

Hot water middle class

HDS 695-4 M Eco

Overview

The new generation Eco Line of medium and heavy-duty machines combines innovative engineering with a maximum of user convenience, economy and a long service life, even under very demanding operating conditions.

Order no. 1.025-315.0



Standard accessories

Trigger gun
 Easy Press, High-pressure hose 10 m
 Longlife, Spray lance
 1050 mm
 , Power nozzle
 , Servo Control
 , Anti-twist system (AVS), Tanks for detergent,
 scale inhibitor and fuel can be filled from
 outside, Galvanized and powder coated chassis
 , Three piston axial pump
 with ceramic pistons, Pressure switch control

Technical data

Number of current phases Ph	3
Frequency Hz	50
Voltage V	400
Water flow rate l/h	400-800
Pressure bar /MPa	30-170/3-17
Max. temperature °C	Max. 155-Max. 80
Connected load kW	6.4
Consumption fuel oil kg/h	5.2

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Description

This medium-duty hot water high-pressure cleaner offers a high level of operator comfort and service-friendliness.

The tanks for heating oil, detergent and scale inhibitor can be filled from outside without having to open the machine cover. The machine cover is lockable. A compartment is provided for storing nozzles, tools and other small parts so that they are always at hand.

The upright boiler with integral high-performance burner ensures excellent heat exchange which is one of the prerequisites for complying with emission regulations. The boiler's special design avoids dew point corrosion.

The outstanding features of the smooth-running three-piston axial pump with its ceramic pistons are its simple construction, compactness, low operating sound and long service life.

The high-pressure pump, burner fan and heating oil pump are driven directly by the electric motor. This layout reduces overall size and guarantees high efficiency and reliability.

Features & Benefits

4-pole electric motor

Water cooled 4-pole electric motor - 1400 rpm delivers pre-heated water, high-pressure pump - fuel pump and blower driven by single shaft. Result - high efficiency and long lasting time

Chimney - outlet cover

Made of stainless-steel integrated in the unit cover. Protects the unit from sooting and high exhaust gas temperature.

Exhaust gas temperature sensor

The exhaust gas temperature sensor which is integrated in the chimney switches off the electric motor when the exhaust gas temperature exceeds 300°C.

Easy Press trigger gun

Ergonomical designed trigger gun with soft grip inlay and reduced holding and trigger force for fatigue free working in long terms

Fine-mesh water filter

Protects high-pressure components against dirt and particles for higher service life time

Low fuel cut-out

The unit shuts down automatically when the tank is empty.

Servo Control

Sensitive user friendly pressure-/water flow adjustment through the Servo Control direct on the trigger gun

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Soft damping system (SDS)
Compensates the arising vibrations in the high-pressure system.

Three-piston axial pump with ceramic pistons
Guarantees long service life

Adapter

Adapter

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



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



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



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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



Detergent injector (without nozzle)

Detergent injector (without nozzle)

Adds detergent in high and low pressure modes independent of machine.
Dosage up to 15 %
Order no. 3.637-001.0



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



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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



Fine-mesh water filter

Fine mesh water filter

Mounted to machine inlet, 80 µm

Order no. 4.730-102.0



Fine mesh water filter

Mounts to machine inlet, 150 µm

Order no. 2.638-270.0



Fine mesh water filter

Mounts to machine, suitable for suction mode, 150 µm

Order no. 2.638-255.0



Flue gas adapter

Flue gas adapter

With draught cut-off, for connection to flue pipe.

Order no. 4.656-066.0



Flue gas adapter

with draught cut-off, for connection to flue pipe.

Order no. 4.656-058.0



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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



FR 30 ME hard surface cleaner

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



Geka coupling

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, 20 m, DN 8, PN 160 bar, AVS gun connectionm,

Food industry version, AVS connection in trigger gun grey ID 8/155°C/160 bar

Order no. 6.390-705.0



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High-pressure hose, 10 m, DN 8, PN 160 bar, AVS gun connectionm,

Food industry version, AVS connection in trigger gun grey ID 8/155°C/160 bar
Order no. 6.390-704.0



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

with patented AVS connection in trigger gun (pivot-mounted)
Order no. 6.390-208.0



High-pressure hose 10 m, DN 8, AVS gun connection, longlife

with patented AVS connection in trigger gun (pivot-mounted)
Order no. 6.389-856.0



HKF 50 spray head, brass

HKF 50 spray head , brass

Reach 850 mm. Interior cleaning head for drums, barrels and tanks. For bungholes of 50 mm and more. Connects directly to high-pressure cleaner. Driven by electric motor. Operates in vertical and horizontal positions.
Order no. 3.631-039.0



Hose reel mounting kit

Hose reel mounting kit

Order no. 2.637-998.0



Hose reel, automatic

Swivel holder

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



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Hose drum, automatic, 20 m

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



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



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



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

Machine-specific nozzle kit

detergent injector + HP nozzle + union

Order no. 4.769-047.0



Mounting kit for 2nd detergent tank

Mounting kit for 2nd detergent tank

To prevent detergent getting into the drinking water cycle in case of inlet at low-pressure.

- hot water resistant up to 80 °C
- in compliance with EN 12729 Type BA
- integrated leakage protection



Mounting kit integrated in machine

Order no. 2.638-235.0

Nozzle insert with order no. 3.637-001

Nozzle insert (for position 3.637-001)

For high pressure.

Order no. 4.769-003.0



Nozzle insert (for position 3.637-001)

For low pressure.

Order no. 4.769-001.0



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



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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.
Order no. 4.132-002.0



Double handle

Spray head driven by an electric motor for the industrial container cleaning of small barrels (200 - 500 l)
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. 2.637-902.0



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Nozzle protector

Nozzle protector (rubber)

for steam nozzles 4766-023 and 4766-024.
Order no. 5.394-059.0



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. 6.390-030.0



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. Brass, for M22 x 1.5 connection directly to HP hose
Order no. 5.763-011.0



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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



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



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. 2.883-390.0



Power nozzle, spray angle 25°

Power nozzle spray angle 25°

Fan jet nozzle for large area coverage and stubborn dirt
Order no. 2.883-399.0



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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 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



Servo Control controller

Servo Press Controller

Servopress controller
Order no. 4.775-470.0



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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



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



Steam nozzle

Steam nozzle .

50° flat jet for cleaning and thawing operations in steam mode, e.g. thawing sand and gravel, de-icing formwork, dewaxing vehicles.
Order no. 4.766-023.0



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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



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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 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



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

