# ABOUT **US**

## Häny's reputation speaks for itself

There are many different applications for pump technology in tunnelling. Regardless of whether it is clean, dirty or sewage water, surface drainage, cooling water systems, water supply, fire extinguishing systems or even mortar and 2 component injections in tunnelling.

## Our service

Our sales representatives are always close at hand and are able to react quickly to your needs. Another innovation in this area is our SPS (Spare Part Shop) Service. This involves an individually agreed consignment stock for the most important spare parts (see our SPS Service for tunnel construction sites).

## Comprehensive programme

Häny offers a comprehensive range of units for almost every pump application:

- Sewage and sludge pumps
- Clean and drinking water pumps
- Pressure boosting systems
- Pumps and systems for the cooling water supply
- Pumps for conventional tunnelling
- Dirty water and drainage pumps
- Mixers, agitators and injection pumps for concrete, cement and other materials

## Our experience - your benefits

Thanks to many years of experience in the management of large construction sites, including tunnel construction, we know the different applications well and understand the problems that occur in the operator's everyday work.

# OUR **RENTAL STOCK**

## Large selection

In addition to our WATERFLEX 10 water supply container, there are many types of pump available in our stock of pumps for rental. The machinery we hold in stock is available for you to use, quickly and easily. Special conditions can be agreed for long-term rentals as well as interesting hire-purchase offers for the plant.

## Types of pump in our rental stock

- Submersible pumps for construction
- Sludge pumps
- Sewage pumps
- Dirty water and drainage pumps
- Mobile pumping systems (diesel pumps)
- Compact injection systems
- Data recorders
- Water supply containers
- Hoses
- Controls

# WATERFLEX 10

Water supply container

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Häny Austria GmbH - pumps, turbines and systems • Packerstraße 133a • AT-8561 Söding - St. Johann
Phone +43 (0) 3137/46 450 • office@haeny.com • www.haeny.at


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pumps, turbines and systems

# WATERFLEX 10

Various water supply activities on construction sites can be covered using the WATERFLEX 10 pump container. It is designed for temporary water supplies and pressure boosting applications on construction sites.

Essentially, the WATERFLEX 10 consists of a versatile pressure booster pumping station together with a 10 m³ storage tank. Its compact design, installed in a 20' container gives maximum flexibility. The fully automatic water supply together with the pressure regulation of the pumps with frequency converters mean that it is quick, simple and versatile in use without having to take any additional measures for water supply.

WATERFLEX 10 is available for rental or hire purchase or can be purchased directly. Numerous additional options are available, creating a product that is tailored to customer requirements.


## ① Water tank 10 m³

The water tank has a capacity of 10,000 litres (control volume approx. 7 m³) acting as a pump reservoir. The container is made of corrosion-resistant HDPE that is suitable for drinking water. There is a lockable opening for maintenance and inspection on top of the tank. An overflow line is provided as standard, to prevent overfilling the container.

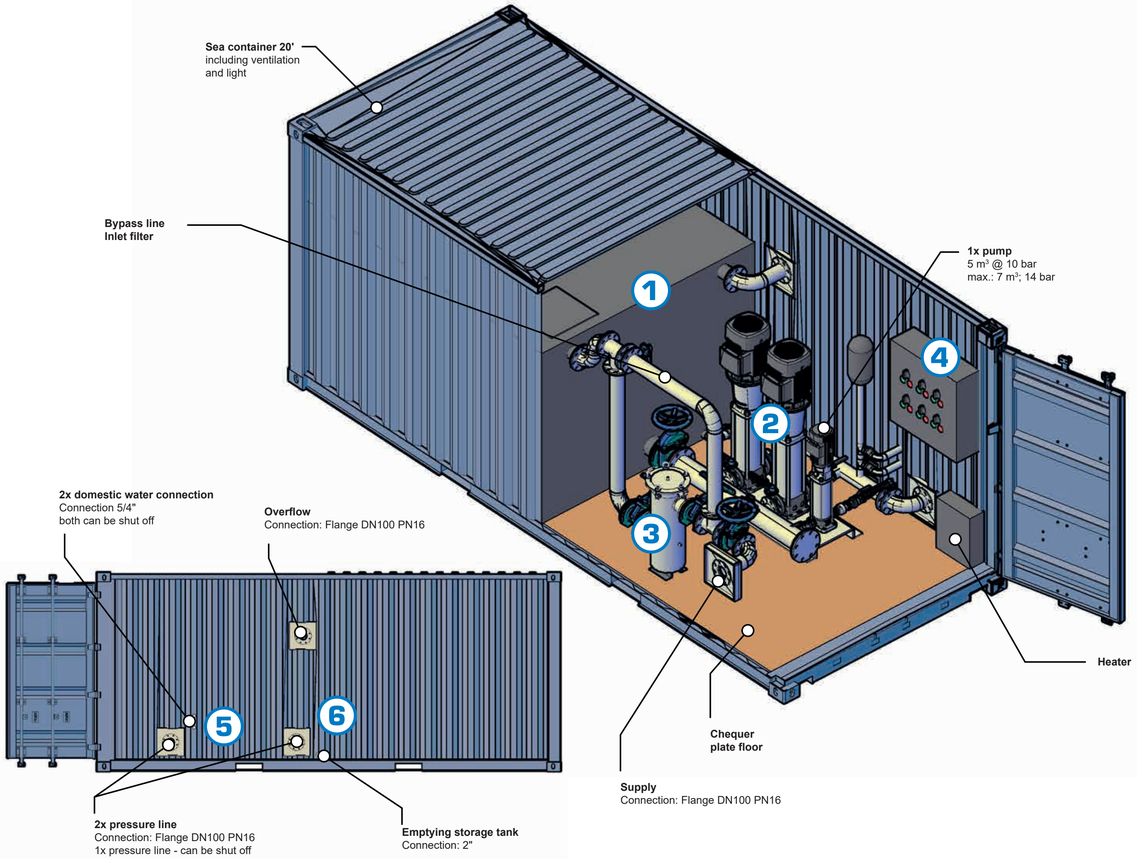
## ② Process pumps

The pumping unit consists of two process pumps with a capacity of 40 m³/h at 10 bar to supply the various water processes on the construction site. Likewise, a pressure booster pump with a capacity of 5 m³/h at 10 bar is fitted for small take-off volumes by the process pipework.

The pipework of the pumping system is of 1.4301 stainless steel. A 24-litre diaphragm pressure vessel for signal damping is fitted as standard. All pumps are controlled by frequency converters and maintain a constant pressure that can be adjusted.

## ③ Inlet filter

A canister filter with a 500 µm filter element is fitted in the inlet pipe to the internal water tank to separate out any contaminants. This can be switched off (manually) using a by-pass pipe. The water supply continues during the switch-over. Differential pressure measurement monitors the level of pollution, with visual alerts and a GSM alarm.




## ④ Control

The central on-site power supply is in the control cabinet. It includes the level control for the water tank in addition to outlets for the pumps and the complete building services installation (lighting, fan, heating).

A motor-operated shut-off valve regulates the water level in the tank, which is monitored by float switches. An external fault lamp and a GSM alarm are included as standard.

## ⑤ Process connections

Four process connections are available on the pump container for connecting to on-site pressure piping. The connection is outside the container, to the flange bushings (2 x DN100, 2 x DN 5/4"). The outlets that are not connected or not in operation can be closed with shut-off valves in the container.

Adapters for the customer's piping are available as an option (Victaulic, Parrot, Bauer, ...).

## ⑥ Water intake

The on-site water connection is made outside the container with a transition flange. Adapters for the customer's piping are available where needed (Victaulic, Parrot, Bauer, ...).

The container can be connected to the existing local water system (e.g. a hydrant), or water supplied from an external source (river, pond, cistern, well, ...) with a submersible motor pump that is available as an option. The pump is electrically connected to the central control cabinet in the container. The water level control can be switched between the local water supply and river extraction at the control cabinet.

## Optional versions

- Process pumps of various power classes
- Submersible motor pump for water supply
- Additional diaphragm pressure vessel
- Water flow measurement and recording
- Web-based data management
- Automatic backwash filter in the water inlet
- Additional water tank to increase the storage volume
- Various transition adapters for inlet and outlet pipes

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