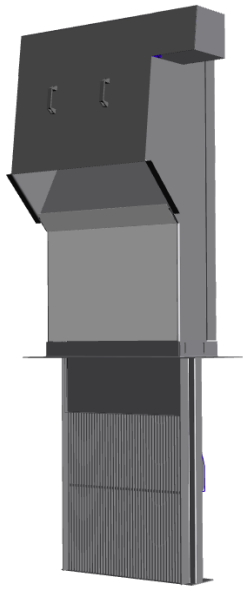
BARSEP

BAR SCREEN

SPECIFICITIES

- Installation : Pumping station / Channel
- Vertical screening
- Bar spacing from 6 to 60 mm
- Discharge height up to 10 m
- Screenings discharge downstream
- Rake driving by strap
- Simple design, reliable and sturdy



DESCRIPTION / OPERATION

BARSEP vertical screens, BRS 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 (BRS/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 fitting the required channel width. For channel installation, lateral rubber bands are sealing the gap between screen and civil-work. BARSEP vertical screens are covering configurations up to 1,75 meter width and up to 10 meters discharge height.

- **FILTRATION SCREEN**
  The screen consists of fixed bars whose space between them defines the screening mesh. This simple technology is suitable for low and high flow rates, and 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 BRS/P).

TECHNICAL DATA

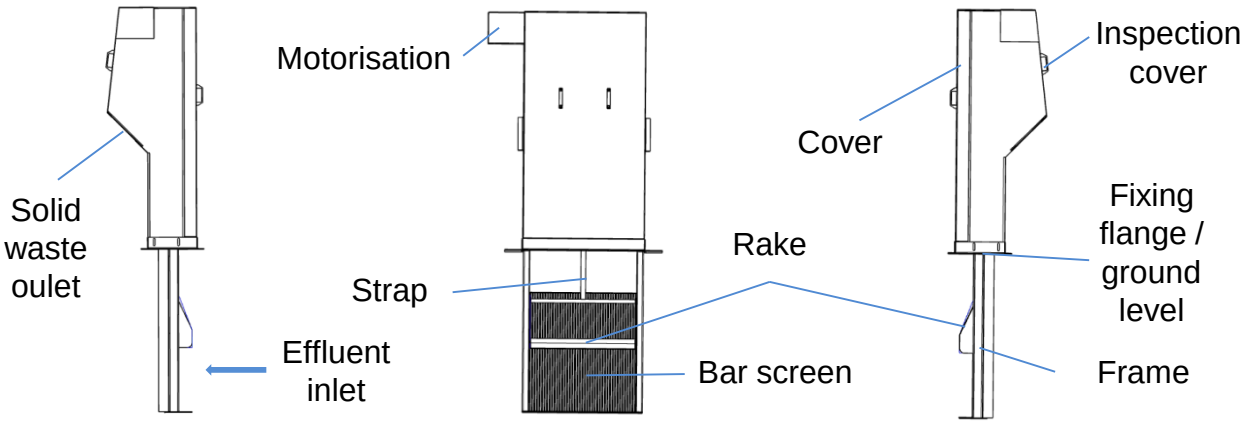
MATERIAL

- **Construction in stainless steel 304L or 316L**

PERFORMANCES

	Hydraulic flow rates with urban effluent (m^3/h)					
Mesh (mm)	BRS 500	BRS 750	BRS 1000	BRS 1250	BRS 1500	BRS 1750
From 6 to 60 mm	Flow rates are depending of channel width, mesh and hydraulic profile (Flow velocity)					
	Up to 20 000 m^3/h					

LAY-OUT AND DIMENSIONS



	Overall dimensions in mm						
Models	Discharge height maxi	Total height	Channel width mini	Screen width	RKS width	MR width	Channel hold length maxi
BRS 500	10000	11150	500	370	490	+ 555	800
BRS 750	10000	11150	750	620	740	+ 430	800
BRS 1000	10000	11150	1000	860	980	+ 310	800
BRS 1250	10000	11150	1250	1110	1230	+ 185	800
BRS 1500	10000	11150	1500	1360	1480	+ 60	800
BRS 1750	10000	11150	1750	1610	1730	/	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.