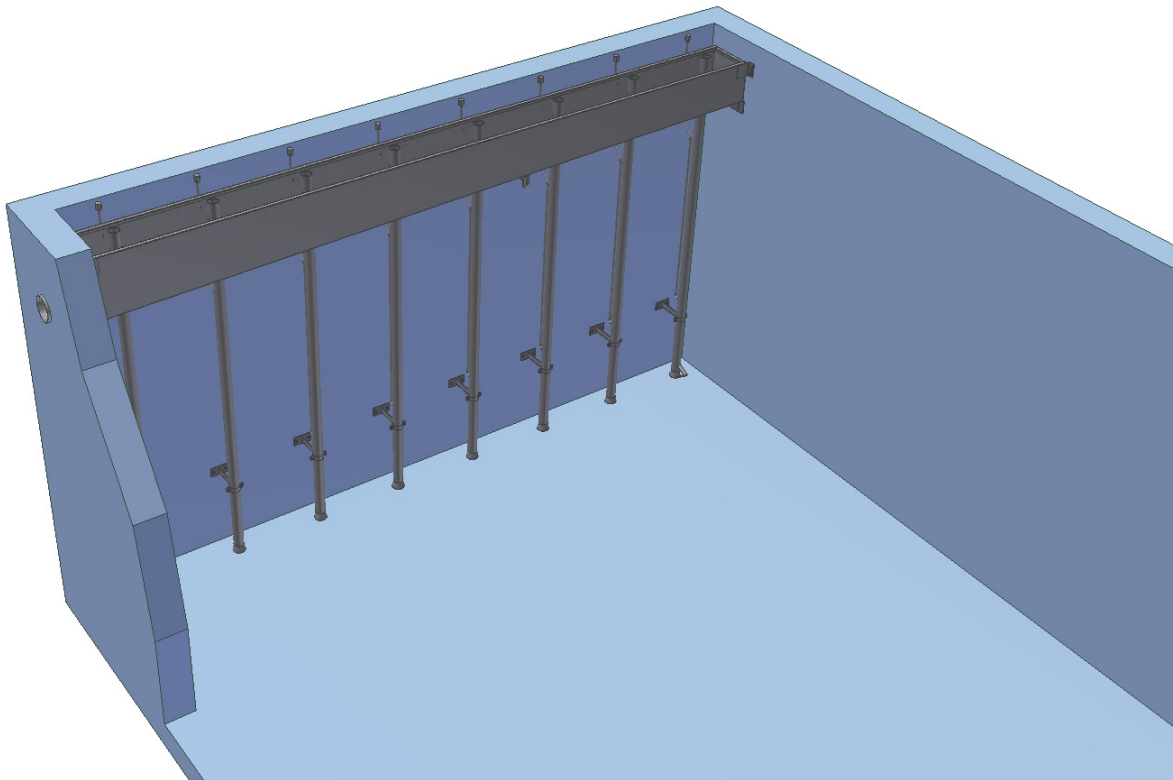


Z6600 Siphon



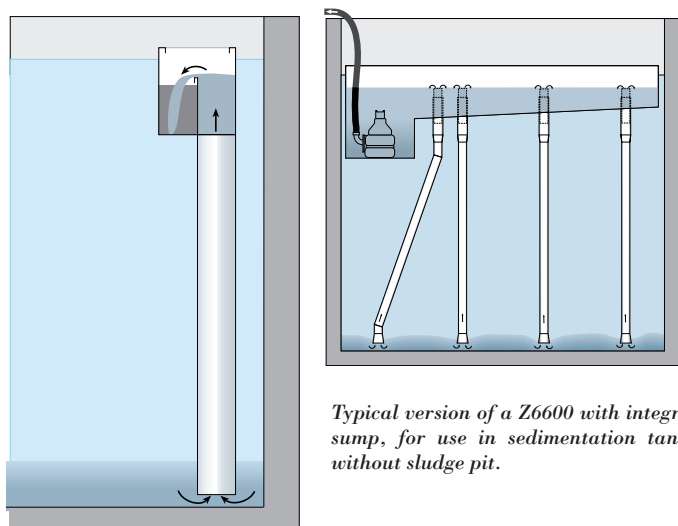
Main areas of use and features

- No need for a sludge pit in the tank
- Reduced tank construction costs
- Low energy consumption
- No moving parts.

Z6600 SIPHON

Continuous removal of sludge where there is no sludge pit

The Zickert Z6600 Siphon is a system for the continuous removal of sludge in rectangular sedimentation tanks. It can be used in tanks of all sizes, from very small ones to large ones for flow rates of up to 750 m³/h. The principle of the system is that a number of pipes are positioned vertically across the width of a tank. By means of the siphon effect, the sludge is sucked up through the pipes to a common sludge duct. A supplementary air supply can be added available for applications where the capacity needs to be varied during operation. Z6600 siphons are dimensioned for individual applications and to meet customer specifications. The system is cost effective and requires very little maintenance and servicing.



Typical version of a Z6600 with integral sump, for use in sedimentation tanks without sludge pit.

No need for a sludge pit

Where the sludge has a low total solids content it should be transported on the downstream principle. For best performance, the Z600 should be combined with the Z2000 sludge scraper, to give consistent sludge quality with the highest possible total solids content.

Control cabinet

To obtain the best possible performance from the equipment, a control cabinet is available to regulate the supply of air to the siphon system. The following parameters govern the amount of sludge:

- Incoming flow volume
- Outgoing sludge volume
- Total solids content of outgoing sludge
- Suspended substance content of outgoing water
- Sludge depth



TECHNICAL SPECIFICATIONS – Z6600 SIPHON

Application	Rectangular sedimentation tanks.
Operation	A number of sludge pipes, linked by a common sludge duct, raise the sludge.
Materials	Stainless steel ASTM 304 L or acid-resistant steel ASTM 316 L.
Optional extras	Control and regulating equipment for variable siphoning capacity.