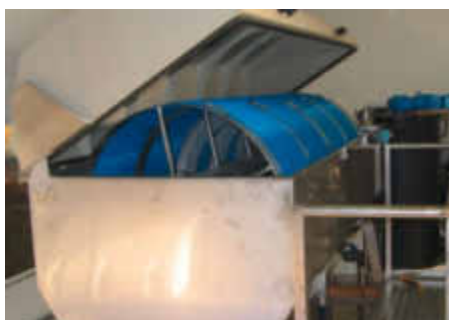


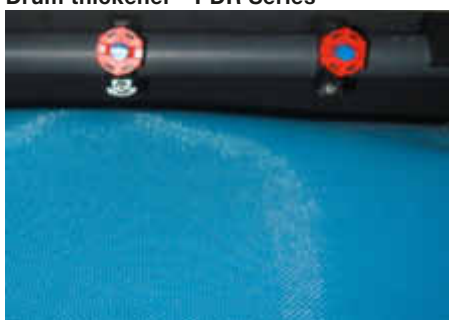
Drum thickeners - PDR series

For sludge thickening
Large flow





Drum thickener - PDR Series



Polyester cloth and cleaning belt



Venturi Mixer

The PDR Series drum thickeners ensure dynamic thickening by continually rotating the sludge for increased large flow (35 to 80 m³/hr).

They are specially designed for pre-digestion treatment (for primary, secondary or tertiary sludge) or when land liquid spreading is planned. The PDR drum thickener may also be used to lower the hydraulic capacity of the dewatering equipment installed in the upstream process.

The inlet sludge are conveyed thanks to an adjustable drum slope and to the action combined by its rotation and an internal spiral structure. This drum has the particularity of having, along its length, various stitches of filtration, by zone, with a polyester cloth, thus achieving better separation efficiency. Downstream in this process, the Venturi Mixer ensures an efficient inline flocculation, without supplementary power consumption.

Benefits

- Resistant technologie (all stainless steel design), very low wear
- Reduction in sludge volume (up to 90%) before storage or shipment
- Continuous self-cleaning belts thanks to a PVC spray bar with brass nozzles
- Adjustable belt slope
- Low power consumption and consequently low operating costs
- Entirely sealed system to avoid odour pollution
- Low space requirement
- Easy maintenance and quick belt removal
- Easy to install (delivered pre-wired) ; a skid design is available so as to make installation and moving easier
- Efficient and reliable process

Technical features:

Model	Ø (mm)	L x l x H (mm)	Motor (kW)	Washwater flow (m ³ /hr)	Washwater pressure (bars)
PDR900M	900	2920 x 1340 x 1700	1.10	2.4	8 mini
PDR900L	900	3955 x 1340 x 1700	1.50	3.6	8 mini
PDR900XL	900	4955 x 1340 x 1700	1.50	4.8	8 mini

For drum thickeners with small and medium flow (5 to 40 m³/hr), consult our SR series range.

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