



Iron-X

Superior Iron Removal & Depth Filtration

MICRON TOP MOUNT FILTERS WITH DMI-PLUS

KEY BENEFITS

Removes Iron

Say goodbye to iron, ensuring pristine water quality for your needs.

Removes Manganese

Eliminate manganese, guaranteeing purity and safety in every drop.

Easy Cleaning

Effortlessly backwash and rinse for continuous, efficient filtration.

Low Cost Treatment for Iron and Manganese

Discover affordable treatment options for effective iron and manganese removal.

APPLICATIONS

- Residential Water Softening Systems
- Municipal Water Treatment
- Industrial Water Treatment
- Groundwater Remediation
- Boiler Feedwater Treatment
- Cooling Tower Water Treatment
- Process Water Treatment in Manufacturing Plants

FILTER SPECIFICATION

Pressure Rating

W & WD | 7.0 Bar

Max. Temperature

50 °C

Connection

Union

Max. Backwash Linear Velocity

48m³/hr/m²

Features

- Multiport Valve Operation
- Automated Valve Available (Up to maximum of 10m³/hr)
- Deep Bed Filtration
- Hydraulically balanced "Fish Tail" or "Fish Bone" laterals for filtration and backwashing efficiency

TECHNICAL SPECIFICATION

Iron-X Model	Filter Model	Measurements				Media			Standard Backwash Flow Rate
		Inner Dia.	Port Size	Filter Area	Bed Depth	Volume	Sand Weight	DMI-Plus Weight	
		mm	mm	m ²	mm	L	kg	kg	
IX250	W250	250	40	0.05	600	30	9	35	2.0
IX300	W300	300	40	0.07	600	41	12	48	2.8
IX400	W400	400	40	0.13	600	67	20	78	5.2
IX500	W500	500	40	0.20	600	105	31	122	8.0
IX600	W600	600	40	0.28	600	149	43	174	11.2
IX700	W700	700	40	0.38	600	204	60	238	15.2
IX900	W900	900	50	0.38	800	384	112	449	25.4
IX1050	W1050	1050	50	0.38	800	552	161	644	34.6
IXD300	WD300	300	40	0.07	1000	73	21	85	2.8
IXD400	WD400	400	40	0.13	1000	110	32	128	5.2
IXD500	WD500	500	40	0.20	1000	169	49	198	8.0
IXD600	WD600	600	40	0.28	1000	245	71	286	11.2
IXD700	WD700	700	40	0.38	1000	335	98	391	15.2

	Concentration (ppm)			
Iron (Fe)	0.3 - 1.0	1.0 - 5.0	5.0 - 15.0	> 15.0
Manganese (Mn)	-	-	0.5 - 1.0	1.0 - 2.0
	20.00	14.00	10.00	6.00
	Linear Velocity (m ³ /hr/m ²)			

Inner Dia.	Filtration Flow Rate (m ³ /hr)			
mm				
250	1.0	0.7	0.5	0.3
300	1.4	1.0	0.7	0.5
400	2.6	1.9	1.3	0.9
500	4.0	3.0	2.0	1.4
600	5.6	4.2	2.8	1.9
700	7.5	5.7	3.8	2.6
900	12.6	9.4	6.3	4.4
1050	17.2	12.9	8.6	6.0
	20.00	14.00	10.00	6.00
	Linear Velocity (m ³ /hr/m ²)			

Recommendations:

- Employ a sand media foundation to prevent DMI-media bypass.
- Adjust flow rates based on water yeasts for optimal treatment results, maximizing efficiency.
- 37 - 40m³/hr/m²
Slightly higher velocity, increased agitation within the media bed, suitable for backwashing.
- 41 - 48m³/hr/m²
Very high velocity, approaching the maximum limit of a filter, media may be flushed out.

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