

Hot water super class

HDS 1195-4 S 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. 1.028-337.0



Standard accessories

Trigger gun Easy Press, Trigger gun with soft grip, High-pressure hose 10m Longlife, Spray lance 1050mm, Power nozzle, Servo Control, Galvanized and powder coated chassis, Stainless steel spray lance 1050mm

Technical data

Quantity of current phase Ph	3
Frequency Hz	50
Voltage V	400
Water flow rate l/h	600-1200
Pressure bar/MPa	180/18
Max. Temperature (feed 12°C) °C	80-Max. 155
Connected load kW	8,2
Consumption light fuel oil kg/h	8,3
Fuel tank l	25
Weight kg	155

Description

This heavy-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.

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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.

Application

For medium-sized shops in the car business
For car washes
For chassis washing
For engine washing
For the pre-wash in car washes
General cleaning tasks in the industry, municipalities and agriculture

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

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

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. Additional working safety for the user in case of burner malfunctions.

Fine-mesh water filter

With transparency housing, integrated on float-tank, Safe protection of the high-pressure components against dirt and particles in the feed water for higher service life time

Low fuel cut-out

The unit shuts down automatically when the tank is empty. No risk of residual oil igniting unintentionally

Servo Control

Sensitive user friendly pressure-/ water flow adjustment through the servopress control direct on the trigger gun

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Soft damping system (SDS)

A special high pressure hose (recognisable by the yellow colour and the SDS-labelling) between the safety device and the high-pressure pump eliminates / compensates the arising vibrations in the high-pressure system by factor 2,5

Three-piston axial pump with ceramic pistons

Guarantees long service life

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



Boron carbide nozzle

Boron carbide nozzle

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

Order no. 6.415-083.0



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Crane lifting kit

Crane lifting kit

Effortless handling by crane.

Order no. 2.638-900.0



Düsenschutz

Nozzle protector (rubber)

for steam nozzles 4766-023 and 4766-024.

Order no. 5.394-059.0



Düsenverschraubung

Nozzle union

With protector for high-pressure and Power nozzles.

Order no. 5.401-210.0



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, not adjustable

Dirt Blaster, without changeover

Rotating pencil jet for maximum dirt removing power.

Order no. 4.763-254.0



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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



Easy Press Trigger gun

Servopress Controller

Order no. 4.775-471.0



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



Fine mesh water filter

Mounts to machine, suitable for suction mode, 150 øm

Order no. 2.638-255.0



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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



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 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, 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



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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



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 20 m, DN 8, AVS gun connection

Longlife 400 with patented AVS connection in trigger gun (pivot mounted) ID 8/155°C/400 bar
Order no. 6.390-208.0



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

Longlife 400 with patented AVS connection in trigger gun (pivot mounted) ID 8/155 °C/400 bar
Order no. 6.389-856.0



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



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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



Kärcher power nozzle

Power nozzle 15°

Order no. 2.883-391.0



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



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Machine-specific nozzle kit

Machine-specific nozzle kit

detergent injector + HP nozzle + union

Order no. 4.769-048.0



Nozzle set, for surface cleaning (model specific)

for item 2.638-831 and 2.640-355

Order no. 2.639-188.0



Mounting kit for 2nd detergent tank

Mounting kit for 2nd detergent tank

Mounting kit integrated in machine

Order no. 2.638-235.0



Mounting kit for two-lance operation

Mounting kit for two-lance operation

Distributor, spray lance, trigger gun, HP hose, 25° Power nozzle.

Order no. 2.638-237.0



Nozzle insert (for position 3.637-001)

Nozzle insert (for position 3.637-001)

For low pressure.

Order no. 4.769-001.0



Nozzle kit for HKF 50 spray head

HKF 50 spray head

Nozzle kit for items 3.631-039 and 3.631-009. 1 nozzle

Order no. 6.415-447.0



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HKF 50 spray head

Nozzle kit for items 3.631-039 and 3.631-009. 2 nozzle
Order no. 6.415-446.0



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. 2.640-689.0



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. 2.637-907.0



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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. 5.763-013.0



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. Brass, for M22 x 1.5 connection directly to HP hose

Order no. 5.763-012.0



Pivoting spray lance

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



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



Hot water super class

HDS 1195-4 S Eco

Pivoting spray lancer

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



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



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. 4.762-287.0



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. 4.762-283.0



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



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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



Spritzkopf HKF 50, Messing

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



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. 4.766-024.0



Suction filter

Suction filter

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



Suction filter

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



Take-off point equipment

Power nozzle 25060

Fan jet nozzle for large area coverage and stubborn dirt.
Order no. 2.883-402.0



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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°

Vario 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. 4.763-036.0



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



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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



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



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

