Calculated hydrodynamic power.

WOMA®
Ultra-high pressure units.
The power of innovation as a source of growth. Development competence and high-performance technologies in action for progress.

Hydrodynamic power as a tool
... this classic fundamental idea of using the mechanical action of flowing water purposefully and efficiently has been the driving force of our work for almost 50 years.

Through our focused research and development, today, we have mastered systems with water pressures in excess of 58000 psi/4000 bar - which is four times the water pressure at the deepest point in the oceans.

Whether cleaning, removing material or cutting – our innovative system solutions unify precision with high power, lower fuel consumption and maximum life. Savings is our motto.

Together with our expertise in all matters related to hydrodynamic power and our commitment to quality service, which is guaranteed by a 24-hour hotline as well as by prompt spare parts delivery and rental service, we ensure high reliability of all solutions – and satisfied customers in industry.
2 WOMA®

WOMA®
Ultra-high pressure water jetting technology

4 EcoMaster® 250 M/Z/ARP
EcoMaster® 400 M/Z/ARP
EcoMaster® 550 M/Z/ARP
EcoMaster® 700 Z/ARP
EcoMaster® 1000 M/Z/ARP

8 TwinJet® 2500
TwinJet® 2800
TwinJet® 3000

12 EcoMaster® MK 3 2500
EcoMaster® MK 3 2800
EcoMaster® MK 3 3000

16 EcoPro® 2500

20 EcoCold® TwinJet 1000

WOMA®
Ultra-high pressure hot water jetting technology

24 EcoTherm® 800
EcoTherm® 600

WOMA®
High-Pressure Cage Devices

28 EcoCold® HD 25/15-4 Cage Plus
EcoCold® HD 13/35-4
EcoCold® HD 13/35-4 60Hz
EcoCold® HD 9/50-4
EcoCold® HD 9/50-4 60Hz
EcoCold® HD 13/35 Pe
EcoCold® HD 9/50 Pe

32 WOMA® Icons
33 WOMA® Group
WOMA® Ultra-high pressure water jetting technology

EcoMaster® 250 M/Z/ARP I 400 M/Z/ARP I

Overview

Highlights

optional:
Highlights

1. WOMATIC 4
2. High-tech workshop room with workbench, heating and lighting
3. Multi-user, up to 6 guns possible simultaneously
4. Safe-step, retractable staircase ladder (EXI, BG-TEST-CERT)
5. Lance compartment, up to 4.5 m
6. Soot Particle Filter
7. Hose reel
8. Auxiliary heating

All illustrations are only examples of available models and may not necessarily depict actual models.
Ideal for large volumes

With operating pressures up to 21750 psi/1500 bar and rated delivery up to 605 l/min, this series provides the ideal system for the cleaning of tanks.

The pressure-rpm regulation ensures long life simultaneously with minimised fuel consumption. The automatic status monitoring of the WOMATIC 4 always has operations under control and ensures a high degree of application safety. Since the system works without bypass water, a low-wear, minimised-cost of operation is ensured. If desired, we can supply all systems in this series either diesel-powered or electrically powered, as mobile or stationary units. The low-noise system is equipped with a safety trough so that even if damaged, operating fluids are not released into the environment.

### Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>250M</th>
<th>400M</th>
<th>550M</th>
<th>1000M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. operating pressure</td>
<td>43 500 psi/3 000 bar</td>
<td>43 500 psi/3 000 bar</td>
<td>43 500 psi/3 000 bar</td>
<td>43 500 psi/3 000 bar</td>
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<tr>
<td>Max. flow rate</td>
<td>40 l/min.*</td>
<td>70 l/min.*</td>
<td>106 l/min.*</td>
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<tr>
<td>Max. power</td>
<td>147 kW**</td>
<td>259 kW**</td>
<td>403 kW**</td>
<td>700 kW**</td>
</tr>
</tbody>
</table>

* 1 liter ≈ 0.2641 US liq. gal
** 1 kW = 1.36 PS, 1 kW = 1.341 HP

### Recommended accessories

- Safety foot-valve (optional: E–EXI, BG-TEST-CERT)
- VacuJet 3000
- TankMaster®

---

Large protective hood and mechanical safety latch to prevent accidental operation of the foot pedal.
Stand-alone systems

WOMA® designs, manufactures and installs complete high-pressure units and systems for operating pressures up to 58000 psi / 4000 bar. All the systems can be set up to run either by electric motors or IC engines. They can be supplied for stationary operation as well as mobile operation at construction sites. If required, the systems can be delivered with soundproofing.

ARP® high-pressure plunger pumps have been specially developed for sewer-cleaning vehicles as well as to pump water containing abrasive materials.

Ultra-high pressure pump 250 HP

We can also supply ARP® pumps as complete systems, e.g. as rolling containers.

Thanks to its narrow construction, the WOMA® 150 Z is ideally suited for use in tight spaces, e.g. in gangways of ships. The model is seawater-resistant and extremely light.

The powerful multi-talent that makes simultaneous tank cleaning and manual cleaning with a gun possible.

WOMA® 1000 Z

Connections for up to 12 guns or

Connections for up to 6 TankMaster®
WOMA® Ultra-high pressure water jetting technology

TwinJet® 2 x 2500 | 2 x 2800 | 2 x 3000

Overview

optional:

Recommended accessories
Wireless remote control, optional
Swivel hose connection up to 43500 psi / 3000 bar
Speedy 3000, E 02, E 03, E 05, E 09
Orbimaster®
Whirl Jet Nozzle
Eco Top Rotating Cleaner for high surface production
ECO TOP Cutter 3000-EX 1)

All illustrations are only examples of available models
and may not necessarily depict actual models.

1) max. 23 l/min. * and max. 36250 psi / 2500 bar

This list is just a sample of our comprehensive range of accessories.
Doubly flexible

The TwinJet® is a master of flexibility where cleaning or maintaining large civil engineering projects and industrial plants are concerned.

The innovative system solution is designed with two high-pressure pumps. With it, depending on your requirement, you can operate one or two guns. If you need all the water discharge of both pumps for one gun, that is also possible without any problems.

The system is controlled by the WOMATIC 4, which we have developed ourselves. It combines operational status monitoring with pressure-rpm regulation. What this means for you is less wear, higher reliability and fuel savings of up to 30%.

Depending on your specific needs, we can supply the TwinJet® either diesel-powered or electrically powered, and as a stationary or mobile unit. The system is equipped with a safety trough so that even if damaged, operating fluids are not released into the environment.

### Technical Data

<table>
<thead>
<tr>
<th></th>
<th>TwinJet® 690.2300</th>
<th>TwinJet® 690.2300</th>
<th>TwinJet® 690.2301</th>
<th>TwinJet® 690.2301</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. operating pressure</td>
<td>2x36250 psi/2x2500 bar</td>
<td>2x36250 psi/2x2500 bar</td>
<td>2x40600 psi/2x2800 bar</td>
<td>2x43500 psi/2x3000 bar</td>
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<tr>
<td>Max. flow rate</td>
<td>2x20 l/min.*</td>
<td>2x20 l/min.*</td>
<td>2x26 l/min.*</td>
<td>2x18 l/min.*</td>
</tr>
<tr>
<td>High-pressure pump</td>
<td>WOMA® 185 M P 16</td>
<td>WOMA® 250 M P 16</td>
<td>WOMA® 250 M P 16</td>
<td>WOMA® 250 M P 15</td>
</tr>
<tr>
<td>Power</td>
<td>295 kW** / Volvo Diesel</td>
<td>313 kW** / Volvo Diesel</td>
<td>313 kW** / Volvo Diesel</td>
<td>395 kW** / Volvo Diesel</td>
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<tr>
<td>Fuel tank</td>
<td>500 l Diesel</td>
<td>500 l Diesel</td>
<td>560 l Diesel</td>
<td>560 l Diesel</td>
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<tr>
<td>Water tank</td>
<td>80 l</td>
<td>80 l</td>
<td>80 l</td>
<td>80 l</td>
</tr>
<tr>
<td>Noise level</td>
<td>≤ 85 dB(A)</td>
<td>≤ 85 dB(A)</td>
<td>≤ 85 dB(A)</td>
<td>≤ 85 dB(A)</td>
</tr>
<tr>
<td>H.P. connection</td>
<td>9/16-18 UNF LH</td>
<td>9/16-18 UNF LH</td>
<td>9/16-18 UNF LH</td>
<td>9/16-18 UNF LH</td>
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<tr>
<td>Empty weight stationary</td>
<td>4000 kg / 5100 kg</td>
<td>4000 kg / 5100 kg</td>
<td>4300 kg / 5400 kg</td>
<td>4000 kg / 5100 kg</td>
</tr>
<tr>
<td>mobile</td>
<td>3800 x 1600 x 1900 mm</td>
<td>3800 x 1600 x 1900 mm</td>
<td>4000 x 1600 x 1900 mm</td>
<td>3800 x 1600 x 1900 mm</td>
</tr>
<tr>
<td>mobile</td>
<td>5800 x 2300 x 2600 mm</td>
<td>5800 x 2300 x 2600 mm</td>
<td>5800 x 2300 x 2600 mm</td>
<td>5800 x 2300 x 2600 mm</td>
</tr>
</tbody>
</table>

1 E-EXI-design also available as option.
2 IVECO engine also available as options.
3 Towing bar also available as option.
4 * 1 liter ≈ 0.2641 US.liq.gal
5 ** 1 kW ≈ 1.36 PS, 1kW ≈ 1.341 HP

### Standard accessories

- 2 x high-pressure guns, lance, nozzle connection and nozzle
- 2 x high-pressure hoses 20 m
- 2 x cable reel with 30 m electric cable

### Applications
Independent operation of two work areas by means of the two-gun system – giving 100% more output

Option of doubling the water volume for a gun

High system safety with the operational status monitoring system **WOMATIC 4**

Long life and operating cost minimisation thanks to pressure-rpm regulation and pressure-less circulation

Highest environmental standard in the form of the safety trough

Flexibility due to stationary or mobile models and the option of IC engines or electric motors

Low-noise operation provided by soundproofing hood made of aluminium (≤ 85 dB(A) in 7 m)

Minimised weight due to the use of special materials
WOMA® Ultra-high pressure water jetting technology
EcoMaster® MK 3  2500 | 2800 | 3000

Overview

optional:

Recommended accessories
Recommended accessories

1. Swivel hose connection up to 43,500 psi / 3000 bar
2. Speedy 3000, E 02, E 03, E 05, E 09
3. VacuJet 3000
4. Eco Top Rotating Cleaner for high surface production
5. ECO TOP Cutter 3000-EX
6. Wireless remote control, optional
7. Foot switch, Remote control box: optional E–EXI

All illustrations are only examples of available models and may not necessarily depict actual models.

This list is just a sample of our comprehensive range of accessories.
The Grandmaster

The MK 3 is the Grandmaster of cleaning and maintenance of large civil projects and industrial plants. Its operating pressure can be increased from 36250 to 43500 psi / 2500 to 3000 bar, a competitive advantage that is unparalleled in its class.

This system solution also unifies all the WOMA strengths. These include, for example:

- The easy-to-understand WOMATIC 4 controller, which ensures a high degree of operational safety through operational status monitoring.
- The pressure-rpm regulation, which makes a reduction in fuel consumption by 30% possible.
- The pressure-less circulation, which allows lower wear – and hence a longer life.

Depending on your individual requirements, we can supply the MK 3 either diesel-powered or electrically powered, and as a stationary or a mobile unit. The system is equipped with a safety trough so that even if damaged, operating fluids are not released into the environment.

### Technical Data

<table>
<thead>
<tr>
<th></th>
<th>EcoMaster® 1) MK 3 690.2405</th>
<th>EcoMaster® 2) MK 3 690.2104</th>
<th>EcoMaster® 3) MK 3 690.2104</th>
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<tr>
<td>Max. operating pressure</td>
<td>36250-40600 psi / 2500-2800 bar</td>
<td>36250 psi / 2500 bar</td>
<td>43500 psi / 3000 bar</td>
</tr>
<tr>
<td>Max. flow rate</td>
<td>20 l/min.*</td>
<td>26 l/min.*</td>
<td>18 l/min.*</td>
</tr>
<tr>
<td>High-pressure pump</td>
<td>WOMA® 150/185 M P 16</td>
<td>WOMA® 250 M P 18</td>
<td>WOMA® 250 M P 15</td>
</tr>
<tr>
<td>Power</td>
<td>130 kW** / Iveco Diesel</td>
<td>130 kW** / Iveco Diesel</td>
<td>130 kW** / Iveco Diesel</td>
</tr>
<tr>
<td>Fuel tank</td>
<td>200 l* Diesel</td>
<td>200 l* Diesel</td>
<td>200 l* Diesel</td>
</tr>
<tr>
<td>Water tank</td>
<td>40 l*</td>
<td>40 l*</td>
<td>40 l*</td>
</tr>
<tr>
<td>Noise level</td>
<td>≤ 85 dB(A)</td>
<td>≤ 85 dB(A)</td>
<td>≤ 85 dB(A)</td>
</tr>
<tr>
<td>H.P. connection</td>
<td>9/16-18 UNF LH</td>
<td>9/16-18 UNF LH</td>
<td>9/16-18 UNF LH</td>
</tr>
<tr>
<td>Empty weight</td>
<td>2310 kg</td>
<td>2310 kg</td>
<td>2310 kg</td>
</tr>
<tr>
<td>Dimensions 4) 5) (L x W x H)</td>
<td>4100 x 1930 x 2000 mm</td>
<td>4100 x 1930 x 2000 mm</td>
<td>4100 x 1930 x 2000 mm</td>
</tr>
</tbody>
</table>

1) E-EXI design also available as option.
2) DEUTZ engine also available as option.
3) Adjustable height towing bar also available as option.
4) Stationary or mobile.
5) Adjusted by towing bar.
6) 1 US. fl. gal = 0.2641 US. liq. gal

### Standard accessories

- 1 x high-pressure gun, lance, nozzle connection and nozzle
- 1 x high-pressure hose 20 m
- 1 x cable reel with 30 m electric cable and plug

Applications
Highlights

- High system safety with the operational status monitoring system WOMATIC 4
- Long life and operating cost minimisation thanks to the pressure-rpm regulation, the pressure-less circulation and patented valve design
- Option for increasing the operating pressure from 36250 to 43500 psi / 2500 to 3000 bar
- Highest environmental standard in the form of the safety trough
- Flexibility due to stationary or mobile models and the option of IC engines or electric motors
- Low-noise operation provided by soundproofing hood made of aluminium (≤ 85 dB(A) in 7 m)
- HP pump compliant with the ATEX standard
- EG Machinery Directive 2006/42/EG
WOMA® Ultra-high pressure water jetting technology

EcoPro® 2500
Recommended accessories

1. Wireless remote control
2. Swivel hose connection up to 43,500 psi / 3000 bar
3. Speedy 3000, E02, E03, E05, E09
4. VacuJet 3000
5. Eco Top Rotating Cleaner for high surface production
6. WOMA® Speed Control® 3000
7. Foot switch, Remote control box: optional E–EXI

All illustrations are only examples of available models and may not necessarily depict actual models.

This list is just a sample of our comprehensive range of accessories.
Unique in its class

The EcoPro® 2500 is unique in its class and is used for all kinds of work in large civil projects and industrial plants.

EcoPro® 2500 is distinguished by its weight-optimised and space-optimised construction, thanks to which it can be towed by a broad range of vehicles. The very short set-up times allow particularly fast and flexible deployment at the site.

The innovative controller WOMATIC 4 ensures safe operation through its automatic operational status monitoring. In addition, pressure-rpm regulation and a patented valve design ensure less wear, a reduction of up to 30 % in fuel consumption and long life of the system.

The 5-chamber tank system including the safety trough has proven itself in practice preventing operational fluids from being released into the environment even after damage.

Technical Data

<table>
<thead>
<tr>
<th>EcoPro® 2500</th>
<th>691.0632</th>
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<tbody>
<tr>
<td>Max. operating pressure</td>
<td>6250 psi / 2500 bar</td>
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<tr>
<td>Max. flow rate</td>
<td>11.2 l/min.</td>
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<tr>
<td>High-pressure pump</td>
<td>WOMA® 70 MP 12</td>
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<tr>
<td>Power</td>
<td>70 kW / 70 M P 12</td>
</tr>
<tr>
<td>Fuel tank</td>
<td>200 l Diesel</td>
</tr>
<tr>
<td>Water tank</td>
<td>200 l</td>
</tr>
<tr>
<td>Antifreeze tank</td>
<td>25 l</td>
</tr>
<tr>
<td>Sound power level</td>
<td>≤ 111 dB(A)</td>
</tr>
<tr>
<td>H.P. connection</td>
<td>9/16-18 UNF LH</td>
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<tr>
<td>Empty weight</td>
<td>1 460 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>4 100 x 1 940 x 2 000 mm</td>
</tr>
</tbody>
</table>

1) E-EXI-design also available as option.
2) DEUTZ engine also available as option.
3) Adjustable-height towing bar also available as option.
4) Stationary or mobile.

Technical Data

1 liter ≙ 0.2641 US liq gal
1 kW ≙ 1.36 PS, 1 kW ≙ 1.341 HP

Standard accessories

- 1 x high-pressure gun, lance, nozzle connection and nozzle
- 1 x high-pressure hose 20 m
- 1 x cable reel with 30 m electric cable and plug

Applications
High system safety with the operational status monitoring system **WOMATIC 4**

- Long life and operating cost minimisation thanks to the pressure-rpm regulation and the pressure-less circulation
- High environmental standard in the form of the tank-in-tank system including a safety trough
- Flexibility due to stationary or mobile models
- Antifreeze tank
- Fuel consumption that is up to 30% lower
- Low-noise operation provided by soundproofing hood made of GRP* (Sound power level $L_{WA} + \text{Uncertainty } K_{WA} \leq 111 \text{ dB(A)}$)
- Unlimited possibilities for use with internally or externally driven water-power tools
- Pump compliant with the ATEX standard
- EG Machinery Directive 2006/42/EG

* glass fibre reinforced plastic
WOMA® Ultra-high pressure water jetting technology

EcoCold® TwinJet 1000

Overview

Recommended accessories

optional:
Recommended accessories

1. Wireless remote control
2. Swivel hose connection up to 43,500 psi / 3000 bar
3. Water/abrasive-sandblasting system
4. Eco Top Rotating Cleaner for high surface production
5. Whirl Jet Nozzle
6. WOMA® Speed Control® 3000
7. Foot switch, Remote control box: optional E–EXI

All illustrations are only examples of available models and may not necessarily depict actual models.

This list is just a sample of our comprehensive range of accessories.
Completely thorough

This innovative system solution, with an operating pressure up to 14500 psi / 1000 bar, covers a gap in the market for cold water systems.

Based on the proven TwinJet principle, two high-pressure pumps work independently of one another to ensure that one or two guns can be optionally utilized. In addition, by connecting both the systems together, it is possible to supply one gun with twice the water quantity. This means an increase in the power output by 100%.

The EcoCold® TwinJet 1000 has a very compact design. As a result, it can be set up quickly and flexibly at the site and can be transported with a large number of possible towing vehicles.

Other advantages:
- Operational safety through automatic operational status monitoring system WOMATIC 4.
- Minimised wear, fuel consumption reduced by 30 % and long life through pressure-rpm regulation as well as patented valve design.
- Integrated environment protection with a 5-chamber tank system including safety trough, which prevents operating fluids from being released.

Technical Data

<table>
<thead>
<tr>
<th>EcoCold® 1 TwinJet 1000 690.6072</th>
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<tbody>
<tr>
<td>Max. operating pressure</td>
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<tr>
<td>Max. flow rate</td>
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<tr>
<td>High-pressure pump</td>
</tr>
<tr>
<td>Power</td>
</tr>
<tr>
<td>Fuel tank</td>
</tr>
<tr>
<td>Water tank</td>
</tr>
<tr>
<td>Antifreeze tank</td>
</tr>
<tr>
<td>Sound power level</td>
</tr>
<tr>
<td>H.P. connection</td>
</tr>
<tr>
<td>Empty weight</td>
</tr>
<tr>
<td>Dimensions</td>
</tr>
</tbody>
</table>

1) E-EXI-design also available as option.
2) Adjustable-height towing bar also available as option.
3) Stationary or mobile.
4) 1 liter = 0.2641 US liq. gal
5) 1 kW = 1.36 PS, 1 kW = 1.341 HP

Standard accessories
- 1 x high-pressure gun, lance, nozzle connection and nozzle
- 1 x high-pressure hose 20 m
- 1 x cable reel with 30 m electric cable and plug, adapter for dual pump combination

Applications
Highlights

- Option of doubling the water quantity for a HP gun, and as a result, increasing the power output by 100%
- Easy transport due to the weight and space-optimizing design
- High system safety with the operational status monitoring system **WOMATIC 4**
- Fuel consumption that is up to 30 % lower
- Long life and operating cost minimisation thanks to the pressure-rpm regulation and the patented valve design
- The most powerful in its class
- Antifreeze tank
- Pump compliant with the ATEX standard
- EG Machinery Directive 2006/42/EG
WOMA® Ultra-high pressure hot water jetting technology

EcoTherm® 600 | 800

Overview

optional:

Recommended accessories
Recommended accessories

1. Wireless remote control
2. Swivel hose connection up to 43500 psi / 3000 bar
3. FloorMaster®
4. WOMA® Speed Control® 3000
5. Whirl Jet Nozzle
6. Orbimaster®
7. Foot switch, Remote control box: optional E–EXI

All illustrations are only examples of available models and may not necessarily depict actual models.

This list is just a sample of our comprehensive range of accessories.
A unique price-performance ratio

With the systems EcoTherm® 600 and EcoTherm® 800, we offer a rating class that is unique in the hot water domain.

The EcoTherm® 600 stands out for a price level that is normally characteristic of devices with a far lower output rating. An unbeatable price-performance ratio, which, at a higher level, also holds true for the EcoTherm® 800.

The weight-optimised and space-optimised design of the systems makes fast and flexible deployment at the site possible. In addition, they can be towed by almost any medium-sized car.

The pressure-rpm regulator, intake valve lifting and operational status monitoring controlled by the WOMATIC 4, guarantee less wear, a fuel consumption reduction of 30 %, long life and operational safety. A 5-chamber tank system reliably prevents operating fluids like fuel, heating oil or softeners from being released into the environment.

Technical Data

<table>
<thead>
<tr>
<th></th>
<th>EcoTherm® 600 690.6070</th>
<th>EcoTherm® 800 690.6071</th>
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</thead>
<tbody>
<tr>
<td>Max. operating pressure</td>
<td>1450-8700 psi/100-600 bar</td>
<td>1450-11600 psi/100-800 bar</td>
</tr>
<tr>
<td>Max. flow rate</td>
<td>28 l/min.*</td>
<td>21 l/min.*</td>
</tr>
<tr>
<td>High-pressure pump</td>
<td>WOMA® 70 Y P 18</td>
<td>WOMA® 70 Y P 16</td>
</tr>
<tr>
<td>Power</td>
<td>38 kW** / Diesel</td>
<td>38 kW** / Diesel</td>
</tr>
<tr>
<td>Water temperature</td>
<td>max. 98° C</td>
<td>max. 98° C</td>
</tr>
<tr>
<td>Heating capacity</td>
<td>132 kW**</td>
<td>132 kW**</td>
</tr>
<tr>
<td>Fuel tank</td>
<td>100 l* Diesel</td>
<td>100 l* Diesel</td>
</tr>
<tr>
<td>Water tank</td>
<td>200 l*</td>
<td>200 l*</td>
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<tr>
<td>Heating oil tank</td>
<td>100 l*</td>
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</tr>
<tr>
<td>Antifreeze tank</td>
<td>25 l*</td>
<td>25 l*</td>
</tr>
<tr>
<td>Softener</td>
<td>10 l*</td>
<td>10 l*</td>
</tr>
<tr>
<td>Sound power level</td>
<td>≤ 109 dB(A)</td>
<td>≤ 109 dB(A)</td>
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<tr>
<td>H.P. connection</td>
<td>M24 x 1.5</td>
<td>M24 x 1.5</td>
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<tr>
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<td>1300 kg</td>
</tr>
<tr>
<td>Dimensions (L x W x H)</td>
<td>4100 x 1940 x 2000 mm</td>
<td>4100 x 1940 x 2000 mm</td>
</tr>
</tbody>
</table>

1 E-EXI-design also available as option.
2 Adjustable-height towing bar also available as option.
3 Stationary or mobile.
* 1 liter = 0.2641 US liq. gal  ** 1kW = 1.36 PS, 1kW = 1.341 HP

Standard accessories

- 1 x high-pressure gun, lance, nozzle connection and nozzle
- 1 x high-pressure hose 20 m
- 1 x cable reel with 30 m electric cable

Application
Highlights

- High system safety with the operational status monitoring system WOMATIC 4
- Long life thanks to the pressure-rpm regulation and patented valve design
- Best price-performance ratio, 20 % more output
- Up to 30 % fuel saving
- No bypass water
- High environmental standard thanks to 5-chamber tank system including safety trough
- Antifreeze tank
- Pump compliant with the ATEX standard
- EG Machinery Directive 2006/42/EG
- 2-channel control in 12/24V as well as EXI-controller
WOMA® High-Pressure Cage Devices

EcoCold® HD 25/15-4 Cage Plus I HD 13/35

Overview

Applications
Recommended accessories

1. Water/abrasive-sandblasting system
2. High-pressure hose
3. Hotbox 350, 500 is the ideal complement for cold water units from WOMA®. Simply connect it to the cleaning device – the high-quality burner ensures the required water temperature – up to 98°C.  

All illustrations are only examples of available models and may not necessarily depict actual models.

This list is just a sample of our comprehensive range of accessories.

Technical Data

<table>
<thead>
<tr>
<th></th>
<th>Hotbox 350</th>
<th>Hotbox 500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. operating pressure</td>
<td>5075 psi/350 bar</td>
<td>7250 psi/500 bar</td>
</tr>
<tr>
<td>Max. flow rate</td>
<td>11-28 l/min.*</td>
<td>11-28 l/min.*</td>
</tr>
<tr>
<td>Heating capacity</td>
<td>90 kW**</td>
<td>90 kW**</td>
</tr>
<tr>
<td>Empty weight</td>
<td>65 kg</td>
<td>65 kg</td>
</tr>
<tr>
<td>Water temperature</td>
<td>98°C</td>
<td>98°C</td>
</tr>
</tbody>
</table>
Flexible specialists

The handy, electrically operated EcoCold®-devices HD 25/15-4 Cage Plus, HD 13/35-4 and HD 9/50-4 represents a wide range of performance for industrial use. The EcoCold®-devices HD 13/35 Pe and HD 9/50 Pe is operated with petrol. This makes them just flexible cleaning professionals especially on the construction sites.

The units have various operating pressures. You can therefore always find an application that is tailored to your specific requirements. In addition, all the units stand out for their very low-noise operation. A constant pressure and low recoil forces at the high-pressure gun provide a high safety standard and ensure fatigue-free operation.

The ideal add-on

Die Hotbox 350/500 is the ideal component for our EcoCold®-Devices. Simply connect it to the cleaning equipment – the high-value mobile burner ensures the required water temperature. The maintenance-friendly compact units distinguish themselves by a high safety standard and are ideal for use when cleaning facades, buildings, industrial floors and lots more.

Adding a Hotbox 350 / 500 will turn your EcoCold®-Series unit into a full Hot-Water-System – up to 98°C.²

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¹ Without 5-chamber tank system.
² Depends on the inlet water temperature.
* 1 liter = 0.2641 US.liq.gal
** 1 kW = 1.36 PS, 1kW = 1.341 HP
Highlights

- Especially stable due to robust cage-design
- Flexibility through compact design
- Can be supplied with electric motors as well as IC engines
- Speed regulation
- Pre-pressure monitoring (optional)
- Safety against water shortage (optional)
- Integrated pipe holder
- Accessories and tools are stored in a protected mode
- Self-priming
- Simple handling with the trolley principle
- Water filter
Low consumption ensures high environmental safety.

Due to the uniquely high overall efficiency, our high-pressure pumps reduce energy consumption to a minimum.

Especially light weight due to use of special materials.

Noise-insulating technologies ensure low-noise operation.

Maximum power rating (see icon).

Maximum operating pressure (see icon).

High system safety through the intelligent WOMATIC 4 controller.

Low fuel consumption through innovative pressure-rpm regulation.

Fitted with 2 high-pressure systems (TwinJet® technology).

optional:

Available in explosion-proof design.

Available with wireless control.

Available with diesel drive.

Available with petrol drive.

Available with electrical drive.
For things to go like clockwork for you, we offer, world-wide

☐ a reliable 24-hour service covering consultancy, maintenance work and repairs.

☐ a spare-parts service – from consulting to prompt delivery.

☐ a rental service – for fast, short-term requirements related to additional high-pressure technology.

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