

Electrically heated hot water high-pressure cleaner with Kärcher power nozzle. Triple-chamber boiler system. Continuous running-resistant long-life pump with three pistons with ceramic sleeves. Integrated storage facility for spray lance, hose and cable.

Standard accessories:

- Trigger gun Easy Press
- Trigger gun with soft grip
- High-pressure hose 10 m
- Spray lance 1050 mm
- Power nozzle
- Emission-free electric heating (12 kW / 24 kW)
- Anti-twist system (AVS)
- Control panel with indicator lamps
- Three piston axial pump With stainless steel pistons
- Pressure switch control
- Stainless steel spray lance 1050 mm
- 2 detergent tanks



Order no.: 1.030-111.0

Technical data

Number of current phases (Ph)	3
Frequency (Hz)	50
Voltage (V)	400
Water flow rate (l/h)	300-750
Pressure (bar/MPa)	30-150/3-15
Max. temperature (°C)	max. 80-max. 45
Connected load (kW)	5.6-24
Connected load (kW)	5.6
Weight (kg)	100
Dimensions (L x W x H) (mm)	1285x690x835
Detergent tank (l)	25
Detergent tank (l)	25-20

Details

Description

The HDS 801-4 E hot water high-pressure cleaner offers a number of technical features which grant this unit a privileged position. The performance of this high-pressure cleaner is a unique compromise between ecology on the one hand and the technical practicable on the other hand. Thanks to the emission-free electronic heating with high-speed heating chamber the temperature of the water storage is raised up to 60°C within 2,5 minutes (24 kW version). This hot water high-pressure cleaner is used in all those areas where the usage of a burner is disturbing or not permitted because of emissions, e.g. in company and social hygiene areas, in food processing companies, hospitals, industrial kitchens or public baths, etc. The principle of the hot water production is the separation of the high-speed heating chamber and the hot water tank. This separation effects that hot spray water is available within a very short time. The high-speed heating chamber has a water volume of 19 litres and raises its temperature up to 60°C within 2,5 minutes (24 kW version). The heated spray water that is not needed at the moment raises into the 36-litre warm water tank. Then cold water flows into the heating chamber. The entire boiler is made of stainless steel. The spray lance and the high-pressure hose are pivot mounted to ensure a pleasurable and fatigue-free operation over long periods of time. The quality high-pressure pump of the HDS 801-4 E offers superb ruggedness for extra long lifetime and service life. The deep-drawn chassis is in one piece without weld seams and virtually corrosion-proof due to its galvanized, phosphated and plastic-coated finish. The detergent tanks (1 x 20 l + 1 x 25 l) are made of corrosion-proof plastics.

Application

The electrically heated high-pressure cleaner is used in all those areas where the use of a burner (oil) is not permitted because of its emissions, e. g. in company and social hygiene areas in food processing companies, hospitals, industrial kitchens, public baths.

Features & Benefits

2-chamber boiler-system, warm water (36 l) and quick heating chamber (19 l). The separation of the quick heating and warm water chamber makes it possible to have hot water at one's disposal within a very short time. Hot water which is not required at the moment raises up into the warm water chamber and cold water flows into the quick heating chamber. Drive: Air-cooled 4-pole 3-phase motor with thermal sensor, endurance tested Strong drive with overload protection, automatic switch-off of machine Boiler and burner system: Boiler made of stainless steel with integrated calcification protection and level indicator, heat-up time (60°C) 24 kW machine: 2,5 minutes No exhaust gas when heating-up the water therefore ideal for closed rooms, protection from scaling, corrosion-proof Hot and cold water mixing valve on the front panel Mixing of cold and hot water is depending on the cleaning task. By working with low temperatures the hot water stock is not worn out - energy saving High-pressure pump: Hot water-suited pump with three pistons with ceramic sleeves, swash plate drive Direct drive, minimum of moving parts, excellent efficiency, smooth and quiet operation, max. temperature 85°C Brass cylinder head with integrated pressure and water flow control, infinitely variable Detergent proof, suitable for every cleaning task Safety and control equipment: Miscellaneous: Integrated detergent tank (20/25l), detergent application by high-pressure via an infinitely variable metering valve Possibility to use two different detergents, economical detergent usage, accurate metering, metering range: 0-80 l/h Temperature control with optical indication Infinitely variable temperature setting, automatic switch-off when the set temperature is reached

Accessories

Adapter for variable pressure spray lance

Adapter for variable pressure spray lance

For items 4.760-230 and 4.760-362 for mounting accessories to lance, M 24/18 x 1.5

Order no. 4.762-075.0



Angle vario nozzle 0°-90°

Angle vario nozzle 0-90°

Makes it possible to change the high-pressure jet spray angle from 0°-90° (infinitely variable). This makes it easy to adapt it to all types of dirt and surfaces.

Order no. 4.763-039.0



Angular spray lance

Bathroom and eaves gitter spray lance

With nozzle. Specially shaped for cleaning of eaves gutters and for hygienically cleaning WCs. Stainless steel.

Order no. 4.760-073.0



Automatic, self-winding hose reels

ABS wall fastening stainless steel

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.

Order no. 2.641-867.0



Automatic, self-winding hose reels

ABS hose reel stainless steel

High-grade, automatic steel hose reel. Especially suitable for use in the food industry. The material and finish provide for a corrosion-resistant, watertight capsuled sprong drive. Connection for HP hoses with nipple.

Order no. 2.641-866.0



Self-winding hose reel with swivel holder, stainless steel, 20 m

Automatic hose reel with swivel holder (high-grade steel)

Order no. 6.391-421.0



Swivel holder

ABS swivel holder for 2.639-919.0

Order no. 2.639-931.0



Hose drum, automatic, 20 m, coated

Hose reel, automatic, 20 m, coated

Order no. 2.639-919.0



Boron carbide nozzle

Boron carbide nozzle, for machines as of 1000 l/h

In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.

Order no. 6.415-084.0



Connector

Nozzle union / Screw union

For connecting HP nozzle and accessories directly to trigger gun (with nozzle union) – 1 x M 22 x 1.5 / 1 x M 18 x 1.5

Order no. 4.402-022.0



Coupling

Double pipe union

For connecting and extending HP hoses. 2 x M 22 x 1,5 connections, brass with rubber protector

Order no. 4.403-002.0



Crane lifting kit

Crane loading kit for HDS 695 - 1295

Effortless loading by crane.

Order no. 2.638-900.0



Dirt blaster – changeover to low pressure cleaning agent intake

Dirt blaster - changeover to low pressure cleaning agent intake

Dirt blaster – rotating pencil jet – 10x cleaning power. Ceramic nozzle and bearing ring for long service life. Changeover to detergent intake (low pressure) max. 300 bar/30 MPa, 85 °C

Order no. 4.763-951.0



Dirt blaster – non-changeover

Dirt Blaster, not adjustable

Dirt blaster – rotating pencil jet – 10x cleaning power. Ceramic nozzle and bearing ring for long service life. Max. 300 bar/30 MPa, 85 °C

Order no. 4.763-988.0



Dreckfräser - umschaltbar auf Flachstrahl

Dirt blaster - changeover to fan jet

Dirt blaster – rotating pencil jet – 10x cleaning power. Ceramic nozzle and bearing ring for long service life. Changeover to high-pressure fan jet max. 300 bar/30 MPa, 85 °C

Order no. 4.763-957.0



Easy Foam Set

Easy foam set

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.

Order no. 2.640-693.0



Easy Press high-pressure gun with holding power reduction (Kärcher patent)

Easy Press high-pressure gun with soft grip insert

Easy Press HP trigger guns, for HP hoses NW 6 / NW 8 with swivel diameter 11 mm

Order no. 4.775-463.0



Fine-mesh water filter

Fine mesh water filter, 80 µm, R 3/4" + 1", with adapter

Mounted to machine inlet, 80 µm, with adapter R 3/4" / 1"

Order no. 4.730-102.0



Fine mesh water filter, 100 µm, R 1"

Mounts to machine inlet, 100 µm

Order no. 2.638-270.0



Foam nozzle mounting kit

Anbausatz Schaumdüse

For applying foam detergent in metered quantities in sanitary and food areas, or where long reaction time is necessary, mounts to spray lance in place of HP nozzle

Order no. 2.637-926.0



Food industry version

High-pressure hose, 15 m, DN 6, AVS trigger gun connection, food industry, grey

Food industry version, AVS connection in the pistol. NW 6/155 °C/250 bar

Order no. 6.390-445.0



Geka coupling

Geka coupling with hose liner, R 1/2"

with hose liner

Order no. 6.388-461.0



Geka coupling

Geka coupling with female thread, R 1"

with female thread

Order no. 6.388-458.0



Geka coupling with hose liner, R 3/4"

with hose liner

Order no. 6.388-455.0



Hard surface cleaner FR 30 ME

FR 30 ME hard surface cleaner

A rotating nozzle beam with Kärcher Power nozzles has an area coverage up to 10 times larger than conventional methods. Stainless steel version. Ceramic bearings. Integral vacuum connection. Machine specific nozzle kit has to be ordered separately. Max. 250 bar / 1100 l/h / 80 °C

Order no. 2.640-355.0



HKF 50 spray head, stainless steel

Spray head HKF 50, stainless steel

Motor-driven interior cleaning head for the industrial container cleaning of small barrels (barrels of 200 - 500 l)

Order no. 3.631-009.0



Hose reel add-on kit

Hose reel kit for HDS 695 - 1295

ABS hose reel for mounting on the machine. For safe and tidy stowage of high-pressure hoses (with connecting hose to machine's HP outlet). Can be rotated under pressure, with M 22 x 1.5 connection.

Order no. 2.637-998.0



HP detergent injector

Detergent injector for high pressure

Cleaning agent dosage at high pressure 3 - 5 %

Order no. 3.637-170.0



HP nozzle spray angle 0°

HP nozzle spray angle 0°

Solid jet for very stubborn dirt and stains.

Order no. 2.884-534.0



Inno Foam Set

Inno foam set

HP foam system for use with mobile and stationary HD/HDS units for cleaning and disinfection. Twin spray lance with foam nozzle and changeover to HP jet for clear rinsing etc., HP chemical injector with precision 0-5% metering valve. The machine specific nozzle kit has to be ordered separately.

Order no. 2.640-692.0



Longlife food industry version

High-pressure hose Longlife 400, 20 m, DN 8, AVS trigger gun connection

Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With patented AVS connection in the pistol (pivot mounted)

Order no. 6.391-886.0



High-pressure hose Longlife 400, 10 m, DN 8, AVS trigger gun connection

Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With patented AVS connection in the pistol (pivot mounted)

Order no. 6.391-885.0



Machine-specific nozzle kit for HSC##

Nozzle pack for hard surface cleaners (machine-specific) 650 - 850 l/h

Machine-specific nozzle kit Kärcher power nozzle for hard surface cleaners

Order no. 2.639-187.0



Machine-specific nozzle kit with order no. 3.637-170

Machine-specific nozzle kit for order no. 3.637-170 750-1000 l/h

For HD/HDS 750 - 1000 l/h. Consists of nozzle insert + HP power nozzle + union

Order no. 4.769-047.0



Nozzle kit for HKF 50 spray head (3.631-009.0 / 3.631-039.0)

Nozzle 030 for dual nozzle operation HKF 50

Nozzle for dual-nozzle operation

Order no. 6.415-444.0



Screw plug for using a spray head with one nozzle

Screw plug for using a spray head with one nozzle

Order no. 5.411-061.0



Cone for plugging into bungholes

Cone for plugging into bungholes

Order no. 4.132-002.0



Nozzle kit for HKF 50 spray head (3.631-009.0 / 3.631-039.0)

Double handle for exact control of the spray head

Double handle. Precise control of the spray head

Order no. 2.863-036.0



Nozzle kits for Inno/Easy Foam Set

Nozzle kit 090 for Inno/Easy Set 700 - 1,000 l/h

Optimal adaptation to different machine outputs for economic use.

Order no. 2.640-688.0



Nozzle pack for wet blasting attachment

Nozzle pack for wet blasting attachment 045

Nozzle pack for wet-blasting nozzle for items 28 / 29 Consisting of wet-blasting nozzle and nozzle insert – only in conjunction with wet-blasting attachment 4.762-010/ -022

Order no. 2.637-901.0



Nozzle union

Nozzle union

With protector for high-pressure and Power nozzles M 18 x 1.5

Order no. 5.401-210.0



Pipe cleaning hose, ID 6

Pipe cleaning hose, NW 6, 30 m

Especially flexible high-pressure hoses for inner pipe cleaning (thread connection for nozzle R 1/8).

Order no. 6.390-029.0



Pipe cleaning hose, NW 6, 20 m

Especially flexible high-pressure hoses for inner pipe cleaning (thread connection for nozzle R 1/8).

Order no. 6.390-028.0



Power nozzle spray angle 15°

Power nozzle spray angle 15°

Fan jet nozzle for stubborn dirt and stains.

Order no. 2.883-389.0



Power nozzle spray angle 25°

Power nozzle spray angle 25°

Fan jet nozzle for large-area coverage and stubborn dirt and stains.

Order no. 2.883-398.0



Power nozzle spray angle 40°

Power nozzle spray angle 40°

Fan jet nozzle for large-area coverage – suitable for sensitive surfaces

Order no. 2.884-523.0



Push-on washing brush

Push-on washing brush, M18 x 1.5

General-purpose cleaning on all surfaces. With clamp for mounting directly to spray lance. Connection M 18 x 1.5.

Order no. 4.762-016.0



Rollover nozzle holder

Rollover nozzle holder

Changes from solid to fan jet with flick of the wrist. Knurled nut for changeover to low pressure detergent intake, without nozzles (order machine-specific Kärcher Power nozzle separately)

Order no. 4.764-012.0



Rotary coupling

Rotating coupler

Reliably prevents high-pressure hose twisting. Connection M 22 x 1.5 m. protector

Order no. 4.401-091.0



Rotary coupling

Reliably prevents high-pressure hose twisting. Connection M 22 x 1.5 m. protector

Order no. 4.401-076.0



Rotating spray lances

Spray lance, 2,050 mm, swivelling, ergonomical

Spray lance, 2,050 mm, swivelling, ergonomical

Order no. 4.760-366.0



Rotating spray lances

1550mm Rotating spray lance

Spray lance, 1,550 mm, swivelling, ergonomical

Order no. 4.760-365.0



Spray lance, pivoting, 600 mm

Spray lance, 600 mm, swivelling, ergonomical

Order no. 4.760-364.0



Swivelling spray lance 1,050 mm

Spray lance, 1,050 mm, swivelling, ergonomical

Order no. 4.760-550.0



Rotating washing brush

Rotating washing brush for machines <lt; 800 l/h

Driven by water jet. Gently removes fine dust and traffic film from all surfaces. Temperature resistant up to 80 °C. M 18 x 1.5. (replaceable brush element)

Order no. 4.762-288.0



Rotary wash brush

Driven by water jet. Gently removes fine dust and traffic film from all surfaces. Temperature resistant up to 80 °C. M 18 x 1.5. (replaceable brush element)

Order no. 4.762-284.0



Shut-off cock

Shut-off cock

Mounts to machine's high-pressure outlet. The shut-off cock simplifies handling of pipe cleaning hose using the shut-off cock's "on-off" functions which can be easily controlled on the machine.

Order no. 4.580-160.0



Spacer (including nozzle union)

Spacer (incl. nozzle union)

Guarantees constant safety clearance, e.g. for tyres and bodywork. Helps prevent damage to sensitive surfaces. Mounts directly to lance.

Order no. 5.394-294.0



Spray lance

Spray lance, 250 mm, does not pivot

##Stainless steel with hand screw union, does not pivot. With extended trigger guns

Order no. 4.760-058.0



Spray lances

Double spray lance 960 mm

Infinitely adjustable control of the working pressure directly on the handle with full water quantity. Suitable above all for agriculture (e.g. cleaning stalls).

Order no. 6.394-665.0



standard

High-pressure hose, 15 m DN 6, AVS trigger gun connection

With patented AVS connection in the trigger gun (pivot-mounted) and hand screw union. M 22 x 1.5 with anti-kink protection. NW 6/155°C/250 bar

Order no. 6.390-174.0



High-pressure hose, 10 m DN 6, AVS trigger gun connection

With patented AVS connection in trigger gun (pivot mounted) and hand screw union. M22x1.5 with anti-kink protection ID 6/155°C/250 bar

Order no. 6.389-853.0



Stationäre Hochdruckanlagen

High-pressure hose, 1.5 m DN 8, connection to hose reel

Order no. 6.388-886.0



Suction filter

Suction filter without non-return valve

Without non-return valve, brass

Order no. 4.730-019.0



Suction filters with non-return valve

With non-return valve, brass

Order no. 4.730-012.0



Undercarriage spray lance

Underbody lance

Mobile. For effective and convenient cleaning of underbodies, chassis and wheel arches. Stainless steel. Without HP nozzle.

Order no. 4.760-245.0



Variable pressure spray lance

Variable pressure spray lance, 670 mm

With integrated pressure gauge for infinitely variable pressure control directly on the spray lance. Nozzle union M 24 x 1.5. Addition of cleaning agent at low pressures.

Order no. 4.760-362.0



Variable pressure spray lance, 1,040 mm

With integrated pressure gauge for infinitely variable pressure control directly on the spray lance. Nozzle union M 24 x 1.5. Addition of cleaning agent at low pressures.

Order no. 4.760-230.0



Water supply hose

Water supply hose

NW 19 R1" / R1", up to 85 °C

Order no. 4.440-270.0



Water supply hose

NW 19 R1" / R 3/4", up to 85 °C, for pick-up

Order no. 4.440-207.0



Water supply hose

Water supply hose

NW 13 R1" / R 3/4", up to 30 °C

Order no. 4.440-038.0



Wet blasting attachment (without nozzle)

Wet blasting attachment without flow control (without nozzle)

Adds abrasive to high-pressure jet. For removing paint, rust, scaling. Mounts to spray lance instead of the of high-pressure nozzle. Without flow control.

Order no. 4.762-022.0



Wet blasting attachment with flow control (without nozzle)

Adds abrasive to high-pressure jet. For removing paint, rust, scaling. Mounts to spray lance instead of the of high-pressure nozzle. With flow control.

Order no. 4.762-010.0

