



TASK

The complete mechanical pre-treatment for municipal or industrial wastewater treatment plants, in the form of a single complete package.

SOLUTION

The JOHNSON SCREENS® Combined Unit MINYTOP integrates screenings and grit separation with the option of fat, oil and grease (FOG) removal, all within a single package unit. The MINYTOP is especially designed to treat the effluent for small wastewater treatment plants.

FUNCTION

Pumped or by gravity the wastewater enters into the screen section where solids are removed from the effluent, and dewatered prior to being discharged into a container. The screened effluent then discharges to a hopper section for grit and sand sedimentation. The grit is conveyed by a spiral conveyor and can be further washed prior to dewatering and disposal into a container.

The JOHNSON SCREENS® Combined Unit MINYTOP range is available in two variants, MINYTOP 2 and MINYTOP 3. MINYTOP 2 integrates a screening and a grit/sand separation treatment section. The MINYTOP 3 range incorporates the MINYTOP 2 sections plus a further treatment section for FOG removal with air diffusers for flotation and removal of FOG which can then be removed and disposed into a separate container.

DESIGN SIZES

- MINYTOP 2/3 15: 5 lt/sec
- MINYTOP 2/3 25: 10 lt/sec
- Gap width: 2–6 mm

BILFINGER WATER TECHNOLOGIES

JOHNSON SCREENS® Combined Unit MINYTOP

BENEFITS

- Mechanical pre-treatment within a low footprint
- Low investment costs
- Low requirements for civil engineering
- Complete hygienic stainless steel encapsulation
- No bearing in touch with the effluent
- Quick and easy installation
- High quality and reliability at low cost:
 - grease removal operates independently from the water level



BILFINGER

**WATER
TECHNOLOGIES**

MATERIALS

Tanks, covers, supports:

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

- Washing system to reduce the organic content
- By-pass flange
- Continuous bagging system type longopac
- Control panel
- Air blower

APPLICATIONS AND FIELDS OF OPERATION

- Compact pre-treatment for small municipal / industrial wastewater treatment
- Replaces the entire input stage of a wastewater treatment plant
- Pre-treatment for membrane plants



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