

Waste Water Treatment

Travelling Bridges for Grease and Grit Removal PVD

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Description ▼

Travelling Bridges for Grease and Grit Removal PVD are used to remove grease and grit from rectangular tanks in both municipal and industrial waste water treatment plants.

The equipment is composed 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 gear motor connected to trolley drive wheels.

The tank is divided into two main parts: one for grit settling, the other one for grease collection. An air injection system (excluded from the scope of supply), installed in the grit channel, generates a circular movement, thus separating the organic and floating particles from the grit. Scum is conveyed through this movement to the grease collecting channel, while grit settles. The bridge travels back and forth. Travelling one way, it conveys the settled grit in the grit collection hopper through the bottom scraper, and collects scum and floating particles through the surface scraper when it runs in the opposite direction.

The scrapers are operated by one gear motor only.

Application ▼



Benefits ▼

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



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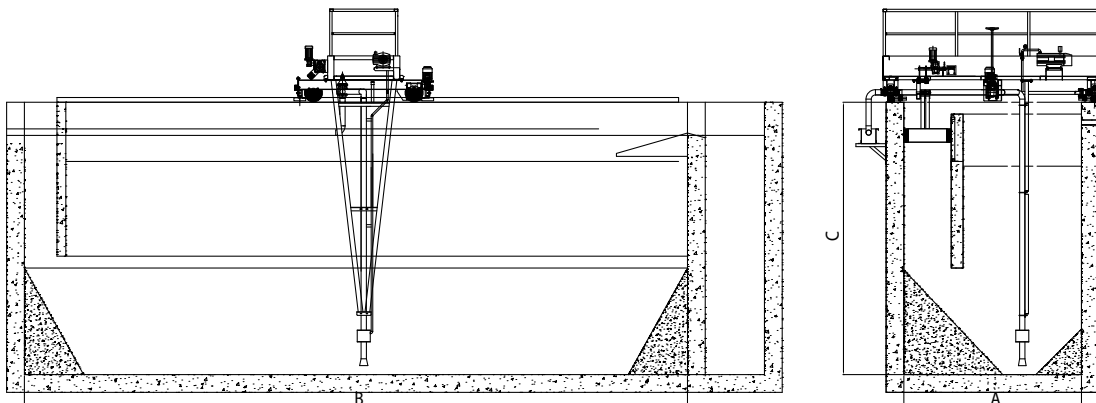
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Technical Features / Performance ▼

- ▶ Available for tanks up to 13 m wide and 50 m long
- ▶ Grit removal device
- ▶ Scum removal device
- ▶ Festooned cables
- ▶ Control panel
- ▶ Carbon steel hot dip galvanized/ 304 L / 316 L SS
- ▶ Grit suction by means of a submersible pump (option)
- ▶ Grit suction by means of an air lift pump (option)
- ▶ Scum collection by means of rotating pipe (option)
- ▶ Motorized cable reel (option)
- ▶ Spring cable reel (option)
- ▶ Cable holding chain (option)
- ▶ Travelling system on rails instead of wheels (option)
- ▶ Grease and grit channel dividing wall in stainless steel (option)
- ▶ Scum discharge channel (option)

Overall Dimensions ▼



PVD - TRAVELLING BRIDGE FOR GREASE AND GRIT REMOVAL

MODEL	TANK WIDTH A m	TANK LENGTH B m	TANK DEPTH C m	INSTALLED POWER IN TRANSLATION - kW	INSTALLED POWER FOR LIFTING - kW
PVD 3	3	10 ~ 40	2.5 ~ 5	0.55	0.25
PVD 4	4	10 ~ 40	2.5 ~ 5	0.55	0.25
PVD 5	5	10 ~ 40	2.5 ~ 5	0.75	0.37
PVD 6	6	10 ~ 40	2.5 ~ 5	0.75	0.37
PVD 7	7	10 ~ 40	2.5 ~ 5	0.75	0.37
PVD 8	8	10 ~ 40	2.5 ~ 5	0.75	0.55
PVD 10	10	10 ~ 40	2.5 ~ 5	1.1	0.75
PVD 12	12	10 ~ 40	2.5 ~ 5	1.1	0.75
PVD 13	13	10 ~ 40	2.5 ~ 5	1.1	0.75