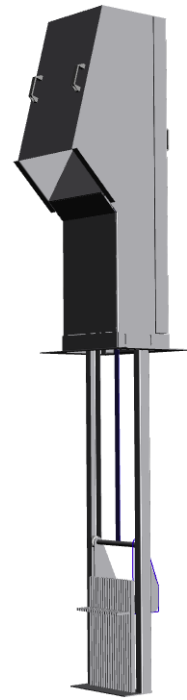


VERTICAL BAR SCREEN

SPECIFICITIES

- > Installation : Pumping station / Channel
- > Vertical screening
- > Bar spacing from 6 to 30 mm
- > Discharge height up to 6 m
- > Screenings discharge upstream
- > Rake driving by strap
- > Simple design, reliable and sturdy



DESCRIPTION / OPERATION

STRAPSEP vertical screens, STR series, can be installed in channels or in pumping stations. They fulfill both fine or coarse screening function. They can also be equipped with a fully integrated compactor for screenings dewatering (STR/P series).

The effluent passes through the screen, while the waste is stopped by vertical bars spaced apart according to the desired mesh.

The screen start-up is programmed periodically, and by loss of head measurement caused by the accumulation of waste on the bars. The waste is lifted by means of a rake going alternatively upward and downward. Driving of the rake is ensured by a strap.

○ FRAME

The structure of the screen is made up of two lateral frame structures offering two screening widths possibilities of 400 or 600 mm. For channel installation, lateral rubber bands are sealing the gap between screen and civil-work. For pumping stations, a quick-coupling flange is an integral part of the machine. It is possible to pull out the screen without going down to the bottom of the station.

○ FILTRATION SCREEN

The screen consists of fixed bars whose space between them defines the screening mesh. This simple technology is suitable for low flow rates, which can be used either as a fine or coarse screen (6 to 30 mm bar spacing).

○ MECANISM

The upward and downward movement of the rake is generated by the winding and unwinding of a strap. An innovative central guide mechanism directs the toothed rake between the bars for perfect penetration into the bars and an effective waste lifting.

○ WASTE

The screening waste can thus be unloaded in a container. They can be also transferred to a conveyor or a screw compactor integrated to the unit (Version STR/P).

TECHNICAL DATA

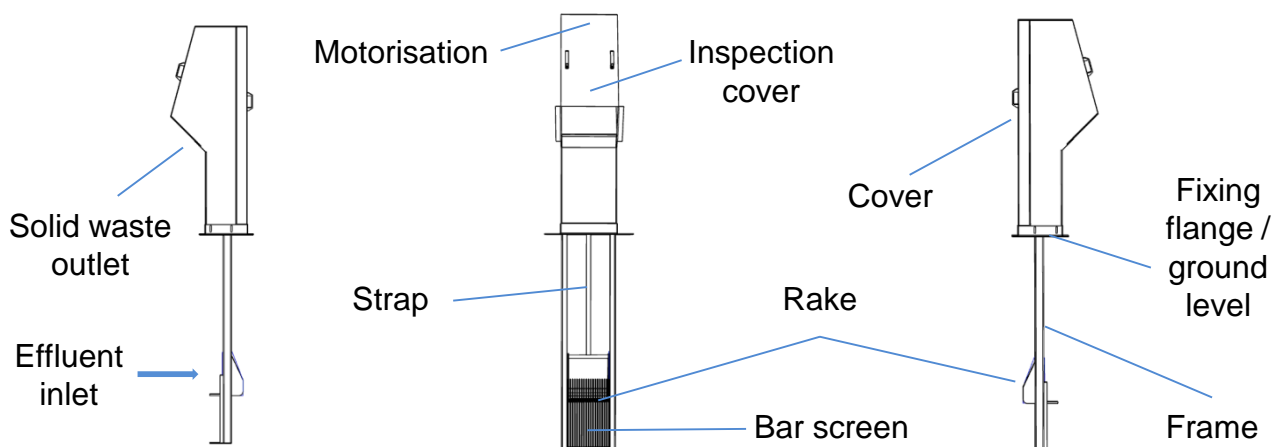
MATERIAL

- Construction in stainless steel 304L or 316L

PERFORMANCES

| | Hydraulic flow rates with urban effluent (m ³ /h) | | | | | |
|-----------|--|-----|-----|-----|-----|-----|
| Mesh (mm) | 6 | 10 | 15 | 20 | 25 | 30 |
| STR 500 | 73 | 91 | 104 | 112 | 117 | 121 |
| STR 700 | 109 | 136 | 156 | 167 | 176 | 181 |

LAY-OUT AND DIMENSIONS



| | Overall dimensions in mm | | | | | |
|---------|--------------------------|-------------------|--------------------|--------------|-----------|--------------------------|
| Models | Discharge height maxi | Total height maxi | Channel width mini | Screen width | STR width | Channel hold length maxi |
| STR 500 | 6000 | 7100 | 500 | 400 | 490 | 800 |
| STR 700 | 6000 | 7100 | 700 | 600 | 690 | 800 |

The manufacturer reserves the right to make technical and manufacturing modifications without prior notice.
Not all installation possibilities and combinations are indicated. Please consult us.