

The Mecmex™ has a semi-cylindrical screening arc, which is periodically swept on both inner and outer faces by reciprocating brushes, and can be provided with the following drive configurations;

IP 68 Motor and gearbox

Close coupled motor and gearbox mounted directly onto screen.

Hydraulic

A double acting cylinder mounted on the screen powered by a hydraulic power pack. The power pack may be sited up to 100 metres from the chamber.

EcoPowerPack

A hydraulic screen with a power pack that utilises wind and solar power to generate drive.

Pneumatic

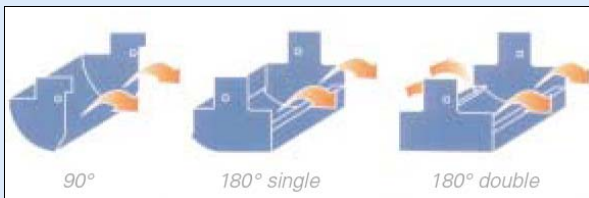
A lightweight version of the screen powered by gas cylinders requiring no external power source.



Every MecMex screen features the unique Hydrok UK wedge wire material, the screen is configured to minimize head loss which provides tremendous benefits when up-stream levels are sensitive.

The MecMex screens are cleaned using opposing brushes operating on both sides of the screening surface, with screenings continuously deposited into the continuation flow in a random fashion, eliminating the risk of large slugs of screenings accumulating in any one area.

The EcoPowerPack provides the rugged durability of a hydraulic system, yet takes its power from solar and wind energy. This provides all the benefits of mechanical screening but avoids the need for a costly mains power supply and expensive controls.



- **6mm screening in two directions**
- **Low head loss**
- AMP3 requirement achieved
- **Mechanical self cleaning reduces maintenance visits resulting in lower whole life costs**
- **Available in a variety of formats (90°,180° single or 180° double)**
- **Reliability due to simplicity**
- **In the unlikely event of mechanical failure, the screen will still operate. A degree of self cleansing will occur due to the back flushing effect**
- **Made of stainless steel for Durability**
- **Can be retro fitted**
- **Wigan tested**

Mecmex Model No.	Maximum Flow Rate (l/s)	Screen Dimensions
MM100	450	Screens are available from 1.1m, and increase in 0.5m increments. Widths are available from 800 to 1140, although special options can be readily engineered
MM150	675	
MM200	900	
MM250	1125	
MM300	1350	

Screens can be supplied in multiple modules to allow for larger flow rates. This also allows for additional weir and vent capacity to reduce maximum top water levels.

