

HDS 10/21 -4 ST EU-I

Excels under pressure: the HDS 10/21-4 St stationary hot water high-pressure cleaner with oil burner is designed for continuous use in tough applications and cleans with a pressure of up to 210 bar.



Order no.

1.699-931.0

- 4-pole air-cooled motor and robust crankshaft pump with ceramic piston
- Easy installation, operation and maintenance of the machine

Technical data

EAN code		4054278989037
Number of current phases	Ph	3
Voltage	V	400
Frequency	Hz	50
Flow rate	l/h	500 - 1000
Working pressure	bar	210
Max. pressure	bar	235
Temperature (for supply 12 °C)	°C	max. 80
Inlet temperature	°C	max. 30
Connected load	kW	8
Consumption of fuel oil at full load	kg/h	6.5
Heat energy	kW	77
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

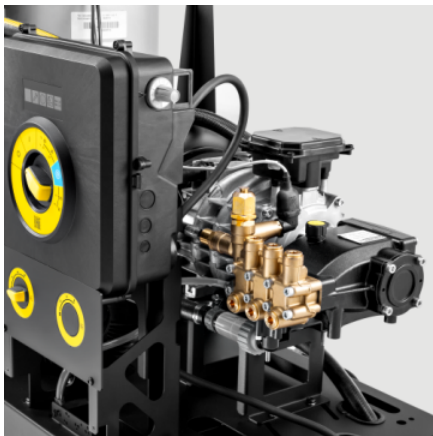
This machine requires instruction.

Scope of supply

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

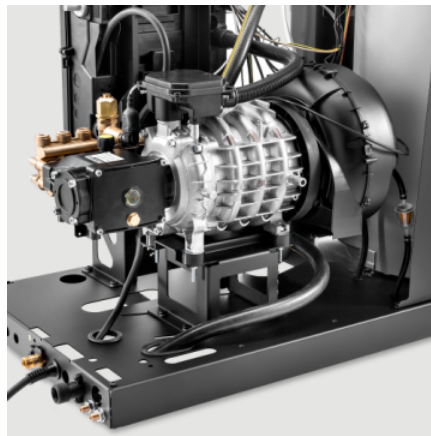
Equipment

- 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



High-performance crankshaft pump

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



Water-cooled four-pole electric motor

- Water-cooled motor for a high performance and long service life.
- 4-pole, slow-running electric motor guarantees a long working time.
- For high performance and low maintenance costs.

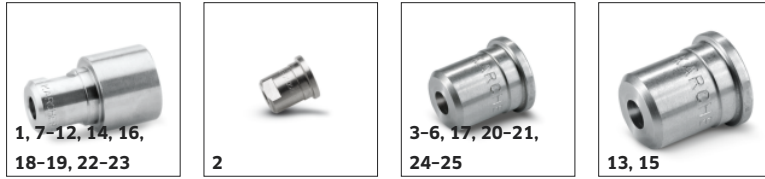


High-quality equipment

- Integrated water reservoir with limescale protection and empty indicator protects the heating coil and the entire system from lime deposits.
- The housing and frame are made from powder-coated steel for durability.
- The detergent intake system with dosing valve and empty indicator is just part of the high-quality equipment supplied as standard.

ACCESSORIES FOR HDS 10/21 -4 ST EU-I

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		Order no.	Description	
KÄRCHER POWER NOZZLE				
Power nozzle spray angle 25°				
Power nozzle 25°, 050	1	2.113-023.0	Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	■
Power nozzle , 054	2	2.883-927.0		□
Power nozzle 25°, 050	3	2.883-399.0	Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	□
Power nozzle 25°, 052	4	2.883-400.0		□
Power nozzle , 055	5	2.883-401.0	Fan jet nozzle for large area coverage and stubborn dirt and stains.	□
Power nozzle , 060	6	2.883-402.0	Flat stream large area coverage and stubborn dirt and contaminations.	□
Power nozzle 25°, 052	7	2.113-024.0	Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	□
Power nozzle , 054	8	2.113-011.0	Flat jet nozzle for large area performance and stubborn dirt.	□
Power nozzle , 055	9	2.113-025.0		□
Power nozzle , 060	10	2.113-026.0	Fan jet nozzle for large-area coverage and stubborn dirt and stains.	□
Power nozzle , 062	11	2.113-012.0		□
HP nozzle spray angle 0°				
Power nozzle 0°, 050	12	2.113-034.0	High-pressure nozzle with powerful jet for extremely stubborn dirt.	□
	13	2.884-535.0		□
Power nozzle 0°, 055	14	2.113-035.0		□

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

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		Order no.	Description	
KÄRCHER POWER NOZZLE				
HP nozzle spray angle 0°				
Power nozzle 0°, 055	15	2.884-536.0	High-pressure nozzle with powerful jet for extremely stubborn dirt.	☐
Power nozzle 0°, 060	16	2.113-036.0	Solid jet for very stubborn dirt and stains.	☐
	17	2.884-537.0		☐
Power nozzle spray angle 15°				
Power nozzle 15°, 055	18	2.113-047.0	Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	☐
Power nozzle 15°, 060	19	2.113-048.0	Fan jet nozzle for stubborn dirt and stains.	☐
Power nozzle 15°, 055	20	2.883-390.0	Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	☐
Power nozzle 15°, 060	21	2.883-391.0	Fan jet nozzle for stubborn dirt and stains.	☐
Power nozzle spray angle 40°				
Power nozzle 40°, 050	22	2.113-054.0	Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	☐
Power nozzle 40°, 055	23	2.113-055.0		☐
Power nozzle 40°, 050	24	2.884-524.0		☐
Power nozzle 40°, 055	25	2.884-525.0		☐
TRIGGER GUNS				
Spray guns				
Pistol TR 155°C with package	26	4.119-002.0	Classic spray gun with valve. Also suitable for Kärcher hot water high-pressure cleaners.	☐
M22 Classic spray gun	27	4.760-843.0		☐
EASY!Force Advanced	28	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.	☐

☐ Available accessories.

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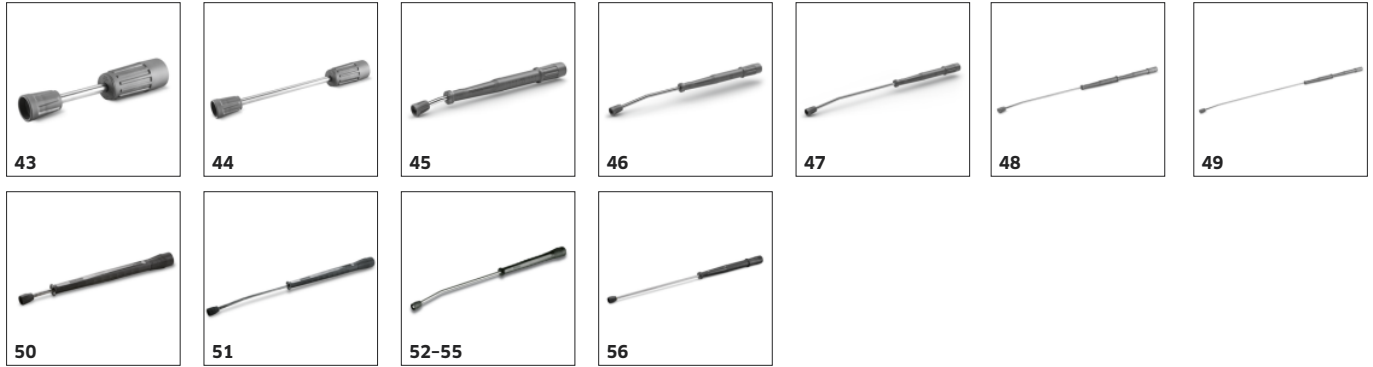


		Order no.	Description	
TRIGGER GUNS				
Spray guns				
EASY!Force Food	29	4.118-015.0	Perfect for the food industry: the EASY!Force high-pressure gun with full ceramic valve enables fatigueless working due to virtually zero holding force for the operator.	☐
High-End HD Trigger Gun	30	4.118-011.0	Trigger gun for professional use in the food industry and general industrial applications. Designed for water flow rates of up to 2500 l/h.	☐
High-end HP Food trigger gun	31	4.775-825.0	High-end spray gun with optimised flow. Low pressure losses, even with water flows of up to 2,500 l/h. Robustness and durability for professional use. Food-safe and saltwater-resistant materials offer the best prerequisites for use in the food industry and for commercial use. Connector for HD hoses M 22 × 1.5.	☐
Servo control				
Servo Control, 750 l/h – 1100 l/h	32	4.118-008.0	Water quantity and pressure regulated directly from the hand spray gun.	☐
Servo Control, food, 750 l/h – 1100 l/h	33	4.118-016.0	Water flow and pressure control on the trigger gun. Food-grade, parts in contact with water are stainless steel.	☐
Servo Control, 750 l/h – 1100 l/h	34	4.775-470.0	Water flow and pressure control on the trigger gun.	☐
Servo Control, stainless steel version, 750 l/h – 1100 l/h	35	4.775-800.0	Water volume and pressure regulation directly from the spray gun. Version for the food industry, water-carrying components made from stainless steel.	☐
SPRAY LANCES				
Rotating spray lances				
Jet pipe with transport packaging, 840 mm	36	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	37	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	38	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	39	4.119-013.0		☐
Jet pipe Classic TR 200mm, 200 mm	40	4.119-014.0		☐
Jet pipe Classic TR 400mm, 400 mm	41	4.119-015.0		☐
LED nozzle light	42	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.	☐

☐ Available accessories.

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		Order no.	Description	
SPRAY LANCES				
Rotating spray lances				
Spray lance, 250 mm, rotatable	43	4.112-027.0	Spray lance, 250 mm, rotatable, ergonomic	☐
Spray lance, 400 mm, rotatable	44	4.112-024.0	Spray lance, 400 mm, rotatable, ergonomic	☐
Spray lance, 600 mm, rotatable	45	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	46	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	47	4.112-000.0	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	4.112-018.0	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	49	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	50	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	51	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	52	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	53	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	54	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 food, 1050 mm, rotatable	55	4.760-655.0	1050 mm grey, rotatable food-grade lance for use in the food industry. All parts coming into contact with water are food safe.	☐
Spray lance				
Spray lance Classic 1,050 mm	56	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.	☐

☐ Available accessories.

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		Order no.	Description	
SPRAY LANCES				
Spray lance				
Jet pipe 600mm with package	57	4.760-856.0	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 Classic M 200mm	58	4.760-887.0		☐
Jet pipe Classic M 400mm	59	4.760-888.0		☐
Jet pipe Classic M 840mm	60	4.760-895.0		☐
250 mm lance, non-rotatable	61	4.760-667.0	250 mm stainless steel lance. With manual coupling. Non-rotatable.	☐
550 mm lance, non-rotatable	62	4.760-665.0	550 mm stainless steel lance. With manual coupling. Non-rotatable.	☐
Double lance				
Double lance, 960 mm	63	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).	☐
	64	6.394-665.0		☐
Flexible spray lance				
Flexible lance, 1050 mm	65	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	66	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.	☐
	67	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	68	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	69	6.394-654.0		☐
Undercarriage spray lance				
Underbody lance	70	4.112-032.0	Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	☐

☐ Available accessories.

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		Order no.	Description	
SPRAY LANCES				
Undercarriage spray lance				
Underbody lance	71	4.760-245.0	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	72	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, small				
Dirt blaster, 050	73	4.767-233.0	Full power against stubborn dirt: the new performance dirt blaster with nozzle size 050 achieves up to 50% higher cleaning and area performance than its predecessor.	☐
Dirt blaster, large				
Dirt blaster Vibrasoft, 050	74	4.114-066.0	Vibrasoft rotary nozzle with rotating pencil jet.	☐
Dirt blaster, large, 050	75	4.114-027.0	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, 050	76	4.763-253.0		☐
Dirt blaster, large, 055/060	77	4.114-036.0		☐
Dirt blaster, 055/060	78	4.763-250.0		☐
Classic rotary nozzle				
Rotor nozzle TR 060	79	4.119-025.0	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 050 with package	80	4.760-870.0		☐
Rotary nozzle M 060 with package	81	4.760-871.0		☐
ECO!BOOSTER				
eco!Booster TR 050	82	2.113-088.0	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 050).	☐
eco!Booster TR 080	83	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 050	84	2.113-097.0	eco!Booster MAX: 100 percent higher area performance compared to the Kärcher standard flat jet nozzle.	☐

☐ Available accessories.

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		Order no.	Description	
ECO!BOOSTER				
Eco!Booster MAX TR 080	85	2.113-099.0	eco!Booster MAX: 100 percent higher area performance compared to the Kärcher standard flat jet nozzle.	☐
Eco!Booster TR 060	86	2.113-090.0	eco!Booster with 50% higher area performance compared to the Kärcher power nozzle; ideal for delicate surfaces. Suitable for cold and hot water high-pressure cleaners with a nozzle size of 060.	☐
Eco!Booster MAX TR 060	87	2.113-098.0	eco!Booster MAX: 100 percent higher area performance compared to the Kärcher standard flat jet nozzle.	☐
QUICK CONNECT				
Quick coupling	88	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 × 1.5 internal thread.	☐
Male coupling	89	2.115-001.0	Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 × 1.5 external thread.	☐
Quick coupling	90	6.401-458.0	For fast changes between different spray lances/accessories. Perfect for Kärcher spray unit, suitable for trigger gun/spray lance interface. With M 22 × 1.5 internal thread.	☐
Male coupling	91	6.401-459.0	Hardened stainless steel male coupling for quick coupling 6.401-458. With M 22 × 1.5 external thread.	☐
TAKE-OFF POINT EQUIPMENT				
Hose and spray lance holder VA	92	2.042-003.0	Hose and spray lance wall holder for practical and safe storage of high-pressure hoses or spray lances. Stainless steel wall holder.	☐
REMOTE CONTROL				
Add-on kit remote control 1 for HD-HDS-Stationary	93	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	94	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.	☐
Emergency stop switch - for installation in remote control 2.744-015	95	6.635-434.0		☐
	96	6.651-485.0		☐
Remote release button	97	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	98	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).	☐

☐ Available accessories.

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		Order no.	Description	
REMOTE CONTROL				
Multi-key remote control I/O, hot/cold, RM 1/2	99	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.	☐
CONTROL CABLE				
Control cable	100	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	101	6.641-059.0	Connecting cable 3 × 1.5 mm ² . Available by the meter.	☐
Control cable 7 × 1.5 m	102	6.641-064.0	Control cable 7 × 1.5	☐
Control cable 10 × 1.5 m	103	6.641-082.0	Control cable 10 × 1.5	☐
Conduit	104	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	105	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)	106	2.638-181.0	Stainless steel	☐
Connection piece, pipe/stop cock, stainless steel (Ermeto)	107	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.	☐
Stop cock, stainless steel (Ermeto)	108	4.580-163.0	Stainless steel shut-off valve with M 22 × 1.5 thread suitable for connecting pipeline and high-pressure hose for stationary high-pressure systems from Kärcher.	☐
Union nut, stainless steel (Ermeto)	109	6.386-428.0	(VA)	☐
T-screw connection, stainless steel (Ermeto)	110	6.386-465.0	Stainless steel	☐
Stainless steel elbow union 90°	111	6.386-466.0	Stainless steel elbow union 90° with compression fitting (Ermeto) at both ends for 16 mm pipes.	☐
Quick coupling, loose part, M 22 × 1.5	112	6.463-023.0	loose part	☐

☐ Available accessories.

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		Order no.	Description	
HIGH-PRESSURE PIPEWORK				
Connector, galvanised steel	113	2.638-180.0	Alternativ : stainless steel 2.638-181	☐
Shut-off valve, galvanised steel	114	4.580-144.0	Shut-off valve made from zinc-coated steel for stationary high-pressure systems from Kärcher. For connecting the pipeline to the high-pressure hose.	☐
Pipe kit, galvanised steel, 3 m	115	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	116	6.386-269.0	Tee (90°), galvanised steel with compression fitting for 16 mm pipes. Fixing material (Ermeto) included.	☐
Elbow union, galvanised steel	117	6.386-356.0	Elbow union, galvanised steel. With 90° angle piece with compression fitting (Ermeto) at both ends for 16 mm pipes.	☐
Pipe insulation, per running meter	118	6.286-147.0	For thermal insulation of pipes. Pipe cladding. Wall thickness 9 mm. PE foam with moisture barrier. Available per running meter.	☐
Adapter piece, galvanised steel	119	2.638-182.0	Alternative: stainless steel 2.638-183	☐
Quick-release coupling, fixed part	120	6.463-025.0	fixed part	☐
Union nut, galvanised steel	121	6.386-423.0	Union nut, galvanised steel. For 16 mm compression fitting.	☐
Cutting ring	122	6.386-357.0	Galvanised steel cutting ring. For 16 mm compression fitting.	☐
PLANT INSTALLATION				
Fine-mesh water filter	123	2.209-806.0	Fine-mesh water filter	☐
Emergency Stop switch	124	2.744-002.0	Emergency Stop switch with ISO housing for wall mounting. With 0.4 m power cord and fixing material.	☐
HOSE TRACK SYSTEM HIGH-PRESSURE CLEANERS				
C-rail holder	125	6.541-027.0	Wall-mounted C-rail holding clamp for hose guide of Kärcher high-pressure cleaners.	☐
C-rail, per running metre	126	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.	☐

☐ Available accessories.

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		Order no.	Description	
HOSE TRACK SYSTEM HIGH-PRESSURE CLEANERS				
Rail connector	127	6.541-011.0	Rail connector	☐
End stop	128	6.541-025.0	End stop	☐
Cable trolley	129	6.541-026.0	Cable trolley for C-rail profile. 20 kg capacity. Weight 0.11 kg. Galvanised steel ball bearing.	☐
End bracket	130	6.541-028.0	End bracket	☐
Handle	131	6.541-029.0	C-rail profile clamp. Galvanised steel. Plastic clamping parts. Weight 0.06 kg.	☐
Wall bracket	132	6.541-039.0	Wall holder for galvanised steel C-rail profile.	☐
Rail holder wall	133	6.541-012.0	Galvanised steel rail bracket for C-rail profile. Weight 0.235 kg.	☐
Spray lance runner, movable	134	4.042-610.0	moveable	☐
FLUE PIPE				
Flue gas adapter	135	4.656-149.0	Flue gas adapter with draught damper for flue pipe connection (adapter for HDS burners for connection to a stack system).	☐
	136	4.656-080.0		☐
FUEL SUPPLY				
Hose kit, fuel oil	137	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	138	4.730-033.0	Fuel oil filter with sight-glass for wall mounting. Flow shut-off device. Connection on burner side: M 12 × 1.5 for compression fitting union; Connection on supply side: 3/8" IG. Fixing material included.	☐
Pipework set heating oil (5 m)	139	4.421-208.0	Fuel oil pipe kit (5 m)	☐
Heating oil tank, 700 l	140	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.	☐

☐ Available accessories.

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		Order no.	Description	
FUEL SUPPLY				
Suction pipeline, heating oil	141	4.421-068.0	Fuel suction pipe	☐
SEALS FOR TRAPEZOIDAL THREAD				
Gasket set with 9x O-rings for TR thread	142	2.880-001.0		☐
NOZZLE UNION / SPACER				
Nozzle union				
Nozzle screws	143	4.112-011.0	Nozzle screws with protectors for high-pressure and power nozzles	☐
Nozzle connector	144	5.401-210.0	For protecting and connecting Kärcher power nozzles to spray lances (M 18 × 1.5 IG).	☐
Nozzle union food industry	145	5.401-318.0	Made of special brass alloy for use in the food industry.	☐
HIGH-PRESSURE HOSES				
Standard				
High-pressure hose, 20 m, ID 8, 315 bar, 1 × EASY!Lock / 1 × AVS-hose reel connection	146	6.110-011.0	High-pressure hose with AVS hose reel connection and EASY!Lock hand screw connection.	☐
High-pressure hose, 15 m, ID 8, 315 bar, 1 × EASY!Lock / 1 × AVS-hose reel connection	147	6.110-018.0		☐
High-pressure hose, 10 m, ID 8, 315 bar, 2 × EASY!Lock	148	6.110-019.0	High-pressure hose (DN 8) with EASY!Lock manual screw fitting on both sides. Suitable for pressures up to 315 bar. Length: 10 m.	☐
High-pressure hose, 10 m, ID 8, 315 bar, 1 × M22 × 1.5 / 1 × AVS-hose reel connection	149	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	150	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	151	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	152	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	153	6.391-342.0	To extend the operating radius with the high-pressure cleaner. Connection on both sides M22 × 1.5.	☐
High-pressure hose, 20 m, ID 8, 315 bar, 2 × M22 × 1.5	154	6.390-031.0	Screw connections at both ends, M 22 × 1.5, with kink protection.	☐

☐ Available accessories.

ACCESSORIES FOR HDS 10/21 -4 ST EU-I

1.699-931.0



		Order no.	Description	
HIGH-PRESSURE HOSES				
Standard with unions on both sides				
High-pressure hose, 10 m, ID 8, 315 bar, 2 × EASY!Lock	155	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	156	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	157	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	158	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	159	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, 30 m, ID 8, 315 bar, 2 × EASY!Lock	160	6.110-014.0	Comfortable length (30 m) and innovative EASY!Lock manual screw fitting: High-pressure hose (DN 8) with ANTI!Twist for pressures up to 315 bar.	☐
High-pressure hose, 15 m, ID 10, 220 bar, 2 × EASY!Lock	161	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	162	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	163	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	164	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	165	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.	☐
High-pressure hose, 40 m, ID 12, 210 bar, 2 × EASY!Lock	166	6.110-060.0	With EASY!Lock manual screw fitting and lots of room for manoeuvre thanks to 40 m in length: High-pressure hose (DN 12) with EASY!Lock manual screw fitting on both sides. Suitable for working pressures up to 250 bar.	☐
Longlife 400				
High-pressure hose Longlife, 20 m, ID 8, 400 bar, 1 × EASY!Lock / 1 × AVS-hose reel connection	167	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	168	6.110-076.0	High-pressure hose with 2-compartment steel insert, AVS hose reel connection, as well as EASY!Lock manual screw connection.	☐

☐ Available accessories.

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		Order no.	Description	
HIGH-PRESSURE HOSES				
Longlife 400				
High-pressure hose Longlife, 20 m, ID 8, 400 bar, 1 × M22 × 1.5 / 1 × AVS-hose reel connection	169	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	170	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.	☐
High-pressure hose Longlife, 1.5 m, ID 8, 400 bar, 1 × EASY!Lock / 1 × M22 × 1.5	171	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	172	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	173	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	174	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	175	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, 10 m, ID 8, 400 bar, 2 × M22 × 1.5	176	6.391-354.0	To extend the operating radius with the high-pressure cleaner. Connection on both sides M22 × 1.5.	☐
High-pressure hose Longlife, 20 m, ID 8, 400 bar, 2 × EASY!Lock	177	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	178	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	179	6.390-027.0	with rotary coupling, 2 × M 22 × 1.5	☐
Food industry version				
High-pressure hose food grade, 15 m, ID 6, 250 bar, 1 × M22 × 1.5 / 1 × AVS-hose reel connection	180	6.391-654.0	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.	☐
Food industry version with unions on both sides				
High-pressure hose food grade, 10 m, ID 8, 250 bar, 2 × EASY!Lock	181	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	182	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.	☐

☐ Available accessories.

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		Order no.	Description	
HIGH-PRESSURE HOSES				
Food industry version with unions on both sides				
High-pressure hose food grade, 10 m, ID 8, 250 bar, 2 × M22 × 1.5	183	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	184	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	185	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	186	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.	☐
High-pressure hose food grade Longlife, 20 m, ID 8, 400 bar, 2 × EASY!Lock	187	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 Ex, 10 m, ID 8, 400 bar, 2 × EASY!Lock	188	6.110-064.0	Electrically conductive, 10 m long high-pressure hose for use in hazardous areas. 10 m long high-pressure hose with EASY!Lock hand screw connections at both ends.	☐
High-pressure hose curved, 1.5 m, ID 8, 400 bar, 1 × EASY!Lock / 1 × M22 × 1.5	189	6.110-068.0	For connection to hose reels: high-pressure hose, with M 22 × 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 × M22 × 1.5	190	6.388-886.0	Connection hose in longlife quality with 2x M22 × 1.5, with angled connection on one side.	☐
Ultra Guard				
High-pressure hose Ultra Guard, 20 m, ID 8, max. 315 bar	191	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 × , EASY!Lock	192	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 × , EASY!Lock	193	4.119-005.0		☐
Hose TR DN8 31,5MPa 20m with package, 20 m, ID 8, 315 bar × , EASY!Lock	194	4.119-006.0		☐
Hose TR DN8 31,5MPa 30m with package, 30 m, ID 8, 315 bar × , EASY!Lock	195	4.119-007.0		☐
Hose assembly with package TR DN8 max31,, 15 m, ID 8, 315 bar × , EASY!Lock	196	4.119-017.0		☐

☐ Available accessories.

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		Order no.	Description	
HIGH-PRESSURE HOSES				
Classic				
Hose assembly with package TR DN10 25MPa, 20 m, ID 10, 250 bar × , EASY!Lock	197	4.119-019.0	High pressure hose with convenient EASY!Lock manual fitting from the Classic series by Kärcher. Also suitable for hot water high-pressure cleaners.	☐
Hose assembly with package TR DN10 25MPa, 40 m, ID 10, 250 bar × , EASY!Lock	198	4.119-020.0		☐
Hose with transport packaging, 10 m, ID 8, 315 bar × , M22 × 1.5	199	4.760-834.0	High-pressure hose with M22 screw connections from the Classic series from Kärcher. Also suitable for hot water high-pressure cleaners.	☐
Hose M DN8 31,5MPa 20m with package, 20 m, ID 8, 315 bar × , M22 × 1.5	200	4.760-857.0		☐
PIPE CLEANING				
Pipe cleaning hose, ID 6				
Pipe cleaning hose, ID 6, 10 m, max. 250 bar	201	6.110-046.0	The 10 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	☐
Pipe cleaning hose, ID 6, 20 m, max. 250 bar	202	6.110-008.0	The 20 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	☐
Pipe cleaning hose, ID 6, 30 m, max. 250 bar	203	6.110-047.0	The 30 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	☐
Pipe cleaning hose, DN 6, 20 m, max. 250 bar	204	6.390-030.0	The 20 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	☐
Pipe cleaning nozzle				
Pipe cleaning dirt blaster D21/060	205	4.765-002.0	The forward-tilted rotating pencil jet removes the most stubborn dirt. The three backwards-tilted jets ensure the necessary forward movement, as well as convenient handling.	☐
Pipe cleaning dirt blaster D30/060	206	4.765-005.0		☐
Pipe cleaning nozzle	207	5.763-015.0	16 mm pipe cleaning nozzle with internal thread. Various jet directions for cleaning blocked drains and pipes.	☐
	208	5.763-016.0		☐
	209	5.763-017.0	Pipe cleaning nozzle with inner thread. Different spray directions. The hose moves freely through the pipe. (R 1/8" connection, 3 × 30° backwards, diameter 30 mm.)	☐
Rotating pipe cleaning nozzle	210	6.415-428.0	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.	☐

☐ Available accessories.

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		Order no.	Description	
FLOOR AND HARD SURFACE CLEANER				
FR Classic surface cleaner				
Surface cleaner medium M with package	211	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 × nozzle size 025; others can be ordered separately).	☐
Hard Surface Cleaner FRV 30				
FRV 30 Surface Cleaner	212	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.	☐
FRV 30 surface cleaner	213	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	214	4.440-939.0	5m extension hose for FRV 30. Connection sleeve included.	☐
Hard surface cleaner FR 30				
FR 30 Surface Cleaner	215	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	216	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	217	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	218	2.640-355.0		☐
Hard Surface Cleaner FR 50				
Surface Cleaner FR 50 Me	219	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	220	2.640-679.0		☐
Machine-specific nozzle kits for FR				
Nozzle kit for FR, 850 l/h - 1100 l/h	221	2.640-442.0	Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (850 to 1100 l/h).	☐
Machine-specific nozzle kits for FRV				
Nozzle kit for FRV, 050	222	2.642-433.0	Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.	☐
FRV 30 Me surface cleaner				
FRV 30 Me Surface Cleaner	223	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	224	2.642-911.0		☐

☐ Available accessories.

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		Order no.	Description	
FLOOR AND HARD SURFACE CLEANER				
FRV 30 Me surface cleaner				
Extension hose FRV 30 Me and FRV 50 Me	225	4.441-040.0	5 m extension hose for FRV 30 Me. Includes connecting adapter.	☐
Surface Cleaner FR 50 Me				
FRV 50 Me surface cleaner	226	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	227	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	228	4.112-065.0	Specially designed for use with aggressive cleaning agents: High-quality cup foam lance Advanced 3 with spray angle adjustment and Ecobrass for high-pressure cleaners from Kärcher.	☐
Two-litre cleaning agent container for DUO Advanced foam lance	229	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	230	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	231	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	232	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	233	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	234	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).	☐
Inno Foam Kit				
Inno Foam Set with detergent injector	235	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.	☐
	236	2.640-151.0		☐
Easy Foam Set				
Easy Foam Set with RM injector	237	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.	☐
	238	2.640-691.0		☐

☐ Available accessories.

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		Order no.	Description	
FOAM SYSTEMS				
Nozzle kits for Inno/Easy Foam Set				
Nozzle kit 090 for Inno / Easy Set 700-1,000 l/h	239	2.111-019.0	Nozzle kit contains Kärcher power nozzles and nozzle inserts. For Inno/Easy-Foam set 700-1000 l/h. For optimal foam system performance.	☐
MIXERS AND INJECTORS				
Cleaning agent injector				
Cleaning agent injector for high and low pressure (without nozzles)	240	4.637-032.0	Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	☐
	241	3.637-001.0		☐
Nozzle insert with order no. 4.637-032.0				
Nozzle insert up to 1,100 l/h - high pressure	242	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.	☐
Nozzle insert up to 1,100 l/h - low pressure	243	4.769-001.0	For low pressure with machines up to 1.100 l/h	☐
COUPLING PARTS				
Rotary coupling				
Rotary coupling	244	4.401-091.0	Reliably prevents twisting of HP hoses. Connection M 22 × 1.5 m. Handle protection	☐
Coupling				
Coupler -2 × M22 × 1,5	245	4.403-002.0	For connecting and extending high-pressure hoses. Connection 2 × M 22 × 1.5.	☐
Connector				
Short spray unit	246	4.111-038.0	For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles.	☐
EASY!Lock adapter				
Adapter 1 M22AG-TR22AG	247	4.111-029.0	Adapter 1 to connect the old hose with the new hose	☐
Adapter 2 M22IG-TR22AG	248	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	249	4.111-031.0	Adapter 3 to connect the old gun with the new spray lance and new servo regulator	☐
Adapter 4 TR22IG-D11	250	4.111-032.0	Adapter 4 to connect the new gun with the old swivel hose	☐
Adapter 5 TR22IG-M22AG	251	4.111-033.0	Adapter 5 to connect the new gun with the old spray lance and new servo regulator with the old spray lance	☐
Adapter 6 TR22IG-M22AG	252	4.111-034.0	Adapter 6 to connect the new device with the old hose and the old hose with the new gun	☐

☐ Available accessories.

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		Order no.	Description	
COUPLING PARTS				
EASY!Lock adapter				
Adapter 7 M18IG-TR20AG	253	4.111-035.0	Adapter 7 to connect the old spray lance with the new nozzle	☐
Adapter 8 TR20IG-M18AG	254	4.111-036.0	Adapter 8 to connect the new spray lance with the old nozzle	☐
Adapter hose extension 9 TR	255	4.111-037.0	Adapter 9 to connect the new hose with the new hose	☐
HOSE REELS				
Automatic, self-winding hose reels for wall mounting				
Automatic hose reel, powder-coated steel / plastic, 20 m	256	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	257	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	258	6.392-106.0	Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	☐
Automatic hose reel, stainless steel, includes swivel holder, 20 m	259	6.392-076.0	Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	☐
Automatic stainless steel hose reel, 40 m	260	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"	261	6.388-455.0	with hose liner	☐
Geka connector with hose barb, R 1"	262	6.388-465.0	with hose barb	☐
Geka connector with inner thread, R 3/4"	263	6.388-473.0	with female thread	☐
Geka connector with internal thread, R 1"	264	6.388-458.0		☐
STATIONARY HIGH-PRESSURE CLEANING SYSTEMS				
Add-on kit cleaning agents double	265	2.209-006.0	The attachment kit makes it easy to dose a second detergent by remote control.	☐
Add-on kit pressure discharge	266	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.	☐

☐ Available accessories.