



**SPIRAC**<sup>®</sup>  
Solid Handling Solutions

## DRUMGUARD™

CUP & DRUM SCREEN



### FEATURES AND BENEFITS

- Screen large volumes of water.
- Perforated panels in steel or Ultra-high-molecular-weight polyethylene (UHMWPE).
- Cup Screens from 1 metre diameter.
- Drum Screens up to 18m diameter.
- Screening down to 2mm.
- Widths up to 4m.
- Efficient sealing system – no carry over.

These robust screens can be used on water and sewage applications. DRUMGUARD™ is designed to automatically and reliably filter influent water and discharge recovered debris or marine life into the appropriate handling trough.

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 Ultra-high-molecular-weight polyethylene (UHMWPE) for sewage work and woven wire normally for water intakes.

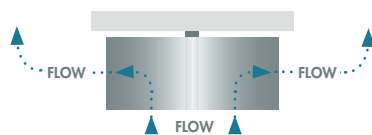
Apertures for sewage are standard down to 5mm, and 3mm is the accepted minimum for water intakes. Within the structure design, elevating trays lift the heavy debris to the discharge point in the debris hoppers normally situated at the operating floor level. Finer debris adhering to the perforated panels 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. On

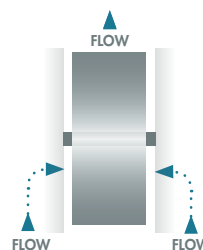
sewage applications, rotating brush gear can be fitted integrally in the spray box to give extra beneficial cleaning of the meshes for added efficiency.

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.



Cup Screen



Drum Screen

TALK TO US ABOUT YOUR SCREENING NEEDS.  
Our wide range of screens guarantees we have the right solution for you.

AUSTRALIA  
SPIRAC Pty Ltd

Western Australia (Perth)  
+61 8 9434 0777

info@spirac.com.au

NETHERLANDS  
SPIRAC BV

Maarheeze  
+31 495 430 203

info@spirac.nl

SWEDEN  
SPIRAC AB

Limhamn  
+46 40 36 22 00

info@spirac.se

UNITED KINGDOM  
SPIRAC Limited

Banbury  
+44 1 295 270 335

info@spirac.co.uk

USA  
SPIRAC (USA) Inc

Newnan GA  
+1 770 632 9833

sales@spirac.com

WWW.SPIRAC.COM