on both sides.	☐
Longlife 400				
High-pressure hose Longlife, 20 m, ID 8, 400 bar, 1 × EASY!Lock / 1 × AVS-hose reel connection	137	6.110-028.0	20 m high-pressure hose (ID 8), for up to 400 bar pressure. With AVS hose reel connection and double steel reinforcement. EASY!Lock hand screw connection at other end of the hose.	☐
High-pressure hose Longlife, 40 m, ID 8, 400 bar, 1 × EASY!Lock / 1 × AVS-hose reel connection	138	6.110-076.0	High-pressure hose with 2-compartment steel insert, AVS hose reel connection, as well as EASY!Lock manual screw connection.	☐
High-pressure hose Longlife, 20 m, ID 8, 400 bar, 1 × M22 × 1.5 / 1 × AVS-hose reel connection	139	6.390-208.0	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.	☐
Longlife 400 with unions on both sides				
High-pressure hose Longlife, 1.5 m, ID 8, 400 bar, 2 × EASY!Lock	140	6.110-024.0	1.5 m high-pressure hose (DN 8) with EASY!Lock manual screw fitting on both sides. Designed for max. 400 bar pressure.	☐

☐ Available accessories.

ACCESSORIES FOR HDS 13/20 -4 ST EU-I

1.699-932.0



		Order no.	Description	
HIGH-PRESSURE HOSES				
Longlife 400 with unions on both sides				
High-pressure hose Longlife, 1,5 m, ID 8, 400 bar, 1 × EASY!Lock / 1 × M22 × 1.5	141	6.110-069.0	1.5 m long high-pressure hose (DN 8) suitable for up to 400 bar pressure with double steel core. Connections: M 22 × 1.5, as well as the comfortable and quick EASY!Lock manual screw fitting.	☐
High-pressure hose Longlife, 1,5 m, ID 8, 400 bar, 2 × M22 × 1.5	142	6.390-178.0	1.5 m high-pressure hose (DN 8, M 22 × 1.5) with kink protection and connectors at both ends. For connecting to hose reels with appropriate connector (M 22 × 1.5).	☐
High-pressure hose Longlife, 10 m, ID 8, 400 bar, 2 × EASY!Lock	143	6.110-038.0	10 m long high-pressure hose (DN 8) with double steel core, EASY!Lock manual screw fitting on both sides, and ANTI!Twist. Approved for max. 400 bar pressure.	☐
High-pressure hose Longlife, 10 m, ID 8, 400 bar, 2 × M22 × 1.5	144	6.388-083.0	10 m high-pressure hose Longlife 400 (DN 8) with rotary coupling, two layer high-strength steel wire reinforced. Connectors at both ends. M 22 × 1.5, with kink protection.	☐
High-pressure hose Longlife, 30 m, ID 8, 400 bar, 2 × EASY!Lock	145	6.110-023.0	High-pressure hose with double steel core, ANTI!Twist and EASY!Lock manual screw fitting on both sides. Nominal size DN 8, 30 m long, approved for max. 400 bar pressure.	☐
High-pressure hose Longlife, 20 m, ID 8, 400 bar, 2 × EASY!Lock	146	6.110-027.0	High-pressure hose with ANTI!Twist, EASY!Lock manual screw fittings and double steel core. 20 m long, nominal size DN 8, EASY!Lock manual screw fitting on both sides.	☐
High-pressure hose Longlife, 15 m, ID 8, 400 bar, 2 × EASY!Lock	147	6.110-029.0	The double steel core ensures a particularly long life of this 15 m long high-pressure hose (DN 8), which is approved for pressures up to 400 bar.	☐
High-pressure hose Longlife, 20 m, ID 8, 400 bar, 2 × M22 × 1.5	148	6.390-027.0	with rotary coupling, 2 × M 22 × 1.5	☐
Food industry version with unions on both sides				
High-pressure hose food grade, 10 m, ID 8, 250 bar, 2 × EASY!Lock	149	6.110-051.0	High-pressure hose (ID 6), 10 m long, with grey, non-marking outer covering. Approved for use in the food industry. With EASY!Lock hand screw connection at both ends.	☐
High-pressure hose food grade, 20 m, ID 8, 250 bar, 2 × EASY!Lock	150	6.110-052.0	Suitable for use in food industry: 20 m long high-pressure hose (ID 8) with grey, non-marking outer covering, ANTI!Twist and EASY!Lock hand screw connections.	☐
High-pressure hose food grade, 10 m, ID 8, 250 bar, 2 × M22 × 1.5	151	6.389-479.0	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 × 1.5 with anti-kink sleeve.	☐
High-pressure hose food grade, 20 m, ID 8, 250 bar, 2 × M22 × 1.5	152	6.389-581.0	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 × 1.5, with kink protection. NW 8/155°C/250 bar.	☐
Longlife food design				
High-pressure hose food grade, 20 m, ID 8, 400 bar, 1 × EASY!Lock / 1 × AVS-hose reel connection	153	6.110-075.0		☐
Longlife food design with screw connections at both ends				
High-pressure hose food grade Longlife, 10 m, ID 8, 400 bar, 2 × EASY!Lock	154	6.110-053.0	With blue, non-marking and animal fat-resistant outer covering: High-pressure hose (ID 8), 10 m long, with ANTI!Twist and EASY!Lock hand screw connection at both ends.	☐

☐ Available accessories.

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		Order no.	Description	
HIGH-PRESSURE HOSES				
Longlife food design with screw connections at both ends				
High-pressure hose food grade Longlife, 20 m, ID 8, 400 bar, 2 x EASY!Lock	155	6.110-054.0	High-pressure hose with double steel reinforcement and blue, non-marking and animal fat-resistant outer covering. 20 m long with EASY!Lock hand screw connections.	☐
Special hoses				
High-pressure hose curved, 1.5 m, ID 8, 400 bar, 1 x EASY!Lock / 1 x M22 x 1.5	156	6.110-068.0	For connection to hose reels: high-pressure hose, with M 22 x 1.5 connection and curved EASY!Lock hand screw connection. 1.5 m long, suitable for up to 400 bar working pressure.	☐
High-pressure hose curved, 1.5 m, ID 8, 400 bar, 2 x M22 x 1.5	157	6.388-886.0	Connection hose in longlife quality with 2x M22 x 1.5, with angled connection on one side.	☐
Ultra Guard				
High-pressure hose Ultra Guard, 20 m, ID 8, max. 315 bar	158	6.110-083.0	Ultra Guard high-pressure hose with smooth, abrasion-resistant coating. Hose line designed for demanding cleaning operations.	☐
Classic				
High-pressure hose Classic, 10 m, ID 10, 250 bar x , EASY!Lock	159	4.119-004.0	High pressure hose with convenient EASY!Lock manual fitting from the Classic series by Kärcher. Also suitable for hot water high-pressure cleaners.	☐
High-pressure hose Classic, 10 m, ID 8, 315 bar x , EASY!Lock	160	4.119-005.0		☐
Hose TR DN8 31,5MPa 20m with package, 20 m, ID 8, 315 bar x , EASY!Lock	161	4.119-006.0		☐
Hose assembly with package TR DN8 max31,, 15 m, ID 8, 315 bar x , EASY!Lock	162	4.119-017.0		☐
Hose assembly with package TR DN10 25MPa, 20 m, ID 10, 250 bar x , EASY!Lock	163	4.119-019.0		☐
Hose assembly with package TR DN10 25MPa, 40 m, ID 10, 250 bar x , EASY!Lock	164	4.119-020.0		☐
Hose with transport packaging, 10 m, ID 8, 315 bar x , M22 x 1.5	165	4.760-834.0		☐
Hose M DN8 31,5MPa 20m with package, 20 m, ID 8, 315 bar x , M22 x 1.5	166	4.760-857.0	High-pressure hose with M22 screw connections from the Classic series from Kärcher. Also suitable for hot water high-pressure cleaners.	☐
FLOOR AND HARD SURFACE CLEANER				
FR Classic surface cleaner				
Surface cleaner medium M with package	167	4.760-876.0	Designed for hot water applications up to max. 100 °C: Classic surface cleaner made of metal with HP trigger gun, 500 mm diameter, and nozzle kit (2 x nozzle size 025; others can be ordered separately).	☐
Hard Surface Cleaner FRV 30				
FRV 30 Surface Cleaner	168	2.111-010.0	Integrated automatic suction removes dirty water through the supplied 5 m suction hose, eliminating the need to rinse the surface after cleaning and allowing use in inside and outside areas. Features include non-marking steering rollers and double ceramic bearings. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 1000 l/h / 60 °C.	☐

☐ Available accessories.

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		Order no.	Description	
FLOOR AND HARD SURFACE CLEANER				
Hard Surface Cleaner FRV 30				
FRV 30 surface cleaner	169	2.642-999.0	Integrated automatic suction removes dirty water through the supplied 5 m suction hose, eliminating the need to rinse the surface after cleaning. Features include non-marking steering rollers and double ceramic bearings. Machine-specific nozzle kit must be ordered separately.	☐
Extension hose 5 m	170	4.440-939.0	5m extension hose for FRV 30. Connection sleeve included.	☐
Hard surface cleaner FR 30				
FR 30 Surface Cleaner	171	2.111-011.0	Up to 10 times greater area performance compared with the conventional high-pressure jet. Plastic casing for optimal manoeuvrability, double ceramic bearing for long working times, flexible connection joint for optimal handling and integrated parking position. Machine-specific nozzle kit must be ordered separately. Max. 180 bar / 850 l/h / 60°C.	☐
Surface Cleaner FR 30	172	2.642-997.0	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	173	2.111-013.0	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 30 Me	174	2.640-355.0		☐
Hard Surface Cleaner FR 50				
Surface Cleaner FR 50 Me	175	2.111-023.0	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.	☐
Hard surface cleaner FR 50	176	2.640-679.0		☐
Machine-specific nozzle kits for FR				
Nozzle kit for FR, 1100 l/h – 1300 l/h	177	2.639-188.0	Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (1100 to 1300 l/h).	☐
Machine-specific nozzle kits for FRV				
Nozzle kit for FRV, 100	178	2.643-769.0	Machine-specific nozzle kit Kärcher power nozzles and jet nozzle for FRV 30 and FRV 50.	☐
Nozzle kit for FRV, 125	179	2.643-768.0		☐
FRV 30 Me surface cleaner				
FRV 30 Me Surface Cleaner	180	2.111-012.0	The stainless steel FRV 30 Me Surface Cleaner is designed for hot water cleaning up to 85 °C in inside and outside areas. Integrated automatic suction removes dirty water directly during operation.	☐
FRV 30 Me	181	2.642-911.0		☐
Extension hose FRV 30 Me and FRV 50 Me	182	4.441-040.0	5 m extension hose for FRV 30 Me. Includes connecting adapter.	☐

☐ Available accessories.

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1.699-932.0

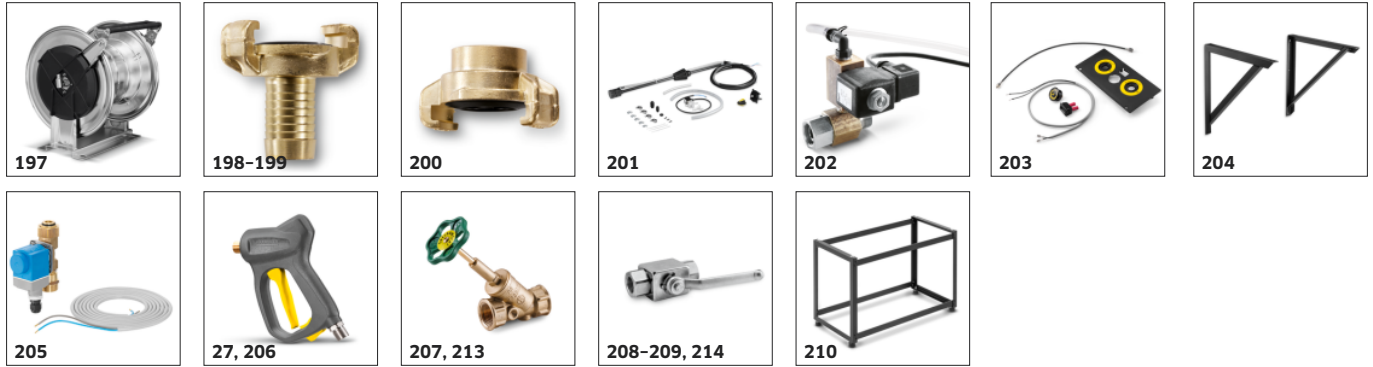


		Order no.	Description	
FLOOR AND HARD SURFACE CLEANER				
Surface Cleaner FR 50 Me				
FRV 50 Me surface cleaner	183	2.111-024.0	Surface cleaning with automatic suction of the dirty water for very large surfaces – this means the FRV 50 Me. Hot water cleaning up to 85°C. The FRV 50 Me features a temperature-resistant 10 m polyurethane suction hose. Additional quality features are the non-marking steering rollers and double ceramic bearing. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 2000 l/h / 85°C.	☐
FRV 50 ME	184	2.643-598.0	The stainless steel FRV 50 Me surface cleaner is designed for hot water cleaning up to 85 °C in inside and outside areas. Integrated automatic suction removes waste water directly during operation. The FRV 50 Me features a temperature-resistant 7.5 m polyurethane suction hose, non-marking steering rollers, and a double ceramic bearing. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 1,300 l/h / 85 °C.	☐
FOAM SYSTEMS				
Cup foam lance				
Cup foam lance Advanced 3, 900 l/h – 2500 l/h	185	4.112-065.0	Specially designed for use with aggressive cleaning agents: High-quality cup foam lance Advanced 3 with spray angle adjustment and Ecobras for high-pressure cleaners from Kärcher.	☐
Two-litre cleaning agent container for DUO Advanced foam lance	186	4.112-066.0	The additional two-litre container enables detergent to be changed quickly with the Kärcher Basic, Advanced and DUO Advanced cup foam lance.	☐
Cup foam lance DUO Advanced 3, 900 l/h – 2500 l/h	187	4.112-069.0	DUO Advanced 3 cup foam lance, designed for use with aggressive detergents. With instant switching to high-pressure cleaning, spraying angle adjustment and two-litre tank.	☐
Cup foam lance Basic 3, 900 l/h – 2500 l/h	188	4.112-055.0	Basic 3 cup foam lance for high-pressure cleaners with a flow rate of 900–2500 l/h: Reduces cleaning agent consumption by 50% compared to cup foam lances without a dosing facility.	☐
Cup foam lance Advanced	189	6.394-968.0	Short, handy foam lance with adjustable spray angle with 1 litre detergent tank. Ideal for cleaning cars due to its compact design.	☐
1-litre cleaning agent container for cup foam lance basic	190	5.071-414.0	For the quick change of the cleaning agent: Additional 1 litre cleaning agent container for basic foam lance (2.112-053.0, 2.112-054.0 and 2.112-055.0).	☐
1-litre cleaning agent container for cup foam lance advanced	191	6.414-050.0	Additional 1-litre cleaning agent container for quick replacement of the cleaning agent (for foam lance 2.112-017.0 and 2.112-018.0).	☐
HOSE REELS				
Automatic, self-winding hose reels for wall mounting				
Automatic hose reel, powder-coated steel / plastic, 20 m	192	6.392-074.0	Automatic hose reel for 20 m high-pressure hose. The console is made from powder-coated steel, the drum is made from plastic.	☐
Automatic stainless steel / synthetic material hose drum, 20 m	193	6.392-083.0	Automatic hose reel for 20 m high-pressure hose. The console consists of stainless steel, the drum is made from plastic.	☐
Automatic hose reel, coated, 20 m	194	6.392-106.0	Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	☐
Hose reel, automatic, basalt grey-coated, 20 m	195	6.392-105.0	Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses. For example: order no. 6.110-011.0 (ID 8, 20 m, 315 bar) or order no. 6.110-028.0 (ID 8, 20 m, 400 bar Longlife).	☐
Automatic hose reel, stainless steel, includes swivel holder, 20 m	196	6.392-076.0	Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	☐

☐ Available accessories.

ACCESSORIES FOR HDS 13/20 -4 ST EU-I

1.699-932.0

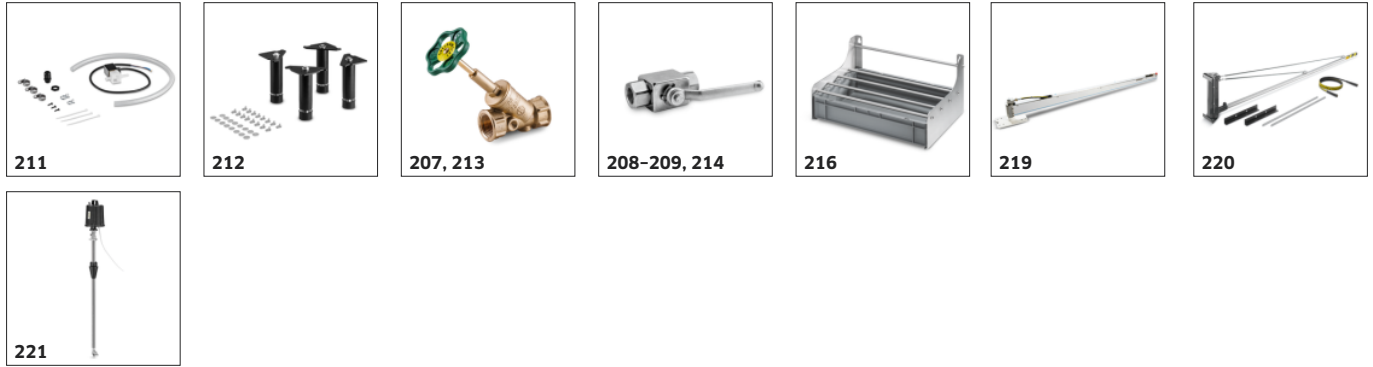


		Order no.	Description	
HOSE REELS				
Automatic, self-winding hose reels for wall mounting				
Automatic stainless steel hose reel, 40 m	197	6.392-442.0	Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses. Compatible high-pressure hose, e.g. order no. 6.110-076.0 (ID 8, 40 m, 400 bar, 1x hose reel connection attachment kit).	☐
WATER CONNECTION				
Geka coupling				
Geka connector with hose barb, R 3/4"	198	6.388-455.0	with hose liner	☐
Geka connector with hose barb, R 1"	199	6.388-465.0	with hose barb	☐
Geka connector with internal thread, R 1"	200	6.388-458.0	with female thread	☐
STATIONARY HIGH-PRESSURE CLEANING SYSTEMS				
Add-on kit cleaning agents double	201	2.209-006.0	The attachment kit makes it easy to dose a second detergent by remote control.	☐
Add-on kit pressure discharge	202	2.209-007.0	Attachment kit for automatic pressure relief for stationary cold and hot water high-pressure cleaners. For effective protection of the high-pressure system.	☐
Attachment kit with hour counter and pressure gauge	203	2.209-008.0	Attachment kit with hour counter and pressure gauge for stationary cold and hot water high-pressure cleaners. For easy control of the machine's operating time and operating pressure.	☐
Steel wall bracket, complete	204	2.209-009.0	The wall bracket enables easy and safe installation of a stationary high-pressure cleaner (cold or hot water) on the wall.	☐
Water inlet solenoid valve attachment kit	205	2.209-010.0	Water inlet solenoid valve attachment kit for stationary cold and hot water high-pressure cleaners. The solenoid valve automatically closes the water supply to the high-pressure cleaner when the machine is at a standstill.	☐
Trigger gun	206	4.775-018.0		☐
Full-bore valve	207	6.412-021.0		☐
High-pressure ball valve	208	6.412-066.0		☐
	209	6.412-386.0		☐
Floor rack	210	2.210-008.0	Floor structure made of plastic-coated steel for installing stationary HDS hot water machines.	☐

☐ Available accessories.

ACCESSORIES FOR HDS 13/20 -4 ST EU-I

1.699-932.0



		Order no.	Description	
STATIONARY HIGH-PRESSURE CLEANING SYSTEMS				
RM 1 dosing attachment kit via remote control	211	2.209-005.0	The attachment kit makes it easy to dose the detergent via remote control.	☐
Attachment kit stand, 200 mm	212	2.638-276.0	The attachment kit enables stationary high-pressure cleaners from Kärcher to be installed on the ground in a versatile and stable manner. The machine is securely positioned 200 mm from the floor.	☐
STATIONARY HIGH-PRESSURE CLEANERS				
Full-bore valve	213	6.412-022.0		☐
High-pressure ball valve, stainless steel, G1/2"	214	6.413-500.0	High-pressure ball valve made of stainless steel. Nominal size DN 13, nominal pressure PN 400 for a temperature range up to 100 °C. Connection G1/2" internal thread.	☐
Easy Press trigger gun, M 22x1.5, grey	215	4.775-784.0	Easy Press trigger gun, grey.	☐
Wall bracket for 2 × cleaning agent cans, stainless steel	216	2.641-703.0	Wall bracket for two cans.	☐
High-pressure hose	217	4.440-172.0		☐
Spray lance, rotatable, grey	218	4.760-628.0	Spray lance, rotatable, grey, 2,050 mm.	☐
SELF-SERVICE WASHING SYSTEMS AND EQUIPMENT				
Wash bay equipment				
360° swivelling boom for high-pressure hose	219	4.058-106.0	Swivelling boom for HP-working hose (360° turning circle). Mounted above the washing bay.	☐
Miscellaneous				
Swinging boom 180°, wall-mounted	220	2.637-120.0	Ideal for stationary HD/HDS machines from Kärcher, e.g. in washing bays: wall-mounted swivelling boom with 180° outreach for holding the high-pressure hose.	☐
DRUM AND TANK CLEANING				
Barrel and tank cleaning				
Spray head HKF 30/14-E	221	6.751-061.0	Compact interior cleaning head made of stainless steel for cleaning the interiors of drums and containers with openings of 65 mm or more. Offers an impressively low weight and constant rotation speed by means of an electric motor.	☐

☐ Available accessories.