

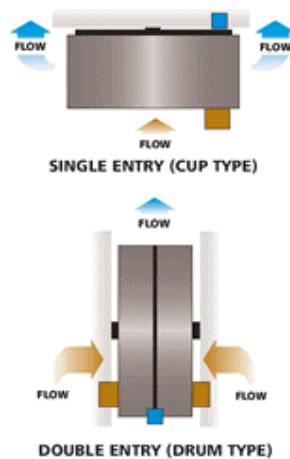


- ◆ Simple and Robust design to screen large volumes of water.
- ◆ Perforated panels in steel or thick plastic depending on application.
- ◆ Cup Screens from 1 metre diameter.
- ◆ Drum Screens up to 18 metre diameter.
- ◆ Screening down to 2mm where required.
- ◆ Widths up to 4 metre.
- ◆ Efficient sealing system – no carry over.

On sewage applications, rotating brush gear can be fitted integrally in the spray box to give extra beneficial cleaning of the meshes for added efficiency.

Drum screens are designed to give the maximum hydraulic loading if required and substantial shafts are mounted in heavy duty roller bearings with sealing surfaces metal sprayed and ground to give long seal life. The cast iron racks mounted on the screen periphery engage with a high density nylon pinion again giving long, trouble free life. Most drum and cup screens can be fitted with two speed drives giving a normal operation of 3 to 5 metres/min. and a double higher loading speed.

On all screens the influent is sealed from the effluent by efficient flexible neoprene rubber seals suitably shielded against mechanical damage and running on high density plastic seal flats.

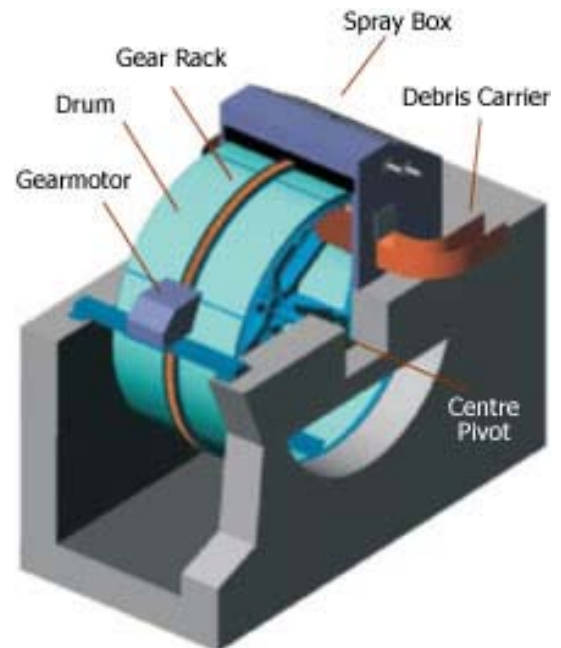


These simple but robust and substantial types of screen are used on both water and sewage applications. They are often used to screen large volumes of water on power generation intakes and other industrial applications requiring large flows.

Over many years the cup screen particularly has been used on sewage works for fine screening and sea outfall use.

Both drum and cup screen cylinders can be fitted with perforated stainless or plastic sheet for sewage work and woven wire normally for water intakes. Apertures for sewage are standard down to 5mm, and 3mm is the accepted minimum for water intakes.

Within the structure design, elevating trays lift the heavy debris to the discharge point in the debris hoppers normally situated at the operating floor level. Finer debris adhering to the perforated panels is washed into the debris hoppers by external sprays mounted inside the spray box. Debris is flushed from the hoppers by the washwater into rubbish channels at operating floor level.



In line with Company Policy of continuous product development, Adams reserve the right to modify any specification, dimension or design.

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