



TASK

Fine screening of wastewater, including subsequent conveyance of screenings and discharge.

SOLUTION

The JOHNSON SCREENS® Inclined Shafted MINYSCREEN is probably the smallest low cost screen screw available on today's market and is designed to be installed in small municipal or community wastewater treatment plants (hotels, restaurants, small villages, etc.).

FUNCTION

The JOHNSON SCREENS® Inclined Shafted MINYSCREEN is a combined machine consisting of a screen basket and a shafted spiral conveyor. During operation, liquids flow into the screen basket, solids with a larger diameter than the hole/gap width are captured. Cleaning brushes fixed to the periphery at the lower section of the spiral clean the screen basket surface and the shafted spiral conveys the solids up to the discharge zone.

PERFORMANCE

MINYSCREEN Type MI 15 E				
Perforation (mm)	2	3	5	6
Flow rate (m ³ /h)	5	8	20	23

MINYSCREEN Type MI 25 E				
Perforation (mm)	2	3	5	6
Flow rate (m ³ /h)	8	15	35	50

BILFINGER WATER TECHNOLOGIES

JOHNSON SCREENS® Inclined Shafted MINYSCREEN

BENEFITS

- Easy operation and maintenance:
 - main parts of the machine are in bolted section to grant good access for inspection and maintenance
- High quality and reliability at low cost
- Quick and easy installation
- Low weight
- Simple retrofitting
- Low operating costs due to direct drive with low power consumption
- No service water required
- No bearing in contact with the effluent



BILFINGER

**WATER
TECHNOLOGIES**

MATERIALS

Casing, screen basket:

stainless steel AISI 304L or AISI 316L

Spirals:

special Micro Alloy Steel St52 (carbon steel in accordance with JOHNSON SCREENS® standard), alternatively AISI 304L or AISI 316L

OPTIONS

- MINYSCREEN can be supplied with HDPE tank



Small wastewater treatment plant



Small village wastewater treatment plant

Water Technologies

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MINYSCREEN installed in HDPE tank