HYDRIA™ WATER



CENTER SCREEN CG

Center Screen CG is a modern fine screen with perforated panels that separate solid particles, screenings and debris from water.

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Center Screen works by driving a conveyor of linked screen panels around while they filter the water. The separated material is then transported up by the conveyor and automatically brushed off at the discharge point. The conveyor is kept clean by the brush and rinse ramp.

Center Screen is a refined conveyor screen with unique functions such as non-carry over and a higher capacity than similar perforated plate screens, for example.

FUNCTIONS

- Modern design of strong, stainless high-quality material.
- Good separation in many applications.
- Stainless chains and idlers.
- Clean and dirty sides are kept completely separate.
- Flow direction can be centre to outside or outside to centre.
- Available with alternative screen media such as perforated plate panels, mesh or screen cloth.
- Integrated wash press, laundry chute or conveyor.
- High capacity.
- Completely enclosed, safe and hygienic with easy-to-open inspection hatches.

SPECIFICATIONS

Discharge height	1,5-8 m
Effective width	<1 800 mm
Perforation (Ø)	1-10 mm
Capacity	<4 000 l/s
Drive unit	SEW/Nord
Material	EN 1.4301, EN 1.4404

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EXPLODED VIEW

1. Lockable inspection and service hatches

2. Multiple lifting eyes for easier installation and service

3. Ventilation connection

4. Reinforced profiles for chain and brush tensioning

5. Stabilizing beams

6. Neoprene seals between each screen panel

7. Alternative connections for rinse water (Selectable connection side)

8. Custom inlet baffles for sealing against channel wall

9. Non-carry-over design with guaranteed separation

10. Labyrinth seals between screen surface and chassis

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11. Automatic lubricated bearings with 1-year dispenser

12. Launder discharge (can be replaced with integrated screw conveyor)

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