

HD 9/100-4 CAGE CLASSIC

The HD 9/100-4 Cage Classic ultra high-pressure cleaner stands out thanks to a working pressure of 1000 bar, an hourly flow rate of 900 l and a bypass trigger gun. Removes even extremely stubborn dirt.



Made in Germany



Order no.

1.812-000.0

- 4-pole air-cooled electric motor

Technical data

EAN code		4054278303130
Working pressure	bar / MPa	1000 / 100
Flow rate	l/h	980
Inlet temperature	°C	45
Fuel		Electric
Motor rating	kW	35
Number of current phases	Ph	3
Voltage	V	380 - 415
Frequency	Hz	50
Pump type		Crankshaft
Weight without accessories	kg	378
Weight (with accessories)	kg	392
Weight incl. packaging	kg	395.5
Dimensions (L × W × H)		1395 × 789 × 1088

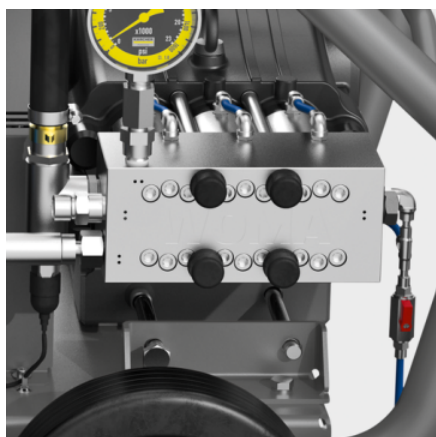
This machine requires instruction.

Scope of supply

Spray gun: UHP trigger gun (Dump Gun)
Stainless steel spray lance: 750 mm
Flat jet nozzle

Equipment

High-pressure hose length: 20 m
Safety valve
Elapsed time counter



Powerful industrial high-pressure pump

- Plunger made from carbide for a long service life.
- Maintenance-friendly design that makes replacing wear parts such as valves, seals and plungers easy.
- Central valve design for high volumetric effectiveness.



User-friendly WOMA trigger gun

- Ergonomic handle and lightweight design for ease of operation.
- Reduced trigger forces for effortless working.

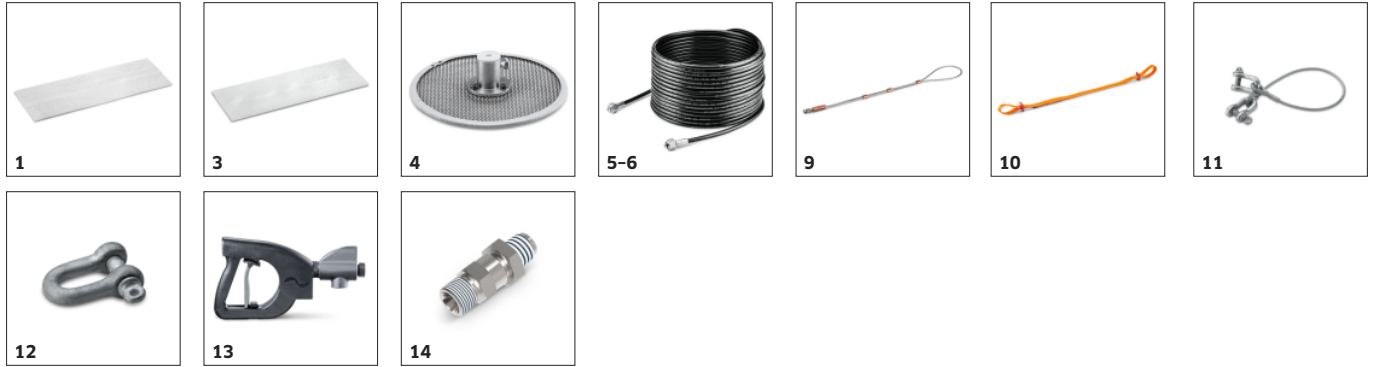


Durable and robust

- Low operation and service costs.
- Prevents any sudden recoil for the user, as the pressure is built up slowly when pulling the trigger gun.

ACCESSORIES FOR HD 9/100-4 CAGE CLASSIC

1.812-000.0



		Order no.	Description	
ULTRA-HIGH-PRESSURE CLEANERS				
Attachment kits				
Filter fleece filter housing 100 µm	1	6.414-074.0	5 pc. fleece filter bags, 100 µm for filter casing.	■
Attachment kit for advance pressure pump	2	2.637-017.0	Booster pump attachment kit for reliable high-pressure pump water supply. The advance pressure pump is installed in the machine.	□
Filter fleece, filter casing	3	6.414-073.0	Filter fleece, 50 µm for filter casing. Contents: Pack of 5.	□
Splash guard	4	9.871-040.0	Splash guard for pushing onto the spray lance.	□
High-pressure hoses				
Pressure hose, 20 m, 1100 bar, M24 × 1.5	5	9.919-791.0	Durable, abrasion-resistant and flexible multi-layer steel-reinforced hose with connection size M 24 × 1.5. Suitable for up to 1100 bar working pressure.	■
Pressure hose, 40 m, 1100 bar, M24 × 1.5	6	9.919-912.0	Abrasion-resistant, flexible and thanks to multilayer steel casing also very durable hose with 40 m length. Suitable for up to 1100 bar working pressure. Connection size M 24 × 1.5.	□
Pressure hose, 10 m, 1250 bar, M24 × 1.5	7	9.887-894.0	The 10 m long high-pressure hose is more abrasion-resistant and long-lasting than the standard hose. Suitable for up to 1250 bar working pressure and the connection size M 24 × 1.5.	□
Pressure hose, 20 m, 1250 bar, M24 × 1.5	8	9.887-895.0	Abrasion-resistant and extremely long-lasting: The 20 m long high-pressure hose is suitable for up to 1250 bar working pressure and the connection size M 24 × 1.5.	□
Metal safety sling	9	9.887-583.0	Hose sling for securing high-pressure hose at machine. Prevents uncontrolled lashing in the event of malfunctions, thus minimising the risk of injury for the operator.	□
Textile safety sling	10	9.920-368.0		□
Mounting rope, 0.5 m	11	6.025-311.0	Fastening rope	□
Shackles	12	6.025-195.0	Sturdy shackles for fastening slings for high-pressure hoses at machine.	□
Trigger guns				
UHP trigger gun	13	9.918-187.0	The bypass trigger gun is suitable for working pressures of up to 3000 bar. The water flows into a bypass when the trigger gun is closed. Connection for high-pressure hose, 9/16" UNF.	■
Hose connection	14	9.871-969.0	Hose connection with the connection size M 24 × 1.5 for fastening at the UHP trigger gun.	■

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

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		Order no.	Description	
ULTRA-HIGH-PRESSURE CLEANERS				
Trigger guns				
Adapter for pressures of up to 1500 bar when using the dump gun	15	9.918-624.0	Adapter for bypass trigger gun for pressures of up to 1500 bar. Connection for high-pressure hose, M24 × 1.5.	■
Bypass pipe	16	9.918-623.0	Bypass pipe for rerouting the bypass water from the bypass trigger gun.	■
Shoulder support	17	9.918-752.0	Sturdy shoulder support that must be used from a recoil force of more than 150 N.	□
DSA 1500 M24X1.5 24°DK	18	9.872-437.0	Necessary connection element (M 24 × 1.5) for installation of high-pressure hose at UHP trigger gun. The hose remains rotatable relative to the trigger gun. Suitable for up to 1500 bar working pressure.	□
Spray lances				
Spray lance	19	9.891-183.0	Spray lance with connection size 9/16" UNF. Suitable for up to 1,500 bar working pressure.	■
Nozzle pipe	20	9.891-182.0	Spray lance with connection size 9/16" UNF. Suitable for up to 1500 bar working pressure.	□
Spray lance	21	9.891-184.0	Spray lance with connection size 9/16" UNF. Suitable for up to 1,500 bar working pressure.	□
	22	9.891-207.0		□
	23	9.891-185.0	Spray lance with connection size 9/16" UNF. Suitable for working pressures of up to 1500 bar .	□
Spray lance handle	24	6.025-300.0	Spray lance handle.	□
Spray lance handle, 90°	25	9.871-675.0	Side handle for spray lance. 90° angle to spray lance axis. Flexible and individually adjustable.	□
Couplings and connectors				
Hose connector	26	9.877-911.0	For connecting and extending high-pressure hoses with connection M 24 × 1.5.	□
Pressure screw	27	9.883-492.0	Thrust screw with connection size M26 × 1.5.	□
Pressure ring	28	9.883-570.0	Thrust collar with connection size 9/16" UNF.	□

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		Order no.	Description	
ULTRA-HIGH-PRESSURE CLEANERS				
Couplings and connectors				
Pressure screw	29	9.883-669.0	Pressure screw, connection size 1 1/8" UNF.	☐
Pressure ring	30	9.883-670.0	Pressure ring, connection size 9/16" UNF.	☐
Grease for stainless steel threaded joints	31	6.280-180.0	Grease for stainless steel screw connections.	☐
Abrasive blaster				
Replacement nozzle for abrasive blaster	32	6.025-346.0	Replacement nozzle for abrasive spray head made from boron carbide. Colour blue.	☐
F98 nozzle set, 0.60 mm	33	9.886-550.0		☐
Nozzle F98 for abrasive blaster	34	6.025-256.0	0.6 mm	☐
Suction lance	35	6.025-258.0	For the suction of spray agents.	☐
Mounting tool for nozzle set	36	6.025-257.0	For F98 nozzles.	☐
Abrasive	37	6.025-309.0	25 kg, 0.5-1.00 mm, garnet sand.	☐
	38	6.025-310.0	25 kg, 0.7-1.40 mm, garnet sand.	☐
Abrasive sprayer	39	9.872-250.0	Abrasive spray head for wet sand blasting. Nozzle size: 3 × 0.6. Only includes spray head. Without hose and lance.	☐
Abrasive material hose	40	6.025-308.0	Abrasive hose.	☐
NOZZLES				
Plug-in nozzles F4/F19				
Nozzle carrier F4/F19	41	9.872-008.0	Nozzle carrier for nozzle F4 / F19. Suitable for working pressures of up to 1,500 bar.	☒
O-ring	42	6.025-168.0	For nozzle carrier F4/F19.	☒

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		Order no.	Description	
NOZZLES				
Plug-in nozzles F4/F19				
Flat jet nozzle F19, 1,1 mm, 20 °	43	6.025-466.0	Plug-in flat jet nozzle F19 with a diameter of 1.10 mm and 20°. Suitable for working pressures of up to 1,500 bar.	■
Round jet nozzle F4, 0,9 mm	44	6.025-470.0	Plug-in round jet nozzle F4 with a diameter of 0.90 mm. Suitable for working pressures of up to 1,500 bar.	□
Round jet nozzle F4, 1 mm	45	6.025-198.0	Plug-in round jet nozzle F4 with a diameter of 1.00 mm. Suitable for working pressures of up to 1,500 bar.	□
Round jet nozzle F4, 1,1 mm	46	9.885-951.0	Plug-in round jet nozzle F4 with a diameter of 1.10 mm. Suitable for working pressures of up to 1,500 bar.	□
Round jet nozzle F4, 1,2 mm	47	6.025-199.0	Plug-in round jet nozzle F4 with a diameter of 1.20 mm. Suitable for working pressures of up to 1,500 bar.	□
Round jet nozzle F4, 1,3 mm	48	6.025-196.0	Plug-in round jet nozzle F4 with a diameter of 1.30 mm. Suitable for working pressures of up to 250 bar with water flow rate of 900 l/h.	□
Flat jet nozzle F19, 1,2 mm, 20 °	49	6.025-207.0	Plug-in flat jet nozzle F19 with a diameter of 1.20 mm and 20°. Suitable for working pressures of up to 1,500 bar.	□
Flat jet nozzle F19, 1,4 mm, 20 °	50	6.025-211.0	Plug-in flat jet nozzle F19 with a diameter of 1.40 mm and 20°. Suitable for working pressures of up to 1,500 bar.	□
Flat jet nozzle F19, 1,5 mm, 20 °	51	6.025-203.0	Plug-in flat jet nozzle F19 with a diameter of 1.50 mm and 20°. Suitable for working pressures of up to 1,500 bar.	□
Flat jet nozzle F19, 1,1 mm, 30 °	52	6.025-467.0	Plug-in flat jet nozzle F19 with a diameter of 1.10 mm and 30°. Suitable for working pressures of up to 1,500 bar.	□
Flat jet nozzle F19, 1,2 mm, 30 °	53	6.025-208.0	Plug-in flat jet nozzle F19 with a diameter of 1.20 mm and 30°. Suitable for working pressures of up to 1,500 bar.	□
Flat jet nozzle F19, 1,3 mm, 30 °	54	6.025-469.0	Plug-in flat jet nozzle F19 with a diameter of 1.30 mm and 30°. Suitable for working pressures of up to 1,500 bar.	□
Flat jet nozzle F19, 1,4 mm, 30 °	55	6.025-212.0	Plug-in flat jet nozzle F19 with a diameter of 1.40 mm and 30°. Suitable for working pressures of up to 1,500 bar.	□
Flat jet nozzle F19, 1,5 mm, 30 °	56	6.025-204.0	Plug-in flat jet nozzle F19 with a diameter of 1.50 mm and 30°. Suitable for working pressures of up to 1,500 bar.	□

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

ACCESSORIES FOR HD 9/100-4 CAGE CLASSIC

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		Order no.	Description	
NOZZLES				
Screw nozzles F21				
Nozzle carrier F21	57	9.878-291.0	Nozzle carrier for sapphire nozzle F21. Suitable for working pressures of up to 3,000 bar.	☐
Dummy nozzle F21	58	6.025-237.0	F21 screw-on dummy nozzle. Suitable for working pressures of up to 3,000 bar.	☐
Round jet nozzle F21, Saphir, 0,35 mm	59	9.886-208.0	Screw-on F21 sapphire round jet nozzle with a diameter of 0.35 mm. Suitable for working pressures of up to 3,000 bar.	☐
Round jet nozzle F21, Saphir, 0,4 mm	60	9.886-209.0	Screw-on F21 sapphire round jet nozzle with a diameter of 0.40 mm. Suitable for working pressures of up to 3,000 bar.	☐
Round jet nozzle F21, Saphir, 0,45 mm	61	6.025-220.0	Screw-on F21 sapphire round jet nozzle with a diameter of 0.45 mm. Suitable for working pressures of up to 3,000 bar.	☐
Round jet nozzle F21, Saphir, 0,55 mm	62	9.886-211.0	Screw-on F21 sapphire round jet nozzle with a diameter of 0.55 mm. Suitable for working pressures of up to 3,000 bar.	☐
Round jet nozzle F21, Saphir, 0,6 mm	63	9.886-212.0	Screw-on F21 sapphire round jet nozzle with a diameter of 0.60 mm. Suitable for working pressures of up to 3,000 bar.	☐
Round jet nozzle F21, Saphir, 0,65 mm	64	6.025-221.0	Screw-on F21 sapphire round jet nozzle with a diameter of 0.65 mm. Suitable for working pressures of up to 2,500 bar.	☐
Round jet nozzle F21, Saphir, 0,7 mm	65	6.025-222.0	Screw-on F21 sapphire round jet nozzle with a diameter of 0.70 mm. Suitable for working pressures of up to 3,000 bar.	☐
Round jet nozzle F21, Saphir, 0,75 mm	66	9.886-213.0	Screw-on F21 sapphire round jet nozzle with a diameter of 0.75 mm. Suitable for working pressures of up to 3,000 bar.	☐
Round jet nozzle F21, Saphir, 0,8 mm	67	9.886-214.0	Screw-on F21 sapphire round jet nozzle with a diameter of 0.80 mm. Suitable for working pressures of up to 3,000 bar.	☐
Round jet nozzle F21, Saphir, 0,85 mm	68	9.886-215.0	Screw-on F21 sapphire round jet nozzle with a diameter of 0.85 mm. Suitable for working pressures of up to 3,000 bar.	☐
Round jet nozzle F21, Saphir, 0,9 mm	69	9.886-216.0	Screw-on F21 sapphire round jet nozzle with a diameter of 0.90 mm. Suitable for working pressures of up to 3,000 bar.	☐
Round jet nozzle F21, Saphir, 0,95 mm	70	9.886-217.0	Screw-on F21 sapphire round jet nozzle with a diameter of 0.95 mm. Suitable for working pressures of up to 3,000 bar.	☐

☐ Available accessories.

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		Order no.	Description	
NOZZLES				
Screw nozzles F21				
Round jet nozzle F21, Saphir, 1 mm	71	9.886-218.0	Screw-on F21 sapphire round jet nozzle with a diameter of 1.00 mm. Suitable for working pressures of up to 3,000 bar.	☐
Round jet nozzle F21, Saphir, 1,1 mm	72	9.886-219.0	Screw-on F21 sapphire round jet nozzle with a diameter of 1.10 mm. Suitable for working pressures of up to 3,000 bar.	☐
Round jet nozzle F21, Saphir, 0,3 mm	73	9.886-207.0	Screw-on F21 sapphire round jet nozzle with a diameter of 0.30 mm. Suitable for working pressures of up to 3,000 bar.	☐
Round jet nozzle F21, Saphir, 0,5 mm	74	9.886-210.0	Screw-on F21 sapphire round jet nozzle with a diameter of 0.50 mm. Suitable for working pressures of up to 3,000 bar.	☐
PROTECTIVE CLOTHING				
HD Overall size M	75	6.547-055.0	High-pressure protective suit for safe working with high-pressure water jets of up to 1000 bar. Particularly lightweight design which feels comfortable to wear and provides excellent freedom of movement.	☐
High-pressure protective suit, size L	76	6.547-056.0		☐
HD Overall size XL	77	6.547-057.0		☐
ROTARY NOZZLES				
Single-jet rotary nozzles				
Orbimaster, 1 mm	78	9.886-666.0	High area performance due to orbital movement of the water stream. Rotor and seat made of hard metal, casing made of high-strength stainless steel. Easy rotor replacement. Suitable for hot water operation up to 100°C. Self-propelling. Low weight.	☐
Repair kit Orbimaster, 1 mm	79	9.884-069.0	Repair kit Orbimaster, comprising rotor, fitting and O-ring. Suitable for our single rotary nozzle (Order No. 9.886-666.0). Can be used up to 1,500 bar water pressure.	☐
Multi-jet rotary nozzles				
Nozzle carrier head TD06	80	9.886-875.0	6-jet nozzle carrier head for F21 nozzle. Suitable for working pressures of up to 3,000 bar. 30° spray angle, includes guard and flow conditioner.	☐
Nozzle carrier head TD08	81	9.886-879.0	6-jet nozzle carrier head for F21 nozzle. Suitable for working pressures of up to 3,000 bar. 25° spray angle, includes guard and flow conditioner.	☐
Nozzle carrier head TD10	82	9.918-067.0	4-jet nozzle carrier head for F21 nozzle. Suitable for working pressures of up to 3000 bar. 45° spray angle, includes guard and flow conditioner.	☐
Nozzle body	83	9.917-677.0	Rotary transmission lead-through with infinitely variable speed control. Includes protective pipe.	☐
Nozzle carrier head TD09	84	9.899-828.0	6-jet nozzle carrier head for F21 nozzle. Suitable for working pressures of up to 3,000 bar. 35° spray angle, includes guard and flow conditioner.	☐

☐ Available accessories.