

Dynajet UHP 170 and UHP 250 – technical data

Technical data UHP 170	2800	2000	1600	1200
Delivery rate	8.3 - 18 l/ min	10.5 - 23,5 l/ min	14 - 26 l/ min	18.5 - 40.5 l/ min
Working pressure (max.)	2,800 bar	2,000 bar	1,600 bar	1,200 bar
Engine	Deutz 4 cyl. diesel (BF4M 1013 FC) with 170 hp at 2,400 rpm			
Weight	1,750 kg			
L x W x H	250 cm x 140 cm x 168 cm			
Weight	1,900 kg			
L x W x H	250 cm x 140 cm x 168 cm			
Weight	2,100 kg			
L x W x H	382 cm x 188 cm x 216 cm			

Technical data UHP 250	2800	2000	1600	1200
Delivery rate	14 - 28 l/ min	20 - 40 l/ min	25 - 50 l/ min	31.5 - 63 l/ min
Working pressure (max.)	2,800 bar	2,000 bar	1,600 bar	1,200 bar
Engine	Deutz 6 cyl. diesel (TCD 2013) with 250 hp at 2,200 rpm			
Weight	3,400 kg			
L x W x H	325 cm x 118 cm x 215 cm			
Weight	3,600 kg			
L x W x H	370 cm x 150 cm x 222 cm			

A selection of UHP accessories



Putzmeister Mörtelmaschinen GmbH

Since 1958, Putzmeister has been a manufacturer and worldwide supplier of mortar machines, plaster spray and paint pumps, concrete pumps, tunneling machines, industrial pumps, heavy-duty robotics for cleaning systems and installations and high-pressure cleaning systems for professional use.

This powerful bond offers sales partners all over the world the ideal conditions with regard to



competency, investment security and optimum service in all sectors.



You will find further accessories in our Dynajet catalogue. Order your copy free-of-charge..

Dynajet ultra-high-pressure units UHP series



The UHP series, with pressure ratings up to 2,800 bar, is the top of the Dynajet ultra-high-pressure units. Dynajet high-performance units are intended for the most difficult and demanding jobs.

They are ideally suited for building refurbishing, paint stripping, rust removal, surface removal and heat exchanger cleaning. Even the most difficult deposits and coatings are quickly removed.



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The Dynajet UHP series – everywhere where performance and time are off essence



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Are you already using high-pressure units? Do you use your own equipment? Do you rent, or do you work with specialist companies?

Many questions to which there is only one answer: the Dynajet ultra-high-pressure units from Putzmeister. These are powerful and robust units with up to 2,800 bar water pressure, up to 63 l/min output and up to 250 hp diesel engines.

Due to the high removal and cleaning power, these units pay for themselves after a very short of time. Ideal for specialised service providers, but also for construction companies, renovators and for industry.

The extremely variable units are just ideally suited for applications in industry and construction. Everywhere where that maximum demands are made on manpower and equipment. Whether as a 1-man unit or for multiple users ... everything is possible.

Building refurbishing, paint stripping, corrosion protection, surface removal or heat exchanger cleaning. With the Dynajet UHP series, even the most difficult deposits and coatings are quickly removed.

Construction trade

- Facade removal
- Facade renovation
- Roughening of concrete surfaces
- Concrete removal
- Concrete renovation
- SA 2½ surface preparation
- Exposure of reinforcing steel and reinforcements
- Floor and surface cleaning

Industry

- Component cleaning
- Heat exchanger cleaning
- Paint removal
- Rust removal
- Cleaning tanks, sieves, filters
- Removal of resins, carbonisation, pulp, scale



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The Dynajet UHP 170 series – the mobile ultra-high-pressure trailer up to 2,800 bar and 40.5 l/min

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① **2-hood Targa principle**
with operating and engine side

② **Slow-running triplex plunger pump**
with integrated oil radiator prevents overheating and extends service life

③ **Unloading, safety and bypass valve**
for smooth switching and as a safety device. Compressed-air-controlled with locking function in rotary operation

④ **Intake and pressure port accessible**
from outside

⑤ **Noise insulation**
reduces the noise level and acoustic power

⑥ **Powerful Deutz diesel engine**
with 170 PS

⑦ **Optimum air flow**
for cooling the engine and high-pressure pump

⑧ **Simple control system**
makes for exceptionally easy operation

⑨ **Large water and fuel tanks**
for long periods of use

⑩ **Microfilter with automatic venting**
to protect the high-pressure pump

⑪ **Priming pump**

Versatile use, simple and safe operation, and low machine costs. These points are the decisive criteria for the economical and efficient function of a modern high-pressure unit.

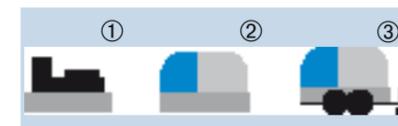
And this is precisely where the newly developed maximum-pressure units of the Dynajet UHP-170 Class set the standards.

■ The high-performance pump

At the heart of each Dynajet unit is the extremely robust high-pressure pump with integrated reduction gear. It is linked via a flexible coupling to the 170 hp diesel engine. This not only reduces the size of the unit, but also the vibration and the noise level.

The high-pressure pump is designed with minimum volume. It therefore has maximum efficiency, saves fuel and reduces the current operating costs.

■ The versions



The Dynajet UHP 170 is available in 3 versions:

1. Stationary without hood
2. Stationary with hood
3. Mobile with hood

Depending on your requirements, 4 addition versions are available.

- 2,800 bar at 18 l/min
- 2,000 bar at 23.5 l/min
- 1,600 bar at 26 l/min
- 1,200 bar at 40.5 l/min

■ The TARGA concept

The UHP 170 units use the TARGA design, which is typical for Dynajet units. The engine and pump are located under 2 light, sound-insulated hoods. The control unit is accommodated between them in the so-called TARGA cover. Both hoods will open extremely wide. You can therefore access the important components from all sides without problem. This is ideal for service and maintenance.

A 200 l fuel tank is integrated into the base frame. This means that there is enough on board for a day's work, even during intensive use.

The integrated water tank serves as a buffer to calm the supply water, thus avoiding damaging cavitation.

By means of optional lifting eyes, the UHP 170 unit can also be raised by crane.

A control device ensures that, in the case of an overload, caused by the wrong nozzle choice for instance, there is only a slight rise in pressure and load on the system.

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With the operating and service covers, which can be opened very wide, you can reach all the important parts with no problem.

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The horizontal design of the robust triplex-plunger high-pressure pump saves space and quaranties, easy service and maintenance work.

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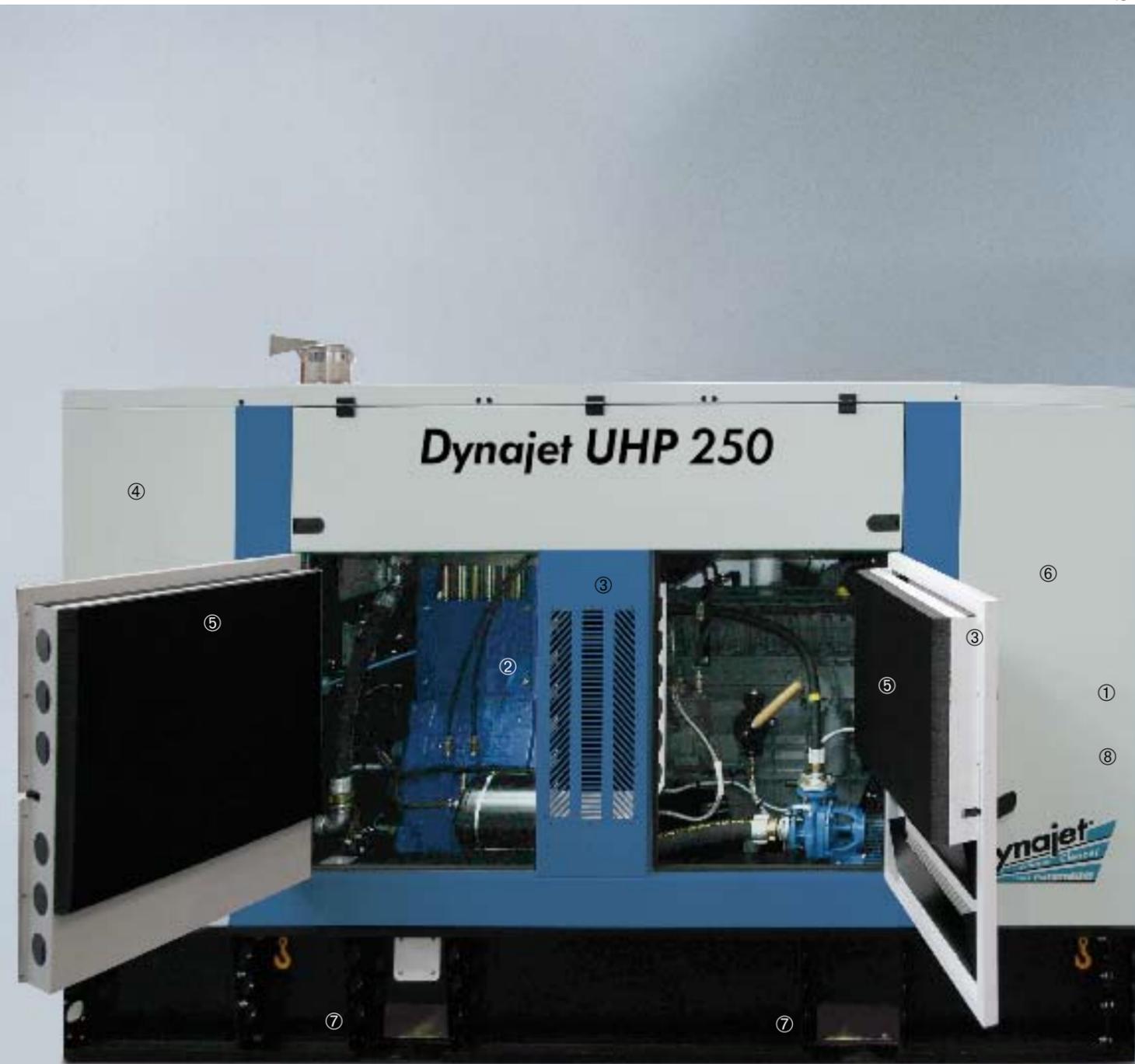


Easy control system with convenient automatic pressure/speed control (manual operation is optional).

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The Dynajet UHP 250 series – the stationary ultra-high-pressure units up to 2,800 bar at 250 hp

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① All connections for large or multiple consumers with user-friendly access from outside

② Vertical high-pressure pump

③ Ideal air supply and sound insulation

④ Ideal power to weight ratio with only 3.4 t at max. 250 hp

⑤ Wide-opening service and operating covers for optimum access

⑥ Compact design for set-up and installation

⑦ Installation frame with fork-lift arm recesses

⑧ Simple control system accessible from the outside

These stationary Dynajet ultra-high-pressure units complete the range at the top end. They are characterised by maximum flexibility.

■ The compact dimensions

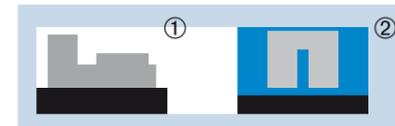
The compact construction of the Dynajet UHP 250 makes use even in restricted spaces, such as in tunnels. For mobile use, the unit can be transported just as easily on a railway wagon or a suitable flat bed trailer.

■ The high-performance pump

Also at the UHP 250 units, the pump is connected to the diesel engine via a flexible coupling. This reduces the noise level, vibrations and in addition extends the service life.

■ The versions

The Dynajet UHP 250 can come with or without a noise absorption cover. The hood has large fully-openable



doors on all sides, so that operations and maintenance can be carried out without any restrictions. In addition, the hood itself is of a modular construction, so even individual parts of it can be removed or replaced.

Furthermore, you can choose between 4 different versions:

- 2,800 bar at 28 l/ min
- 2,000 bar at 40 l/ min
- 1,600 bar at 50 l/ min
- 1,200 bar at 63 l/ min

By means of special exchange sets (optional), you can change the output data fast and easily. This allows you,

for instance, easily to make a unit from your 1,600 bar, 50 l/ min Dynajet UHP 250 that can achieve 2,800 bar at 28 l/ min.

■ The Dynajet control system

The Dynajet control system ensures that the unit conforms to the respective conditions of use. All control and monitoring functions are accessed using the menu-based user interface with labels in plain language – various languages are available.

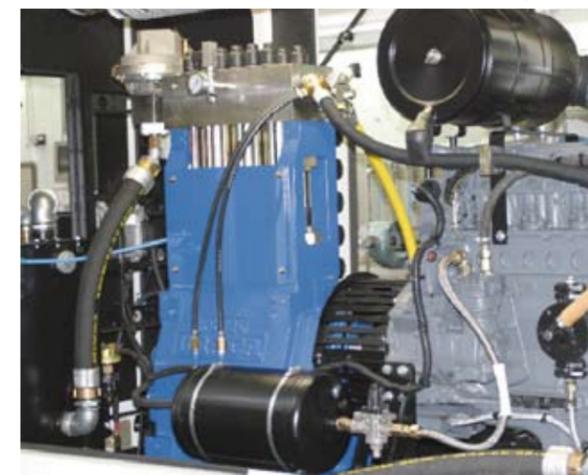
Units of the 250 hp class are very flexible when it comes to their different uses. They can supply either one bulk consumer or two (or more) work-places at the same time – all without a hitch.

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The installation version of the maximum-pressure unit Dynajet UHP 250 (without soundproofing cover is mounted on a support frame).

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The high-pressure pump is installed in an upright position, thus saving considerable space.

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With such output, even 2 (or more) workplaces can be provided with sufficient power.

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