



# Stormwater Screening Solutions

The new Mono Stormscreen is a flow powered, self cleaning screen that requires no electrical installation or running costs. Designed as an economic solution for storm overflows at inlet and chamber applications, this new design of screen offers low maintenance combined with efficient and effective screening.

## The Principle

A standard 400mm or 700mm diameter mesh drum incorporates a brush wheel, fitted with adjustable brushes. As waste water flows through the channel and into the unit, solids above 6mm are captured on the mesh. The 'screened' flow powers a paddle wheel, which is mounted below the drum. This drives the brush wheel via a belt and pulley system and the brushes clean the mesh drum, returning any solids back into the main flow.

This new screen design, with a maximum flow capacity of 810 l/sec per 2m length, offers you the following benefits:

- Self Cleaning
- Simple design - low maintenance requirements
- Efficient screening - conforms to discharge consent requirements
- Low operating head - capable of handling small flows and suits long weir installations
- Modular construction - adaptable to existing civil works
- Optional diameters and lengths suit differing weir lengths
- Integrated scum board
- Optional monitoring system offers status report and event logging



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## Materials of Construction

Mesh	6mm 304 stainless steel profile as standard
Brushes	Nylon 612 - adjustable
Body	304 stainless steel
Bearings	Sealed for Life
Scrum Board	Incorporated - 304 stainless steel

- Meets AMP 3 guidelines
- 6mm x 6mm screening aperture in two directions as standard, other mesh sizes available
- Minimum head loss
- Electrical motor drive option available
- Data logging available to monitor the events of storm spills

## Dimensions

Drum Size (mm)	Machine Width (m)	Maximum Flow Capacity (l/s)	Drum Size (mm)	Machine Width (m)	Maximum Flow Capacity (l/s)
400	0.75	118	700	0.75	305
	1.00	172		1.00	406
	1.25	214		1.25	507
	1.50	258		1.50	608
	1.75	300		1.75	710
	2.00	345		2.00	810

- Flow rates are calculated using a 6mm mesh aperture size
- Maximum weight 400mm = 260kg  
Maximum weight 700mm = 380kg
- Maximum flow dependent upon civils structure

Drum Diameter	Width	Dimensions (mm)			Drum Diameter	Width	Dimensions (mm)		
		A	B	C			A	B	C
400mm	0.75m	926	234	791	700mm	0.75m	926	330	1065
	1.00m	1176				1.00m	1176		
	1.25m	1426				1.25m	1426		
	1.50m	1676				1.50m	1676		
	1.75m	1926				1.75m	1926		
	2.00m	2176				2.00m	2176		

(N.B. Standard with 300mm scrum board)

For more details on the Mono Stormscreen please contact your nearest Mono Office:

Melbourne	T. 03 8587 4303	Sydney	T. 02 8536 0900	Brisbane	T. 07 3350 4582
Adelaide	T. 08 8447 8333	Perth	T. 08 9479 0444	Darwin	T. 08 8931 3300
Kalgoorlie	T. 08 9022 4880				
Auckland NZ	T. +64 8 829 0333	Christchurch NZ	T. +64 3 341 8379		

[ozsales@monopumps.com](mailto:ozsales@monopumps.com)  
[www.monopumps.com](http://www.monopumps.com)



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