

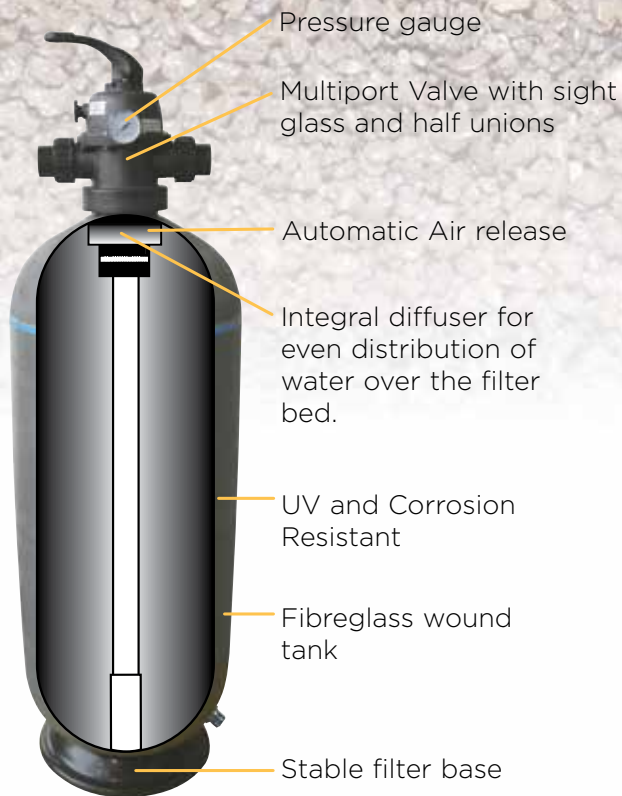
Iron-X

Superior Iron Removal & Depth Filtration

Benefits:

- Removal of Iron
- Removal of Manganese
- Low cost in Iron & Manganese treatment
- Easy backwash filter





- Pressure gauge
- Multiport Valve with sight glass and half unions
- Automatic Air release
- Integral diffuser for even distribution of water over the filter bed.
- UV and Corrosion Resistant
- Fibreglass wound tank
- Stable filter base

Maximum working temperature of 50°C

Deep Bed for Superior Filtration

W & WD filters are designed with filter depths of 600mm and 1000mm respectively, providing enhanced in depth filtration and increased dirt retention capacity.

Proven Iron and Manganese Removal

DMI-Plus catalytic surface contains Manganese Oxide that oxidizes Ferrous Bicarbonate to Ferric Hydroxide. Insoluble Ferric Hydroxide will then be removed through media surface. The catalytic surface of DMI-Plus oxidizes manganese to manganese hydroxide, in which it will be adsorbed and swapped with molecular oxygen in the lattice on catalytic surface.

DMI-Plus Physical and Chemical Characteristic

Physical Properties	Specification
Color	Brown to Black
Bulk Density	1460kg/m ³
Specific Gravity	2.69
Effective Size	0.3 - 0.6mm
Uniformity Coefficient	1.4
pH Range	5.8 - 8.6
Max Water Temp.	50°C

Technical Specification

Model	Filter	Valve Size	Inner Dia.	Filter Area	Bed Depth	Filtration Flow rate		Media Volume	Iron-X 0.3 - 0.6mm
						30m ³ /hr/m ²			
		(mm)	(mm)	(m ²)	(mm)	(lpm)	(m ³ /hr)	(litres)	(kg)
IX250	W250	40	250	0.05	600	25	1.5	41	60
IX300	W300	40	300	0.07	600	35	2.1	58	85
IX400	W400	40	400	0.13	600	65	3.9	79	115
IX500	W500	40	500	0.20	600	100	6.0	123	180
IX600	W600	40	600	0.28	600	140	8.4	175	256
IX700	W700	40	700	0.38	600	190	11.4	240	350
IXD300	WD300	40	300	0.07	1000	35	2.1	86	126
IXD400	WD400	40	400	0.13	1000	65	3.9	129	188
IXD500	WD500	40	500	0.20	1000	100	6.0	199	291
IXD600	WD600	40	600	0.28	1000	140	8.4	288	420
IXD700	WD700	40	700	0.38	1000	190	11.4	394	575
IXD900	WD900	50	900	0.64	1000	320	19.2	692	1010

*Max Filtration flow rate is 30m³/hr/m²

*Recommend backwash rate is 40-48m³/hr/m²

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