



HDS 9/16-4 ST GAS

Hot water high-pressure cleaner



Order no. 1.251-108.0

Technical data

EAN code		4039784730229
Number of current phases	Ph	3
Voltage	V	400
Frequency	Hz	50
Flow rate	l/h	500 - 960
Working pressure	bar / MPa	30 - 160 / 3 - 16
Temperature (for supply 12 °C)	°C	max. 98
Connected load	kW	6.4
Consumption of fuel oil at full load	m³/h	7.2
Number of users at one time		1
Portability		stationary
Protection	A	16
Weight (with accessories)	kg	160
Dimensions (L × W × H)	mm	1110 × 565 × 970

Scope of supply

Soft Damping System (SDS)
System pressure relief
Flame monitoring
Prepared for Servo Control
Prepared for remote operation



Water-cooled four-pole electric motor

- Long service life.
- Improved effectiveness.
- Guaranteed quiet operation.



Special fleece (gas-heated)

- Newly developed surface burner for a uniform gas flow.
- For efficient combustion.

Burner engineering

- High heating output.
- Spiral heating coil for a compact construction style.
- Upright construction style prevents condensation and corrosion.

ACCESSORIES FOR HDS 9/16-4 ST GAS

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		Order no.	Description	
TRIGGER GUNS				
Spray guns				
M22 Classic spray gun	1	4.760-843.0	High-quality Classic spray gun with robust valve. Also suitable for Kärcher hot water high-pressure cleaners.	☐
Easy Press high-pressure trigger gun with holding force reduction (Kärcher patent)				
Easy Press HP trigger gun with soft grip	2	4.775-463.0	Easy press high-pressure trigger gun with softgrip. For high-pressure hoses DN 6 and DN 8 with 11 mm swivel diameter.	☐
Easy Press HP trigger gun with soft grip, M22 × 1.5	3	4.775-466.0	Easy press high-pressure trigger gun with integrated adapter for connecting to high-pressure hoses M 22 × 1.5.	☐
Servo control				
Servo Control, 750 l/h – 1100 l/h	4	4.775-470.0	Water flow and pressure control on the trigger gun.	☐
SPRAY LANCES				
Rotating spray lances				
Spray lance 600 mm	5	4.760-364.0	Spray lance in 600mm stainless steel, can be rotated 360° under pressure for professional high pressure washers. Compatible: All Kärcher professional pressure washer	☐
KÄRCHER POWER NOZZLE				
Power nozzle spray angle 25°				
Power nozzle, 060	6	2.883-402.0	Flat stream large area coverage and stubborn dirt and contaminations.	☐
HIGH-PRESSURE HOSES				
Standard with unions on both sides				
High-pressure hose, 10 m, ID 8, 315 bar, 2 × M22 × 1.5	7	6.391-342.0	To extend the operating radius with the high-pressure cleaner. Connection on both sides M22 × 1.5.	☐
Longlife 400 with unions on both sides				
High-pressure hose Longlife, 1,5 m, ID 8, 400 bar, 2 × M22 × 1.5	8	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 × M22 × 1.5	9	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.	☐
	10	6.391-354.0	To extend the operating radius with the high-pressure cleaner. Connection on both sides M22 × 1.5.	☐
Food industry version with unions on both sides				
High-pressure hose food grade, 10 m, ID 8, 250 bar, 2 × M22 × 1.5	11	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	12	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 with screw connections at both ends				
High-pressure hose food grade, 10 m, ID 8, 400 bar, 2 × M22 × 1.5	13	6.391-864.0	Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With rotary coupling, 2 × M 22 × 1,5	☐
High-pressure hose food grade, 20 m, ID 8, 400 bar, 2 × M22 × 1.5	14	6.391-887.0		☐

☐ Available accessories.

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HIGH-PRESSURE HOSES				
Classic				
Hose with transport packaging, 10 m, ID 8, 315 bar × , M22 × 1.5	15	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.	☐
COUPLING PARTS				
EASY!Lock adapter				
Adapter 1 M22AG-TR22AG	16	4.111-029.0	Adapter 1 to connect the old hose with the new hose	☐
Adapter 2 M22IG-TR22AG	17	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	18	4.111-031.0	Adapter 3 to connect the old gun with the new spray lance and new servo regulator	☐
Adapter 4 TR22IG-D11	19	4.111-032.0	Adapter 4 to connect the new gun with the old swivel hose	☐
Adapter 5 TR22IG-M22AG	20	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	21	4.111-034.0	Adapter 6 to connect the new device with the old hose and the old hose with the new gun	☐
Adapter 7 M18IG-TR20AG	22	4.111-035.0	Adapter 7 to connect the old spray lance with the new nozzle	☐
Adapter 8 TR20IG-M18AG	23	4.111-036.0	Adapter 8 to connect the new spray lance with the old nozzle	☐
HOSE REELS				
Automatic, self-winding hose reels for wall mounting				
Automatic stainless steel hose reel, 20 m	24	6.391-520.0		☐
Zinc-coated swivel holder	25	2.639-931.0	Swivel holder for automatic hose reel wall mounting. For maximum action radius and flexibility of high-pressure hose. Rotatable 120°. Galvanised steel.	☐
Stainless steel swivel holder	26	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.	☐
OTHER HP ACCESSORIES				
Coin remote control	27	2.644-029.0	Coin remote control with electronic coin acceptor for connecting a high-pressure cleaner as a pre-wash device. Please have the power outlet and cable provided on site.	☐
TAKE-OFF POINT EQUIPMENT				
HP hose, rotary coupling, 10 mm LL	28	6.388-813.0		☐

☐ Available accessories.

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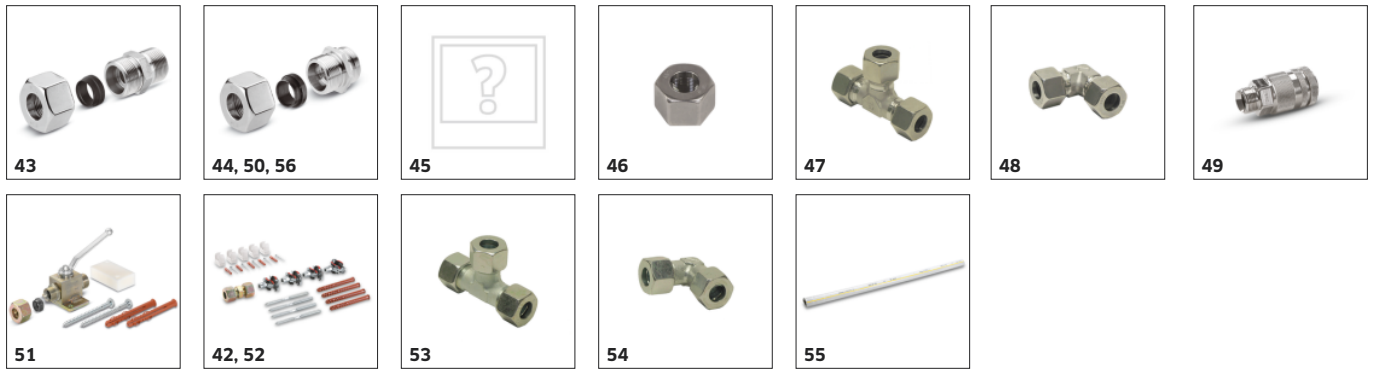


		Order no.	Description	
TAKE-OFF POINT EQUIPMENT				
Hose and spray lance holder VA	29	2.042-003.0	Hose and spray lance wall holder for practical and safe storage of high-pressure hoses or spray lances. Stainless steel wall holder.	☐
REMOTE CONTROL				
Multiple coin-operated remote control	30	2.637-896.0		☐
Multiple-operated control electronics	31	2.744-030.0		☐
Remote control I-O, hot/cold, detergent 1-2	32	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	33	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.	☐
Coin acceptor, 50 cents	34	2.639-912.0	Coin acceptor, 50 cents	☐
Coin acceptor, 1 €	35	2.639-913.0	Coin acceptor, € 1	☐
Coin acceptor, 2 €	36	2.639-914.0	Coin acceptor, € 2	☐
Coin acceptor, tokens	37	6.768-063.0	Token	☐
CONTROL CABLE				
Control cable 7 × 1.5 m	38	6.641-064.0	Control cable 7 × 1.5	☐
Control cable 10 × 1.5 m	39	6.641-082.0	Control cable 10 × 1.5	☐
Control cable 12 × 0.75 m	40	6.641-815.0	Control cable 12 × 0.75	☐
Conduit	41	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	42	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.	☐

☐ Available accessories.

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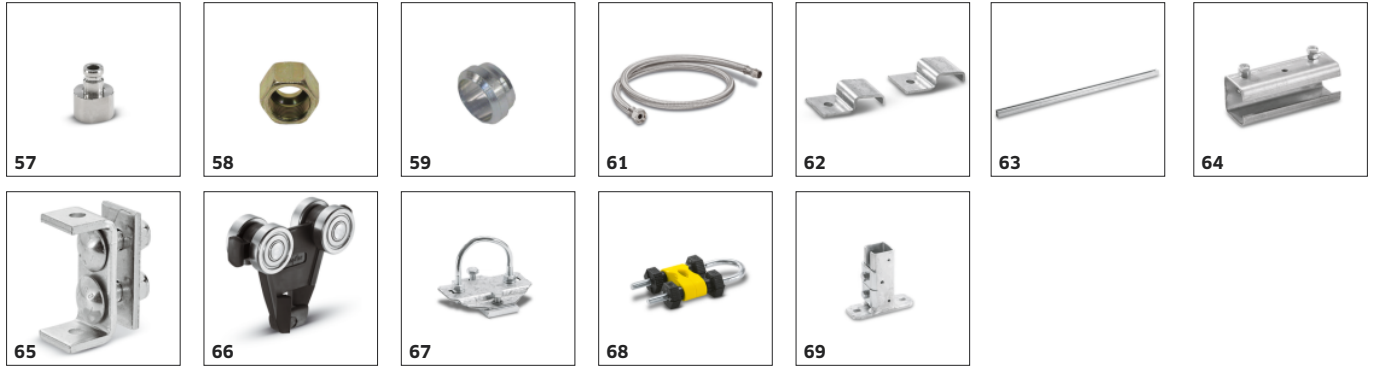
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		Order no.	Description	
HIGH-PRESSURE PIPEWORK				
Connection piece, pipe/HP hose, stainless steel (Ermeto)	43	2.638-181.0	Stainless steel	☐
Connection piece, pipe/stop cock, stainless steel (Ermeto)	44	2.638-183.0	For stationary HD/HDS machines: 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)	45	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)	46	6.386-428.0	(VA)	☐
T-screw connection, stainless steel (Ermeto)	47	6.386-465.0	Stainless steel	☐
Stainless steel elbow union 90°	48	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	49	6.463-023.0	loose part	☐
Connector, galvanised steel	50	2.638-180.0	Alternativ : stainless steel 2.638-181	☐
Shut-off valve, galvanised steel	51	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	52	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	53	6.386-269.0	Tee (90°), galvanised steel with compression fitting for 16 mm pipes. Fixing material (Ermeto) included.	☐
Elbow union, galvanised steel	54	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	55	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	56	2.638-182.0	Alternative: stainless steel 2.638-183	☐

☐ Available accessories.

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HIGH-PRESSURE PIPEWORK				
Quick-release coupling, fixed part	57	6.463-025.0	fixed part	☐
Union nut, galvanised steel	58	6.386-423.0	Union nut, galvanised steel. For 16 mm compression fitting.	☐
Cutting ring	59	6.386-357.0	Galvanised steel cutting ring. For 16 mm compression fitting.	☐
PLANT INSTALLATION				
Installation feet, adjustable	60	2.638-177.0	Feet, adjustable	☐
Water hose, 1.5 m: DN 13, 3/4" nut, 1/2" thread	61	6.389-145.0	Only for use with screw connector 5.402-386.0	☐
HOSE TRACK SYSTEM HIGH-PRESSURE CLEANERS				
C-rail holder	62	6.541-027.0	Wall-mounted C-rail holding clamp for hose guide of Kärcher high-pressure cleaners.	☐
C-rail, per running metre	63	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	64	6.541-011.0	Rail connector	☐
End stop	65	6.541-025.0	End stop	☐
Cable trolley	66	6.541-026.0	Cable trolley for C-rail profile. 20 kg capacity. Weight 0.11 kg. Galvanised steel ball bearing.	☐
End bracket	67	6.541-028.0	End bracket	☐
Handle	68	6.541-029.0	C-rail profile clamp. Galvanised steel. Plastic clamping parts. Weight 0.06 kg.	☐
Wall bracket	69	6.541-039.0	Wall holder for galvanised steel C-rail profile.	☐
Rail holder wall	70	6.541-012.0	Galvanised steel rail bracket for C-rail profile. Weight 0.235 kg.	☐

☐ Available accessories.

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HOSE TRACK SYSTEM HIGH-PRESSURE CLEANERS				
Spring balancer	71	6.542-001.0	Balancer	☐
Spray lance runner, movable	72	4.042-610.0	moveable	☐
FUEL SUPPLY				
Corrugated gas hose	73	6.388-228.0	Corrugated gas hose	☐
Gas shut-off cock	74	6.412-389.0	Gas shut-off cock	☐
Gas pressure gauge	75	6.421-059.0	Gas pressure gauge	☐
CHIMNEY STAINLESS STEEL				
Straight pipe 200 mm 150	76	6.526-242.0	Exhaust pipe, vertical 200	☐
Extension 80/150	77	6.526-266.0	Extension 80 / 150	☐
Length compensating element 150	78	6.526-235.0	Straight pipe 200 mm	☐
Double socket 150	79	6.526-264.0	Single-wall to double-wall adapter	☐
Adapter 150	80	6.526-257.0	Transition adapter 150	☐
Clamp fitting 150	81	6.526-230.0	Adapter 150	☐
Support foot 150	82	6.526-258.0	Screw clamps	☐
Roof duct 0° 150	83	6.526-275.0	Roof duct 0° 150	☐
Rain deflector / wall rosette with sealing strip 150	84	6.526-278.0	Rain deflector / wall rosette with sealing strip 150	☐

☐ Available accessories.

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		Order no.	Description	
CHIMNEY STAINLESS STEEL				
Rain hood with wind deflector 150	85	6.526-281.0	Rain hood with wind deflector 150	☐
SEALS FOR TRAPEZOIDAL THREAD				
Gasket set with 9x O-rings for TR thread	86	2.880-001.0		☐
STATIONARY HIGH-PRESSURE CLEANING SYSTEMS				
Water hose, 1.5 m, DN 13, R 3/4" nut at both ends.	87	4.440-282.0	Water hose, 1.5 m, DN 13, R 3/4"	☐
Floor rack	88	2.210-008.0	Floor structure made of plastic-coated steel for installing stationary HDS hot water machines.	☐
Water solenoid valve	89	4.743-011.0	Water solenoid valve	☐
SELF-SERVICE WASHING SYSTEMS AND EQUIPMENT				
Tokens				
Tokens 26 × 2.3 mm	90	6.768-169.0	Set of tokens, stamped	☐
Miscellaneous				
Swinging boom 180°, wall-mounted	91	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	92	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.