

## EXTERNALLY FED DRUM SCREEN

### Fine Screen

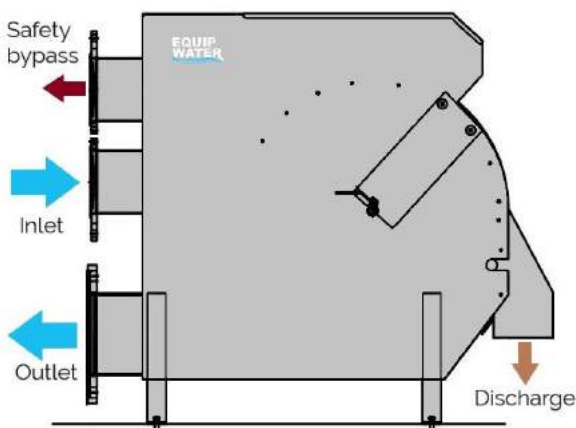
#### DESCRIPTION

The DRUM SCREEN executes fine micro-screening and is installed upstream of small and medium-sized purification plants. The flow of the suspension for screening meets the surface of the rotary screen perpendicular to the direction of the hole between the bars. While the filtered liquid passes through the holes of the screen and is discharged into a tank under the cylinder, the solids are trapped on the surface of the same screen and are drawn by rolling friction to a spillway blade that diverts them to a special container. The bars of the cylinder are wedge-shaped, permitting the uninterrupted flow of hydraulic pressure and minimizing the risk of solids sticking and causing obstruction.



#### BENEFITS

- ➔ Most efficient screening technology
- ➔ Capture everything
- ➔ Structure & Drum in stainless steel

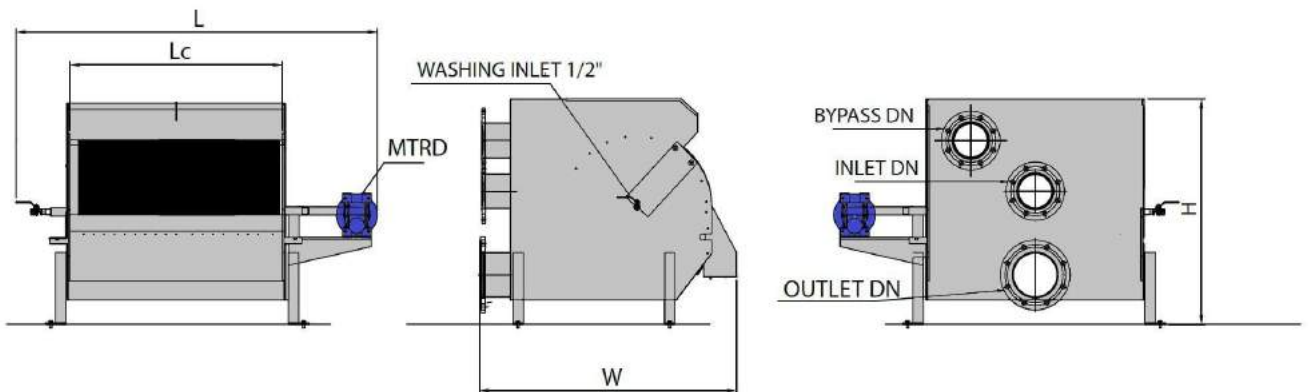


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#### MANUFACTURING FEATURES

- Feed chamber with incorporated overflow, designed to allow sewage to cover the entire width of the cylinder,
- Screening cylinder consisting of a V-shaped profile wound in a spiral around a structure of longitudinal bars,
- Spillway blade made of wear-resistant material that exerts constant pressure on the cylinder piston,
- Backwash by means of a device installed in the screening cylinder,
- Spacing between 0.25 and 6 mm wedge wire or from 1 to 6 mm perforated.
- Worm geared motor and helical gears.



Dimensions (mm)		Externally Drum Screen					
		EDS 500	1000	1200	1500	2000	3000
Max height (H) mm		1100	1100	1100	1100	2300	2300
Max width (W) mm		1250	1250	1250	1250	1650	1650
Max length (L) mm		1750	2250	2450	2750	3100	4100
Drum length (Lc)		500	1000	1200	1500	2000	3000
Drum diameter (d)		628	628	628	628	914	914
Inlet diameter DN		100	150	200	250	300	400
By pass diameter DN		100	150	200	250	300	400
Outlet diameter DN		150	200	250	300	350	500
Installed power Kw		0,37	0,55	0,55	0,75	1,1	1,5
Drum Opening		Flow m <sup>3</sup> /h					
Wedge wire	0,25 mm	35	70	80	100	140	310
	0,5 mm	60	125	140	200	250	550
	0,75 mm	90	170	180	250	330	700
	1 mm	110	200	240	320	420	950
	2 mm	165	330	350	500	620	1390
	3 mm	200	400	400	600	750	1650
	5 mm	240	480	480	680	900	2000
	6 mm	250	500	520	730	1000	2100

