

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
- Electric heater for zero emissions (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°

Varlo nozzle 0-90°

High-pressure jet infinitely variable between 0° and 90° so it can be exactly matched to all types of soiling and surfaces.

Order no. 4.763-039.0



Blaue Lebensmittelschläuche

Order no. 6.391-886.0



Order no. 6.391-885.0



Boron carbide nozzle

Boron carbide nozzle

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

Order no. 6.415-084.0



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 lifting kit

Effortless handling by crane.

Order no. 2.638-900.0



Dirt Blaster, changeover

Dirt Blaster, changeover

changeover to high-pressure fan jet

Order no. 4.763-957.0



Dirt Blaster, changeover

Changeover to chemical intake (low pressure).

Order no. 4.763-951.0



Dirt Blaster, not adjustable

Dirt Blaster, not adjustable

Order no. 4.763-988.0



Easy Foam Set

Easy Foam Set

Complete, ready-to-use 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.

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 high-pressure trigger gun, for high-pressure hoses ID 6 / ID 8 with Swivel, diameter 11 mm

Order no. 4.775-463.0



Fine-mesh water filter

Fine mesh water filter

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

Order no. 4.730-102.0



Fine mesh water filter

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

Food industry version, AVS connection in trigger gun grey ID 6/155 °C/230 bar

Order no. 6.390-445.0



FR 30 ME hard surface cleaner

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



Geka coupling

Geka coupling

with hose liner

Order no. 6.388-461.0



Geka coupling

with female thread

Order no. 6.388-458.0



Geka coupling

Geka coupling

with hose liner

Order no. 6.388-455.0



HKF 50 spray head, stainless steel

HKF 50 E

Spray head driven by an electric motor for the industrial container cleaning of small barrels (200 - 500 l)

Order no. 3.631-009.0



Hose reel mounting kit

Hose reel mounting kit

Order no. 2.637-998.0



Hose reel, automatic

ABS wall fastening stainless steel

Order no. 2.641-867.0



ABS hose reel stainless steel

Order no. 2.641-866.0



Hose reel, automatic

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

Order no. 6.391-421.0



Swivel holder

Add-on kit to fasten a hose reel at the wall.

Order no. 2.639-931.0



Hose drum, automatic, 20 m, coated

Self-winding hose reel (without HP hose) KÄRCHER HD hose plug-in system

Order no. 2.639-919.0



HP detergent injector

Detergent injector for high pressure

Adds up to 5% detergent in high-pressure mode

Order no. 3.637-170.0



HP nozzle, spray angle 0°

HP nozzle, spray angle 0°

Order no. 2.884-534.0



HP nozzle, spray angle 40°

Power nozzle spray angle 40°

Order no. 2.884-523.0



Inno Foam Set

Inno Foam Set

Complete, ready-to-use 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.

Order no. 2.640-692.0



Machine-specific nozzle kit

Nozzle set, for surface cleaning (model specific)

for item 2.638-831 and 2.640-355

Order no. 2.639-187.0



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

Machine-specific nozzle kit

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)

HKF 50 spray head

2 nozzles

Order no. 6.415-444.0



Screw plug

Screw plug. For operating spray head with one nozzle

Order no. 5.411-061.0



Double handle

Cone for installing unit in bungholes.

Order no. 4.132-002.0



Double handle

Double handle, for exact control of spray head

Order no. 2.863-036.0



Nozzle kits for Inno/Easy Foam Set

Nozzle kits for Inno/Easy Set

Ideally match performance to different machine outputs for economic operation.

Order no. 2.640-688.0



Nozzle pack

Nozzle pack for wet-blasting attachment

Consisting of wet-blasting nozzle and nozzle insert, only for use with wet-blasting attachment 4762-010/-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, ID 6

Very flexible high-pressure hose for pipe cleaning (1/8" connection for nozzle)

Order no. 6.390-029.0



Pipe cleaning hose, ID 6

Very flexible high-pressure hose for pipe cleaning (1/8" connection for nozzle)

Order no. 6.390-028.0



Pivoting spray lances

Spray lance, 2040 mm, rotatable

Spray lances in various lengths, stainless steel with hand screw union.

Ergonomically shaped handle mouldings for optimum control and insulation. Can be turned 360° under pressure.

Order no. 4.760-366.0



Pivoting spray lances

1550mm Rotating spray lance

Spray lances in various lengths, stainless steel with hand screw union. Ergonomically shaped handle mouldings for optimum control and insulation. Can be turned 360° under pressure.

Order no. 4.760-365.0



Spray lance, pivoting, 600 mm

Spray lances in various lengths, stainless steel with hand screw union. Ergonomically shaped handle mouldings for optimum control and insulation. Can be turned 360° under pressure.

Order no. 4.760-364.0



Spray lance, pivotable, 1050 mm

Spray lances in various lengths, stainless steel with hand screw union. Ergonomically shaped handle mouldings for optimum control and insulation. Can be turned 360° under pressure.

Order no. 4.760-550.0



Power nozzle, spray angle 15°

Power nozzle, spray angle 15°

Fan jet nozzle for stubborn dirt

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

Order no. 2.883-398.0



Push-on washing brush

Push-on washing brush

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 chemical intake, without nozzles (order KÄRCHER Power nozzle separately)

Order no. 4.764-012.0



Rotary coupling

Rotating coupler

Order no. 4.401-091.0



Rotating joint

Reliably prevents HP hose twisting. M 22x1.5 connection with protector

Order no. 4.401-076.0



Rotary washing brush

Rotary washing 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. 4.762-288.0



Rotary washing brush

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



Screw union

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



Shut-off cock

Shut-off cock

Order no. 4.580-160.0



Spacer (incl. 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, fixed

Stainless steel with hand screw union, does not pivot In conjunction with extended trigger gun

Order no. 4.760-058.0



Spray lances

Order no. 6.394-665.0



Standard

High-pressure hose

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. 6.390-174.0



High-pressure hose

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, incl. connection pieces

Order no. 6.388-886.0



Suction filter

Suction filter

Without non-return valve, brass

Order no. 4.730-019.0



Suction filter

With non-return valve, brass

Order no. 4.730-012.0



Underbody 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

With integral pressure gauge for infinitely variable pressure control directly on lance. Nozzle connection M 24 x 1.5. Chemical feed in low pressure mode. Variable pressure lance and KÄRCHER Power nozzle.

Order no. 4.760-362.0



Variable pressure spray lance

With integral pressure gauge for infinitely variable pressure control directly on lance. Nozzle connection M 24 x 1.5. Chemical feed in low pressure mode. Variable pressure lance and KÄRCHER Power nozzle.

Order no. 4.760-230.0



Water supply hose

Water supply hose

ID 19 R 1"/R1" - up to 85 °C

Order no. 4.440-270.0



Water supply hose

ID 19 R 1"/R 3/4" - up to 85 °C - for suction mode

Order no. 4.440-207.0



Water supply hose

ID 13 R 1"/R 3/4" - up to 30 °C

Order no. 4.440-038.0



WC spray lance

WC-Spray lance

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

Order no. 4.760-073.0



Wet blasting attachment (without nozzle)

Wet-blasting attachment (without nozzles)

Adds abrasive to high-pressure jet. For removing paint, rust, scale. Mounts to spray lance in place of HP nozzle. Without abrasive flow control

Order no. 4.762-022.0



Special high-pressure cleaners

HDS 801-4 E 24 KW



Wet blasting attachment (without nozzle)

Wet blasting attachment (without nozzles)

Adds abrasive to high-pressure jet. For removing paint, rust, scale. Mounts to spray lance in place of HP nozzle. With abrasive flow control

Order no. 4.762-010.0

