

Waste Water Treatment

Circular Grit Traps DSP

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Description ▼

Circular Grit Traps DSP are used to remove sand and grit from sewage in waste water treatment plants.

The equipment consists of a drive unit complete with a central bearing, two steel blades operated by an impeller and a central air lift pipe.

Sewage tangentially enters the concrete tank and is moved thanks to two blades operated by a drive unit installed on the concrete walkway. The circular movement allows the grit to settle on the bottom of the tank.

The air lift is composed of a flanged pipe with a hydro extractor on its end. The air lift operates through compressed air, thus lightening the grit/water mixture sucking efficiently the sand from the bottom of the tank.



Benefits ▼

- ✓ Robust design;
- ✓ Low maintenance costs;
- ✓ Easy installation even into existing tanks.

This datasheet might not show the complete range but only the models specialised for the application.

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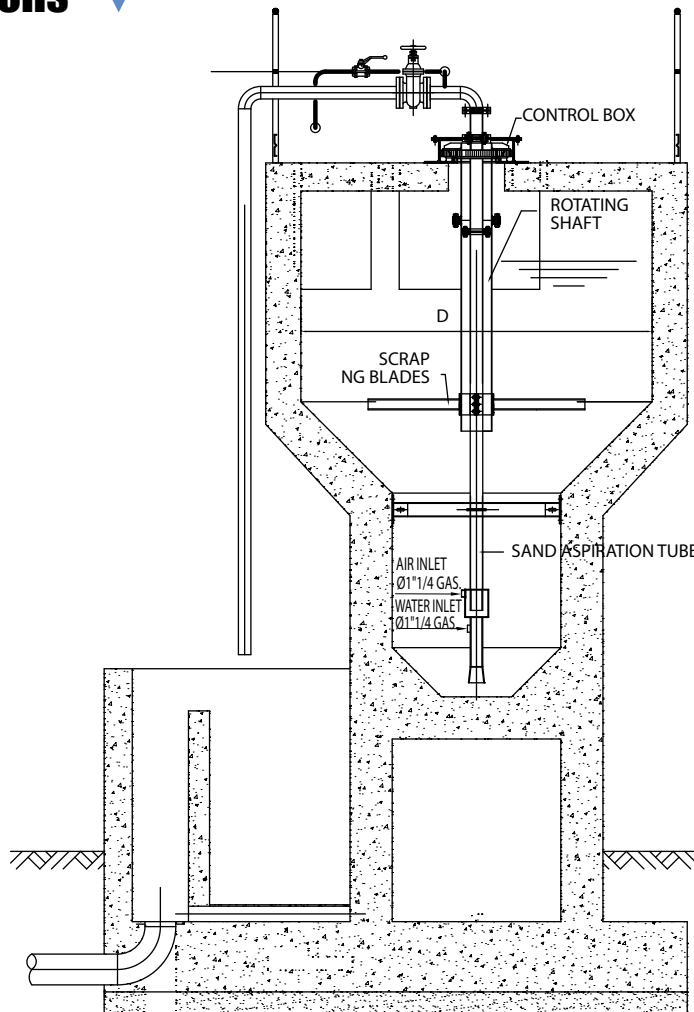
D“Pista” Circular Grit Traps DSP



Technical Features / Performance ▼

- ▶ Available for tanks up to 6 m in diameter
- ▶ Control panel (option)
- ▶ Central bearing
- ▶ Walkway made from carbon steel hot dip galvanized/ 304 L / 316 L SS (option)
- ▶ Carbon steel hot dip galvanized / 304 L / 316 L SS

Overall Dimensions ▼



DSP - "PISTA" CIRCULAR GRIT TRAP						
MODELS	TANK DIAMETER D m	INSTALLED POWER kW	MAX FLOW RATE m³/h (*)	HYDRO-EXTRACTOR DIAMETER	WATER CONNECTION Ø	AIR CONNECTION Ø
DSP 20	2.00	1.1	400	DN 80	1" 1/4	1" 1/4
DSP 25	2.50	1.1	800	DN 80	1" 1/4	1" 1/4
DSP 30	3.00	1.1	1,200	DN 80	1" 1/4	1" 1/4
DSP 40	4.00	1.1	2,500	DN 80	1" 1/4	1" 1/4
DSP 50	5.00	1.1	4,000	DN 80	1" 1/4	1" 1/4

(*) Values are for indication only, the effective flow rate depends on the concrete tank dimensions and characteristics.