

◇ Screw Screens

The ML screw screen offers fine screening, conveying and dewatering in one cost efficient and space saving unit. Every unit is designed according to the flow conditions of the site and the requirements for screening and discharge height. Easy, dry maintenance is provided through access covers and central pivot. Options include washing of screenings and heating and insulation of the pressing zone.

Dewatering zone

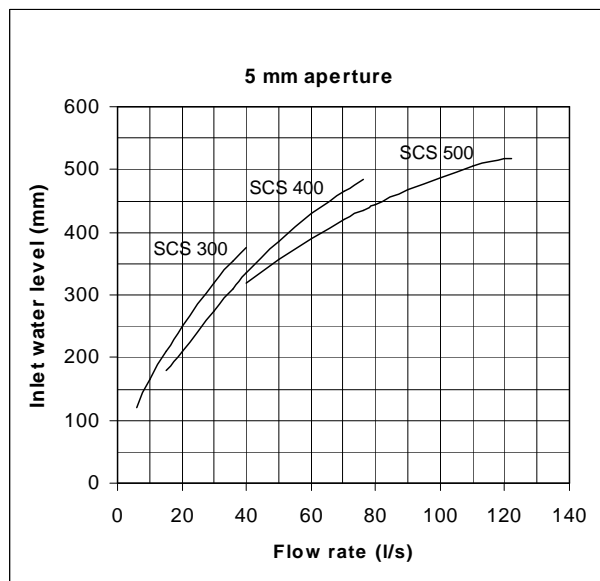
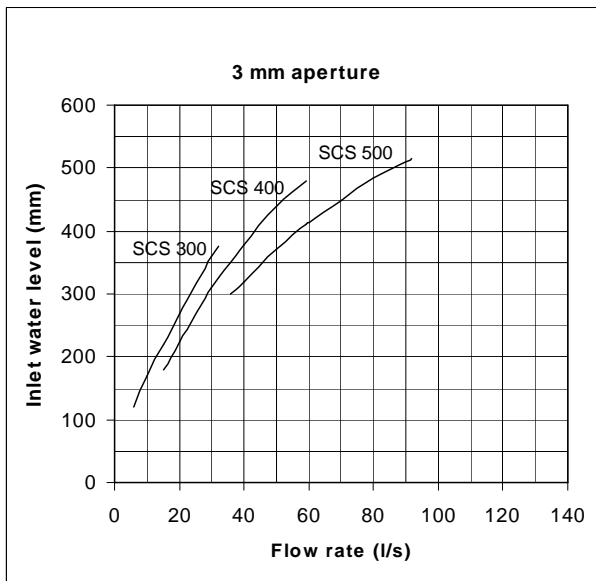
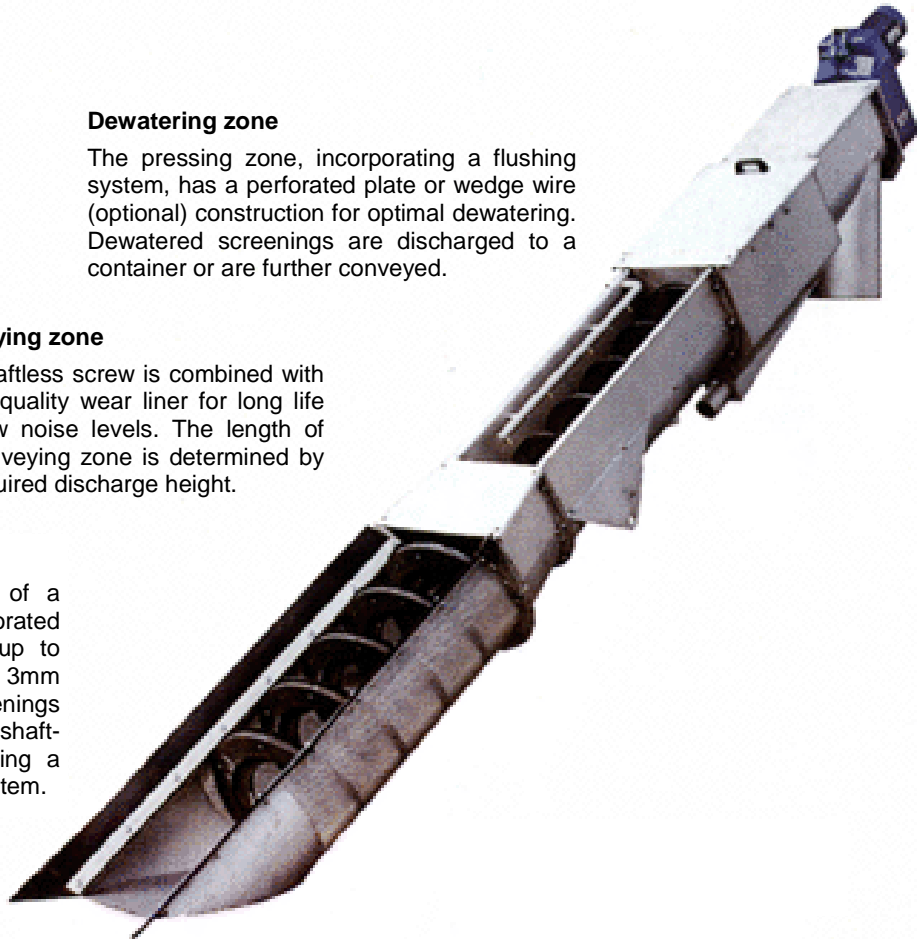
The pressing zone, incorporating a flushing system, has a perforated plate or wedge wire (optional) construction for optimal dewatering. Dewatered screenings are discharged to a container or are further conveyed.

Conveying zone

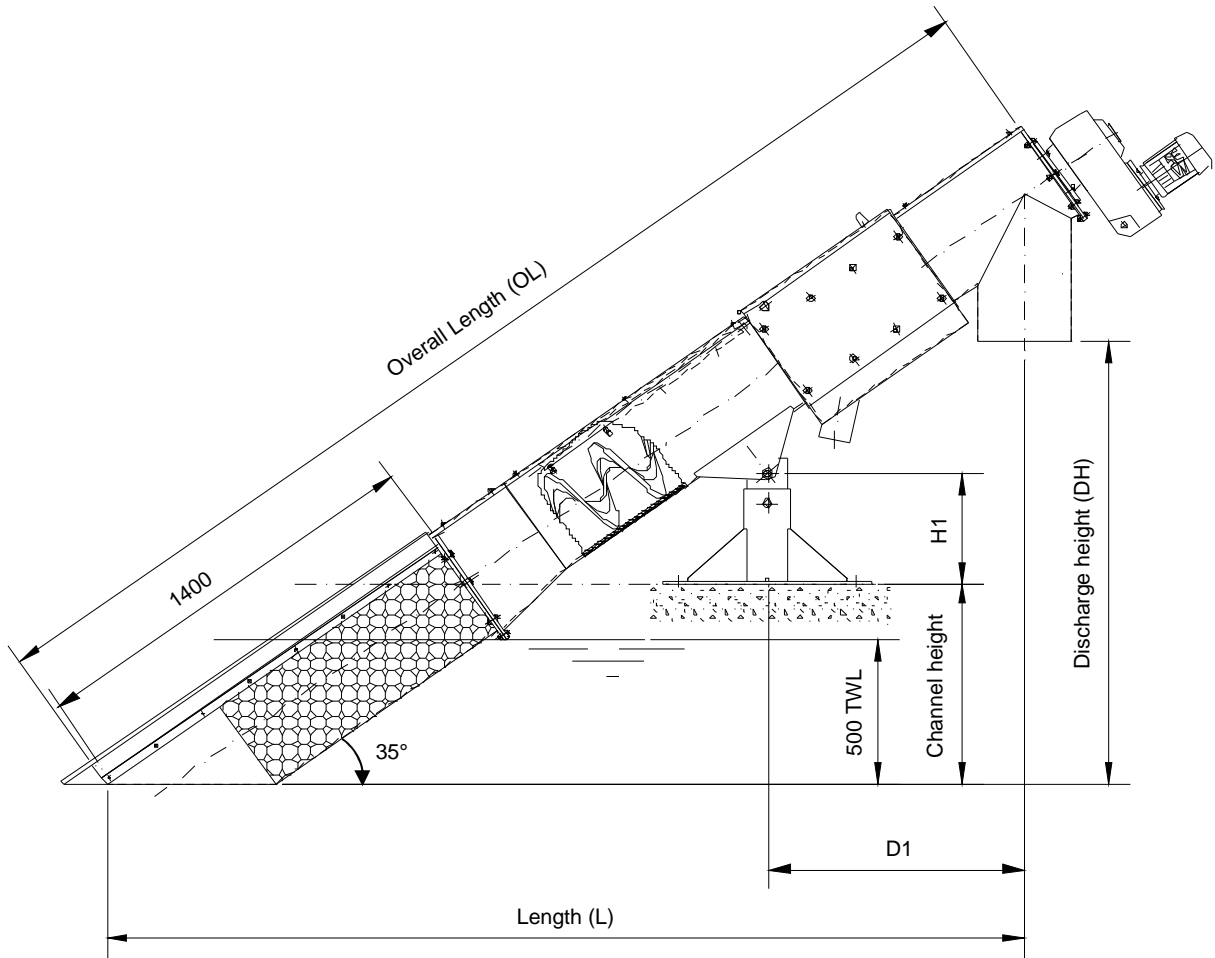
The shaftless screw is combined with a high quality wear liner for long life and low noise levels. The length of the conveying zone is determined by the required discharge height.

Screening zone

The screen consists of a stainless steel perforated basket in diameters up to 500 mm and aperture 3mm or 5 mm. The screenings are transported using shaftless screw incorporating a self cleaning brush system.



Example curves of capacity for a given inlet water level for screen aperture sizes 3 and 5 mm. Under typical conditions maximum capacity for a single unit is 120 litres / second. Multiple units can be used for installations with higher flow rates.



A dimensional drawing together with calculation of the length of the unit for any given discharge height. Three screen basket diameters are available 300, 400 and 500 mm.

Screen Dimensions (mm)		
DH	OL	L
1250	3360	2655
1500	3795	3013
1750	4230	3370
2000	4670	3725
2250	5100	4085
2500	5539	4440
2750	5975	4975
3000	6410	5158

Machine size (mm)	Min. channel width (mm)
300	360
400	470
500	570

Dimension H1 and D1 to be confirmed at time of order.