

Wetpit™ Packaged Pumping Stations



Main Applications

Wetpit packaged pumping station is designed according to EN 12050-1 for wastewater collection, Unique design for the following environment:

- Hazardous locations
- Clean water and wastewater
- Sewage with sludge and high contain of rags
- Sewage containing solids and fibrous material
- Industrial raw water
- Municipal combined sewage and storm water systems

Features and Benefits

1 Main Structure

Wetpit pumping stations is made from glass-fibre reinforced polystyrene (GRP) that makes for an extremely robust and durable construction.

2 Valve Chamber

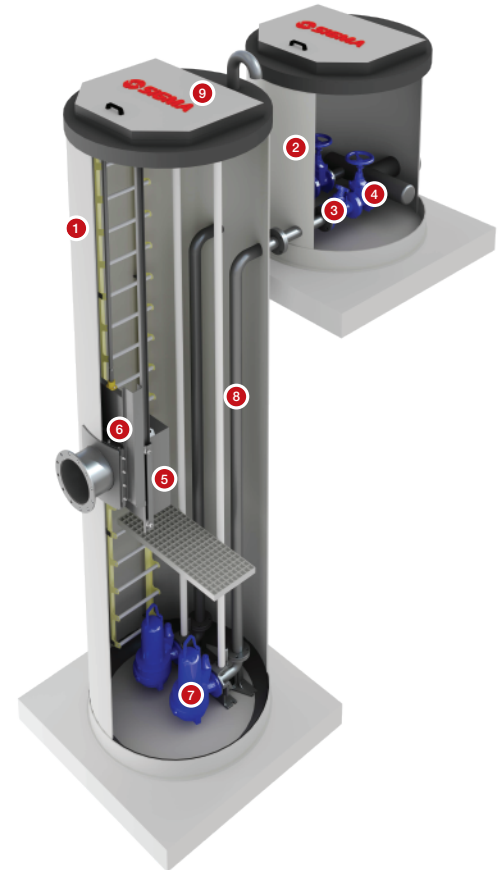
Optimum health and safety option for quick, easy and safe installation and maintenance

3 Non-return Valve

Ball valves are easy to disassemble and repair, and worn parts can be easily replaced.

4 Gate Valve

Since gate valves provide a laminar flow, the pressure loss of a gate valve is minimal. Thus, this solution will allow you to mitigate the pressure loss and maximize the efficiency of your wastewater pumps.



5 Screen Baskets

Since the basket of the screen is raised and lowered in the shaft via an electric hoist, This means this is easy and reliable solution for screening the fibrous materials.

Optionally **SULZER Muffin Monster Grinder** can be installed to same location where basket screen are used.

6 Penstock

Best solution for isolation, closing and decreasing wastewater flow in the pumping station

7 Wastewater Pumps

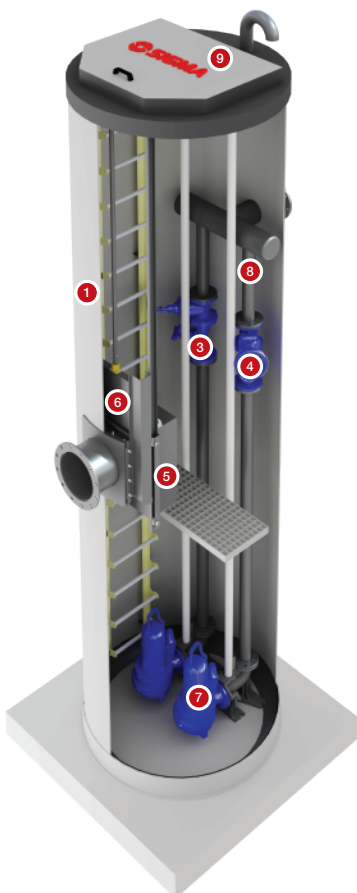
SULZER XFP submersible wastewater pumps are the best choice for ensuring efficient and reliable pumping in wetpit pumping station.

8 Piping

Pipework up to DN 300 is made of stainless steel AISI 304 or optionally AISI 316.

9 Cover

Pumping station cover is made of stainless steel AISI 304 or optionally GRP.





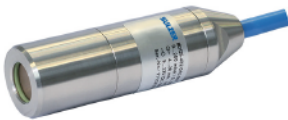
SULZER Submersible sewage pump type XFP

The submersible sewage pumps type ABS XFP are the best choice for ensuring efficient and reliable pumping in any wastewater pumping station. The submersible pumps are equipped with Premium Efficiency IE3 motors as standard and with the non-clogging Contrablock impellers



SULZER Muffin Monster™ grinders

The Muffin Monster™ sewage grinders are designed to protect pumps and other equipment by grinding down the toughest wastewater solids.



SULZER Submersible pressure sensor type ABS MD 126

The MD 126 is a high-accuracy submersible hydrostatic level sensor. Encapsulated in stainless steel and resistant to sewage water, it is designed to measure levels in liquids such as storm water and wastewater in sump pumps.



SULZER Float switch type ABS KS

The KS float switch, used in liquids for control or signal activation, operates in response to the liquid level. It is also suitable for use in sewage and for automatic level control. The KS float switch is impact- and shock-resistant, mercury-free, and environmentally friendly.



SULZER CA 511 is used for monitoring of pumping stations up to 4 pumps

The CA 511 is an operator panel for advanced monitoring of pumping stations. It can only be used in combination with the PC 441 monitoring/controller unit. The CAN-bus manages communications and supplies power. The TFT 480x272 pixel display includes 28 keys to simplify operations and ensure user-friendly operation.



SULZER EC 531 is used for monitoring of pumping stations up to 2 pumps

In-one solution for control and monitoring of sewage pumping stations with one or two pumps. It offers straightforward control and monitoring via floats or advanced control via a continuous level signal. EC 531 is also equipped with smart VFD control including PID and Best Efficiency Point (BEP), which save energy, and equipment costs.



SULZER GSM-4G Modem type CA 524

The CA 524 is a 4G modem suitable for use with all type ABS controllers equipped with RS 232 modem communication. The modem kit comes complete with modem, dipole type T antenna, power cable and a DIN-rail socket. Diodes for indication of power and network status.



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