WASTE WATER TREATMENT

# Travelling Bridges for Grease and Grit Removal

## PVD








SAVECO™
Member of WAMGROUP®

Travelling Bridges
for Grease and Grit Removal
PVD

# HIGHLY EFFICIENT GREASE AND GRIT REMOVAL

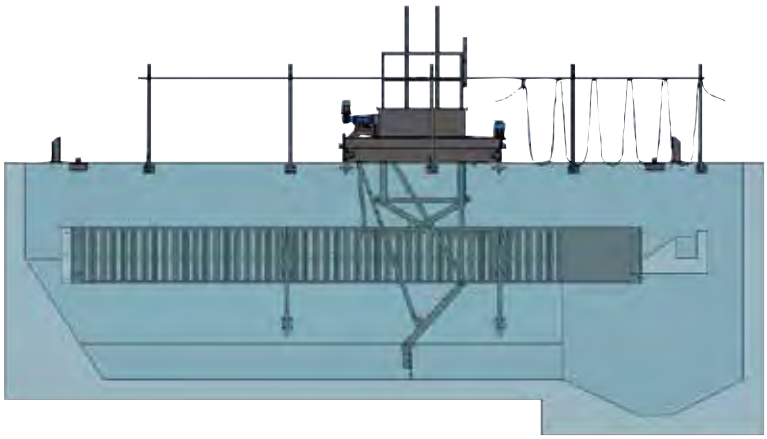
PVD Travelling Bridges are used to remove grease and grit in both municipal and industrial waste water treatment plants.

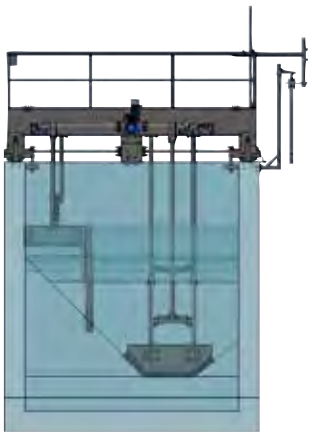
The equipment is composed of a movable truck lying on two traction trolleys. One surface scraper and one bottom scraper are installed under the truck. The bridge is operated by a central gear motor connected to trolley drive wheels.

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.

## Overall Dimensions





| MODEL | TANK WIDTH A m | TANK LENGTH B m | TANK DEPTH C m | INSTALLED DRIVE POWER IN TRANSLATION - kW | INSTALLED DRIVE 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 |

## Benefits

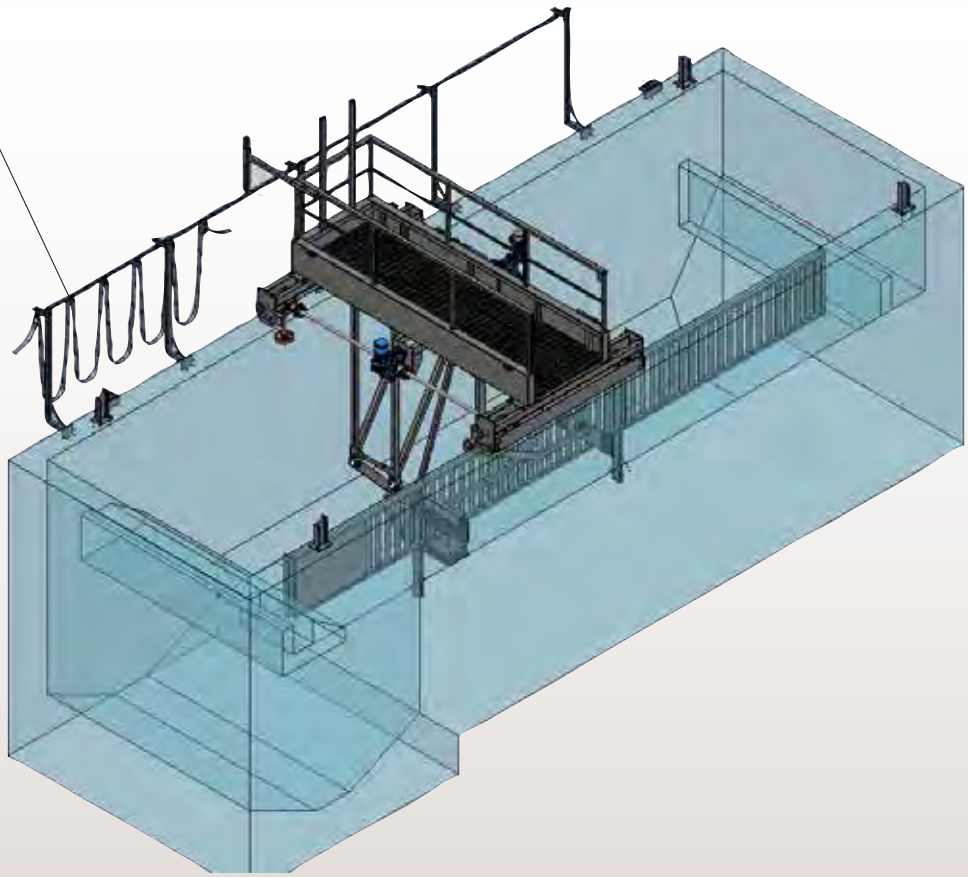
- ✓ **Quick installation**
- ✓ **High efficiency grit and grease removal**
- ✓ **Easy installation even in existing tanks**

## Technical Features

- Available for up to 13m wide and 50m long tanks
- Grit removal device
- Scum removal device
- Festooned cables
- Control panel
- Hot dip-galvanised carbon steel / 304 L / 316 L SS



Festooned Line



## Accessories

- Stainless steel grease and grit channel dividing wall
- Scum discharge channel

# Application







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