

Special high-pressure cleaners

HDS 801-4 E 12 KW



Overview

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.

Order no. 1.030-131.0

Standard accessories

Trigger gun Easy Press, Trigger gun with soft grip, High-pressure hose 10m, Spray lance 1050mm, Power nozzle, Anti-twist system (AVS), Control panel with indicator lamps, Pressure switch control, Stainless steel spray lance 1050mm, 2 detergent tanks

Technical data

Quantity of current phase Ph	3
Frequency Hz	50
Voltage V	400
Water flow rate l/h	300-750
Pressure bar/MPa	30-150/3-15
Max. Temperature (feed 12°C) °C	Max. 80-Max. 35
Connected load kW	5,6

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 5 minutes (12 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 5 minutes (12 kW version). The heated spray water that is not

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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) 12 kW machine: 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

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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 80°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

Absperrhahn

Shut-off cock

Order no. 4.580-160.0



Abstandhalter (inkl. Düsenverschraubung

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



Adapter für Druckregelstrahlrohr

Adapter for variable pressure spray lance

For items 9, 10, for mounting accessories to lance, M 24/18 x 1.5
Order no. 4.762-075.0



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Boron carbide nozzle

Boron carbide nozzle

(In addition to nozzle packs. Very wear-resistant nozzle for continuous-duty operation.)

Order no. 6.415-084.0



Crane lifting kit

Crane lifting kit

Effortless handling by crane.

Order no. 2.638-900.0



Düsenverschraubung

Nozzle union

With protector for high-pressure and Power nozzles.

Order no. 5.401-210.0



Dirt Blaster, changeover

Dirt Blaster, changeover

changeover to high-pressure fan jet

Order no. 4.763-957.0



Dirt Blaster, not adjustable

Dirt Blaster, without changeover

Rotating pencil jet for maximum dirt removing power.

Order no. 4.763-253.0



Special high-pressure cleaners

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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 Trigger gun

Easy Press high-pressure gun with soft grip insert

Easy Press trigger gun, integral

Order no. 4.775-463.0



Fine mesh water filter

Fine mesh water filter

Mounted to machine inlet, 80 øm

Order no. 4.730-102.0



Fine mesh water filter

Mounts to machine inlet 150 øm

Order no. 2.638-270.0



Flächenreiniger FR 30 ME

Surface cleaner, 300 mm diameter

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.

Order no. 2.640-355.0



Special high-pressure cleaners

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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



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

with hose liner

Order no. 6.388-455.0



High pressure hoses

High-pressure hose

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

Order no. 6.390-445.0



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. 6.390-174.0



Special high-pressure cleaners

HDS 801-4 E 12 KW

High-pressure hose 20 m, DN 8, PN 200 bar

With M 22x1.5 union at both ends and anti-kink protection ID 8/155°C/315 bar
Order no. 6.390-031.0



High-pressure hose 20 m, DN 10, PN 400 bar, Longlife, extension

Longlife 400, With rotary coupling 2 x M22 x 1.5, ID 8/155°C/400 bar
Order no. 6.390-027.0



High-pressure hose 10 m, DN 10, PN 400 bar, Longlife, extension

Longlife 400, Without rotary coupling 2 x M22 x 1.5, ID 8/155°C/400 bar
Order no. 6.390-026.0



High-pressure hose

With M 22x1.5 union at both ends and anti-kink protection ID 10/155 °C/220 bar
Order no. 6.390-023.0



High-pressure hose, 15 m, DN 8, 315 bar, extension

With M 22x1.5 union at both ends and anti-kink protection ID 8/155 °C/315 bar
Order no. 6.390-010.0



High-pressure hose 10 m, DN 8, PN 315 bar, extension

With M 22x1.5 union at both ends and anti-kink protection ID 8/155°C/315 bar
Order no. 6.389-891.0



High-pressure hose, 20 m, DN 8, PN 180 bar, food version, extension

Food industry version with M 22x1.5 union at both ends, anti-kink protection, ID 8, with rotary coupling, for food industry, up to 230 bar
Order no. 6.389-581.0



High-pressure hose, 10 m, DN 8, extension, food version

Food industry version with M 22x1.5 union at both ends, anti-kink protection, ID 8, with rotary coupling, for food industry, up to 230 bar
Order no. 6.389-479.0



Special high-pressure cleaners

HDS 801-4 E 12 KW

High-pressure hose, 10 m, DN 8, incl. swivelling joint

Longlife 400, With rotary coupling 2 x M22 x 1.5, ID 8/155°C/400 bar
Order no. 6.388-083.0



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



Hose reel mounting kit

Hose reel mounting kit

Order no. 2.637-998.0



HP detergent injector

HP detergent injector

Adds up to 5% detergent in high-pressure mode
Order no. 3.637-170.0



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



Installationsmaterial

Rotating joint

Reliably prevents HP hose twisting. M 22x1.5 connection with protector
Order no. 4.401-076.0



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Kugeldüsenträger

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



Kupplung

Double pipe union

For connecting and extending HP hoses. 2 x M22 x 1,5 connections, brass with rubber protector

Order no. 4.403-002.0



Machine-specific nozzle kit

Machine-specific nozzle kit

detergent injector + HP nozzle + union

Order no. 4.769-047.0



Machine-specific nozzle kit

for item 2.638-821 und 2.640-355

Order no. 2.640-282.0



Nozzle set, for surface cleaning (model specific)

for item 2.638-831 and 2.640-355

Order no. 2.639-187.0



Mounting kit for 2nd detergent tank

Mounting kit for 2nd detergent tank

Mounting kit integrated in machine

Order no. 2.638-235.0



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Nozzle kit for HKF 50 spray head

HKF 50 spray head

Nozzle kit for items 3.631-039 and 3.631-009. 2nozzle
Order no. 6.415-444.0



HKF 50 spray head

Nozzle kit for items 3.631-039 and 3.631-009. 1 nozzle
Order no. 6.415-077.0



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. Double handle, for exact control of spray head.
Order no. 4.132-002.0



Double handle

Cone for installing unit in bungholes. Double handle, for exact control of spray head
Order no. 2.863-036.0



Nozzle kits for Inno/Easy 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 for wet-blasting attachment

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



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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



Pipe cleaning nozzle

Pipe cleaning nozzle

With female thread, different spraying directions for environment-friendly cleaning of blocked drains and pipes. Nozzle orifices are positioned so that nozzle pulls itself and the hose into the pipe. 1x forwards, 3x30° backwards, € 30 mm
Order no. 5.763-017.0



Pipe cleaning nozzle

With female thread, different spraying directions for environment-friendly cleaning of blocked drains and pipes. Nozzle orifices are positioned so that nozzle pulls itself and the hose into the pipe. 3 x 30 ° backwards, € 16 mm
Order no. 5.763-015.0



Pivoting spray lancer

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



Special high-pressure cleaners

HDS 801-4 E 12 KW

Spray lance, 1500 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. 4.760-365.0



Pivoting 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. 4.760-364.0



Pivoting 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. 4.760-550.0



Power nozzle 15°

Power nozzle spray angle 15°

Fan jet nozzle for stubborn dirt
Order no. 2.883-389.0



Power nozzle 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



Special high-pressure cleaners

HDS 801-4 E 12 KW

Rotary washing brush

Rotary washing brush

Driven by water jet. Gently removes fine dust and traffic film from all surfaces. Temperature resistant up to 85 °C. M 18 x 1.5. (replaceable brush element)
Order no. 4.762-288.0



Rotary washing brush

Driven by water jet. Gently removes fine dust and traffic film from all surfaces. Temperature resistant up to 85 °C. M 18 x 1.5. (replaceable brush element)
Order no. 4.762-284.0



Self-winding hose reel for wall mounting

Add-on kit wall fastening hose reel

Add- on kit to fasten a hose reel at the wall.
Order no. 2.639-931.0



Hose reel without hp-hose, automatic

Self-winding hose reel (without HP hose) Kärcher HD hose plug-in system
Order no. 2.639-919.0



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



Suction filter

Suction filter

With/without non-return valve, brass
Order no. 4.730-019.0



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Suction filter

With/without non-return valve, brass
Order no. 4.730-012.0



Unterbodenstrahlrohr

Underbody lance

Mobile. For effective and convenient cleaning of underbodies 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



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



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Verbindungsstück

Adapter

For connecting HP nozzles and accessories directly to trigger gun (with nozzle union) 1 x M22 x 1.5/ 1 x M18 x 1.5
Order no. 4.402-022.0



Water supply hose

Water supply hose

ID 19 R1"/R1" - up to 85°C
Order no. 4.440-270.0



Water supply hose

ID 19 R1"/R 3/4" - up to 85°C - for suction mode
Order no. 4.440-207.0



Water supply hose

ID13 R1"/R 3/4" - up to 30°C
Order no. 4.440-038.0



WC-Strahlrohr

WC-Spray lance

With nozzle. Specially shaped for cleaning WCs. Stainless steel.
Order no. 4.760-073.0



Wet blasting attachment

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 12 KW

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

