

IMI+ Series Hydraulic Suction Scanning Screen Filter

Simple and Reliable

Rain Bird's IMI+ Series Hydraulic Suction Scanning Screen Filter provides worry free high-flow filtration. IMI+ Series self-cleaning water filters have a parallel flange configured to accommodate simple installation. Models are available as a filter unit only, or as a filter assembly including bypass plumbing and valves for fast and easy installation on site.

IMI+ Series water filters utilize a two-stage screening process. The initial stage consist of a screen for removal of oversized contaminants, while the second stage removes remaining particles, achieving filtration at your specified level. The filter's backwashing system produces a concentrated high velocity flow to systematically clean the fine sintered screen of any entrapped particulate. The IMI+ Series automatic water filters are used in a wide variety of industrial, irrigation, and municipal applications.

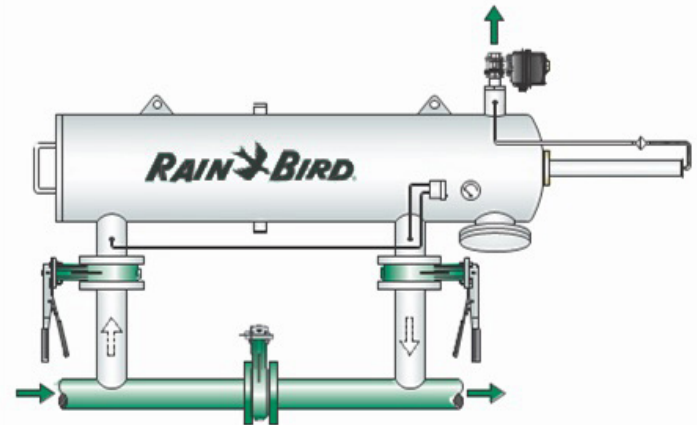
Industrial Uses

Rain Bird's Industrial filtration equipment is utilized throughout petrochemical plants, pulp & paper mills, sugar refineries, metal-works, plastics, food processing facilities, power generation, desalination plants, and more. The typical application improves water quality protecting equipment and providing pre-filtration for cooling, rinsing, process and effluent streams across a wide range of industrial facilities.

Municipal Uses

In the municipal sector, Rain Bird self-cleaning equipment is utilized both for drinking and wastewater treatment. For drinking water applications Rain Bird equipment offers effective prefiltration for Reverse Osmosis, Ultrafiltration, Microfiltration etc. Filters used in municipal wastewater facilities are generally specified at the secondary or tertiary stage of treatment.

Within each of these categories are limitless variations of water sources, filtration applications, and end uses of filtered water. Rain Bird answers the needs of each with equipment uniquely suited to new design or to accommodate existing pipelines, operating pressures, flow rates and water qualities.



Features

- Flow Rate: 15 – 7,350 gpm
- Flush cycle duration: 6 – 20 seconds
- Single electric ball valve for flushing operations
- Screen opening: 5 μ – 4000 μ
- Max Temperature: 210° F
- Flush Volume: 4 – 50 gallons per backwash
- Working pressure: 35 – 150 psi
- Material: Stainless Steel, Carbon Steel, or Duplex Stainless or Fiberglass Reinforced Plastic
- Minimum Inlet pressure during rinse cycle: 35 psi
- Available as filter only, or as a complete assembly with bypass manifold and valves
- Rain Bird controllers: F-2 110/220V AC or F-2-2-9V DC

IMI+ Series Suction Scanning Screen Filters Performance Data

Line Size (in)	Stainless Steel Model Number	Max. Flow Rate (GPM)	Sintered Screen Area (ft ²)	Sintered Screen Area (in ²)	Rinse Duration (Seconds)	Flush Volume (Gallons)	Flush Line Size (in)	Minimum Inlet Pressure During Rinse Cycle
2	I-02-A-S	200	2.65	382	10 to 30	15 to 50	1.5	35
3	I-03-A-S	300	2.65	382	10 to 30	15 to 50	1.5	35
4	I-04-A-S	500	2.65	382	10 to 30	15 to 50	1.5	35
4	I-04-B-S	500	5.25	756	10 to 30	15 to 50	1.5	35
4	I-04-C-S	500	7.00	1008	10 to 30	15 to 50	1.5	35
4	I-04-D-S	500	9.25	1332	10 to 30	35 to 110	2	35
6	I-06-A-S	650	2.65	382	10 to 30	15 to 50	1.5	35
6	I-06-B-S	1000	5.25	756	10 to 30	15 to 50	1.5	35
6	I-06-C-S	1000	7.00	1008	10 to 30	15 to 50	1.5	35
6	I-06-D-S	1000	9.25	1332	10 to 30	35 to 110	2	35
8	I-08-B-S	1400	5.25	756	10 to 30	15 to 50	1.5	35
8	I-08-C-S	1700	7.00	1008	10 to 30	15 to 50	1.5	35
8	I-08-D-S	2000	9.25	1332	10 to 30	35 to 110	2	35
10	I-10-C-S	1900	7.00	1008	10 to 30	15 to 50	1.5	35
10	I-10-D-S	2000	9.25	1332	10 to 30	35 to 110	2	35
10	I-10-E-S	2700	12.25	1764	10 to 30	35 to 110	2	35
12	I-12-D-S	2000	9.25	1332	10 to 30	35 to 110	2	35
12	I-12-E-S	3100	12.25	1764	10 to 30	35 to 110	2	35
12	I-12-F-S	3800	15.25	2196	10 to 30	35 to 110	2	35
14	I-14-E-S	3100	12.25	1764	10 to 30	35 to 110	2	35
14	I-14-F-S	3800	15.25	2196	10 to 30	35 to 110	2	35
14	I-14-G-S	4500	18.00	2592	10 to 30	35 to 110	2	35
16	I-16-E-S	3100	12.25	1764	10 to 30	35 to 110	2	35
16	I-16-F-S	3800	15.25	2196	10 to 30	35 to 110	2	35
16	I-16-G-S	4500	18.00	2592	10 to 30	35 to 110	2	35
16	I-16-H-S	6125	24.50	3528	10 to 30	35 to 110	2	35
18	I-18-F-S	3800	15.25	2196	10 to 30	35 to 110	2	35
18	I-18-G-S	4500	18.00	2592	10 to 30	35 to 110	2	35
18	I-18-H-S	6125	24.50	3528	10 to 30	35 to 110	2	35
20	I-20-G-S	4500	18.00	2592	10 to 30	35 to 110	2	35
20	I-20-H-S	7350	24.50	3528	10 to 30	35 to 110	2	35
24	I-24-H-S	7350	24.50	3528	10 to 30	35 to 110	2	35
30	I-30-H-S	7350	24.50	3528	10 to 30	35 to 110	2	35

Hydraulic Controllers	
Model	Power
F-2-110V	110/220V AC
F-2-9V	9VDC

- The flow rates shown above are based on water quality of 25 PPM or better (good quality water).
- For water with particulate load greater than 25 PPM please consult Rain Bird for appropriate flow de-rating.
- Note: Filters with bypass manifolds quoted upon request.
- Drawings of standard filter models listed above are available on industrial.rainbird.com

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