

Waste Water Treatment

Travelling Bridges for Settlement Tanks PVS and PVA



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Description ▼

Travelling Bridges for Settlement Tanks PVS are used to remove sludge and scum from rectangular tanks in both municipal and industrial waste water treatment plants. The equipment consists of a movable truck lying on two traction trolleys. One surface scraper and one bottom scraper are installed under the truck.

The bridge is operated by a central gearbox connected to trolleys drive wheels.

The bridge travels back and forth on a flat tank bottom. By travelling, the settled sludge is conveyed into the sludge collection hopper through the bottom scraper, while scum and floating particles are collected through the surface scraper in the scum collection channel.

The scrapers are operated by one gear reducer only.

Application ▼



Benefits ▼

- ✓ Quick installation;
- ✓ High sludge and scum removal efficiency;
- ✓ Easy installation even into existing tanks.



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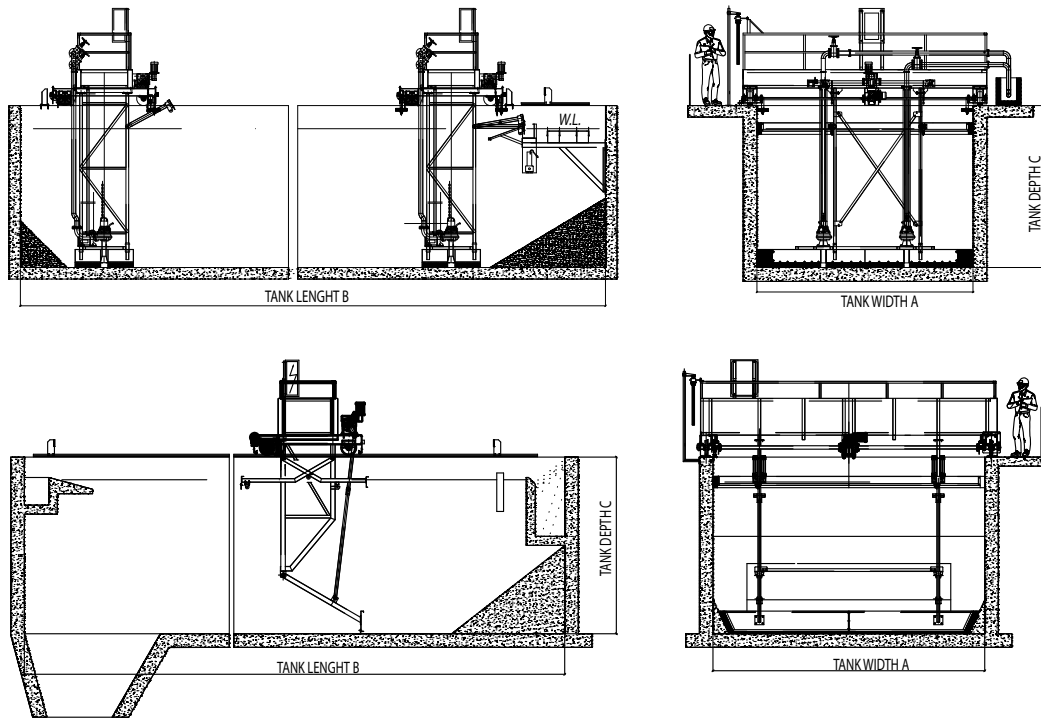
PVS and PVA



Technical Features / Performance ▼

- ▶ Available for tanks up to 13 m wide and 50 m long
- ▶ Sludge removal device
- ▶ Scum removal device
- ▶ Festooned cables
- ▶ Control panel
- ▶ Carbon steel hot dip galvanized / 304 L / 316 L SS
- ▶ Sludge suction by a submersible pump (PVA version)
- ▶ Sludge suction by syphon pipes (PVA version)
- ▶ Scum collection by rotating pipe (option)
- ▶ Motorized cable reel (option)
- ▶ Spring cable reel (option)
- ▶ Cable holding chain (option)
- ▶ Travelling system on rails instead of wheels (option)
- ▶ Scum discharge channel (option)

Overall Dimensions ▼



PVS - PVA - TRAVELLING BRIDGE FOR SETTLEMENT TANKS

MODEL	TANK WIDTH A m	TANK LENGTH B m	TANK DEPTH C m	WATER LEVEL m	TRANSLATION SPEED m/1'	INSTALLED POWER IN TRANSLATION kW	INSTALLED POWER FOR LIFTING kW
PVS - PVA 3	3	up to 50 m	2.5 ÷ 5	2.0 ÷ 4.5	1.2	0.55	0.25
PVS - PVA 4	4	up to 50 m	2.5 ÷ 5	2.0 ÷ 4.5	1.5	0.55	0.25
PVS - PVA 5	5	up to 50 m	2.5 ÷ 5	2.0 ÷ 4.5	1.5	0.75	0.37
PVS - PVA 6	6	up to 50 m	2.5 ÷ 5	2.0 ÷ 4.5	1.5	0.75	0.37
PVS - PVA 7	7	up to 50 m	2.5 ÷ 5	2.0 ÷ 4.5	1.5	0.75	0.37
PVS - PVA 8	8	up to 50 m	2.5 ÷ 5	2.0 ÷ 4.5	1.5	0.75	0.55
PVS - PVA 10	10	up to 50 m	2.5 ÷ 5	2.0 ÷ 4.5	1.5	1.10	0.75
PVS - PVA 12	12	up to 50 m	2.5 ÷ 5	2.0 ÷ 4.5	1.5	1.10	0.75
PVS - PVA 13	13	up to 50 m	2.5 ÷ 5	2.0 ÷ 4.5	1.5	1.10	0.75

DS PVS - PVA EN December 2017 R00
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