

Glass Media Sediment Filters

High Performance Filters for Potable Water & Wastewater



C&I SERIES



Glass Media : Manufactured from 100% recycled, crushed and treated fused silicon dioxide. The unique smooth surface of glass media discourages bio-mass growth making it ideal for potable, medical and laboratory applications. Unlike other medias Glass is less likely to clump with oil and grease and cleans easily with degreasers, making it ideal for carwash filtration.

Features

- High filtration performance 5-10 micron* removal
- Filtration throughout the entire bed depth for increased contaminant retention
- High service flow with superior filtration over sand and mixed bed filters
- Long lasting media (>5 years) with low attrition
- Simple periodic backwash keeps the media clean and operating efficiently

Applications

- Potable Water Supplies
- Medical and laboratory
- Car Wash
- Cooling Towers—unequalled Turbidity removal
- RO Pretreatment for SDI reduction
- Municipal Water Treatment, pressure and gravity filters—higher flow, lower pressure drop and superior filtration performance
- Wastewater Polishing for TSS reduction
- Precipitated metals removal

Valve, Control & Configuration Options:

- Single filter or multiple-filter configuration
- Free-standing, skid-mounted or containerised systems fully plumbed and wired
- Timer, water meter, pressure differential or external signal backwash initiation
- Single or twin, timer or metered control; or alternating, sequential or parallel controls for up to four filters
- Top-mount or side-mount 3 cycle automatic valves on filters 30cm to 107cm diameter
- Hydraulic or pneumatic valves with stager and controller in Nema enclosure on filters 76cm to 160cm diameter



PERFORMANCE GUIDE

¹ FILTERS (Dia x Height) cms	inch	IN/OUT mm	² SERVICE FLOW m ³ /hr	BACKWASH FLOW m ³ /hr
30 x 130	12 x 52	25	2.2	2.2
35 x 165	14 x 65	25	2.9	2.9
40 x 165	16 x 65	40	3.8	3.8
51 x 157	21 x 62	40	6.4	6.3
61 x 183	24 x 72	40&50	8.6	8.7
76 x 183	30 x 72	50	13.4	13.5
92 x 183	36 x 72	50	19.3	19.2
107 x 183	42 x 72	100	26.2	26.1
122 x 183	48 x 72	100	34.2	34.2
160 x 170	63 x 67	150	43.3	43.2
160 x 218	63 x 86	150	53.5	53.4

¹Base and valve not included. ²Flow rates are a guide only. Higher flow rates may be achieved with low sediment and turbidity water. Lower flow rates may be required for high sediment and turbidity waters. *Guide only, filtration efficiency is dependant on raw water quality and flow rate. Minimum backwash pressure required 175kpa. Maximum inlet pressure 600 kpa with no water hammer. For open discharge (e.g. tank filling), use solenoid valve, diaphragm valve or NHWBP option to provide back-pressure when filter is backwashing. Refer Dowdens for information .

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