

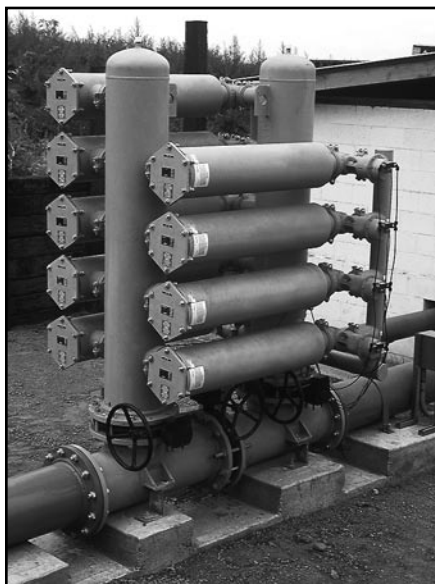
Automatic Backwashing Screen Filter The Ultimate High-Rate Screen Filtration System Ideal for Reclaim Wastewater Applications

Rain Bird's Automatic Backwashing Screen Filter provides the ultimate in high-rate screen filter performance. Powered by source line water pressure, the filter's patented backwashing valve system produces a reverse flow to flush the system of entrapped contaminants.

During the brief backwashing cycle, a portion of the clean water produced by the system is diverted to the filter unit undergoing backwashing. This reverse flow of filtered water frees contaminants from the filter screens. Each filter canister is sequentially backwashed until the entire system is cleaned.

Automatic Monitoring

This filtration system is automatically monitored either on elapsed time since the last backwashing or pressure differential. This dual monitoring offers the user the flexibility to assure that filter operation is maintained with high efficiency, low pressure drop and consistent high quality produced water. Rain Bird automatic controls are available for A/C power, D/C power and solar power applications.



Space-saving vertical configurations also available.



Rain Bird's automatic dual-monitoring system triggers the backwashing cycle, which quickly clears contaminants from the filter screens and maintains peak operating efficiency.

Long-Lasting Construction

The Automatic Backwashing Screen Filter is built for years of durable, trouble-free service. The filter canisters are constructed of carbon steel, which is fusion epoxy lined as a standard feature. The carbon steel manifolds and the cast iron backwash valve are also fusion epoxy lined.

The permanent stainless steel filter screens require no maintenance. In addition to the automatic backwashing cycle, the filter canisters and screens have no internal moving parts to wear out, break down or replace. And, the high-strength stainless steel canisters are constructed with 400 psi burst strength.

A patented backwash valve features stainless steel valve trim and a field replaceable polyurethane valve sealing element. The backwash valves also feature external lubrication fittings for easy field service. In fact, the unit is totally field rebuildable.

Basic Specifications

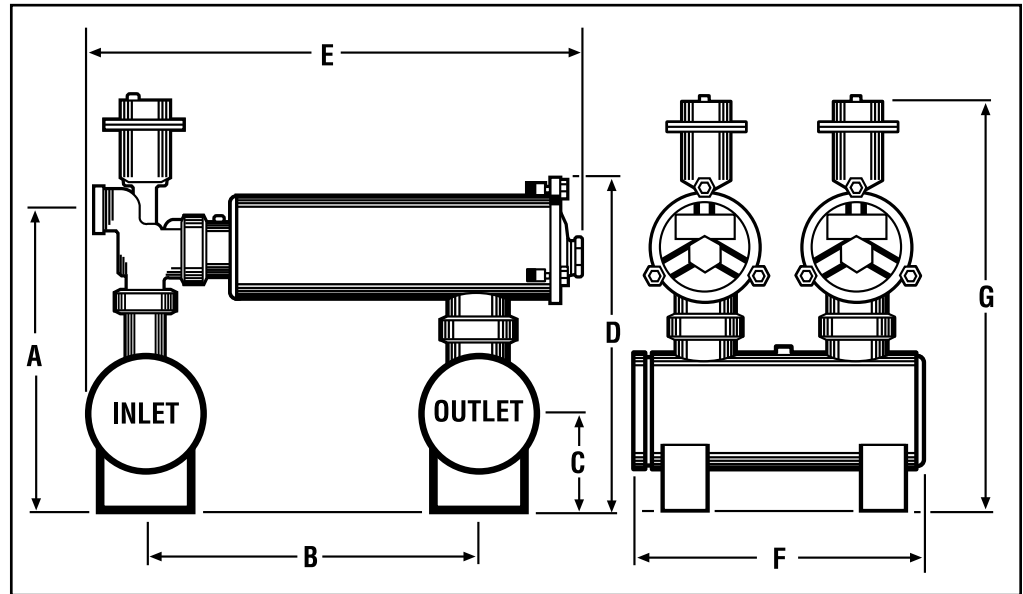
- Heavy-duty, durable, low-cost automatic screen filtration system
- Flow rates from 250 to 5,000 GPM
- Standard maximum operating pressure: 150 psi
- Rugged, permanent, stainless steel wedgewire screens available in sizes 40, 60, 80, 100 or 150 mesh
- Vertical configurations available for limited space applications
- Large screen area provides long runs between backwash cycles
- Filtered, clean water backwashing automatically initiated by time or pressure differential
- Flanged or grooved inlet and outlet configuration available
- Optional solar package and DC latching solenoid available. Solar package includes a solar panel, battery pack, metering system, wiring harness and enclosure box
- No moving parts inside the filter canister to wear out



Rain Bird's cast valves have a durable fusion epoxy lining, stainless steel construction and molded polyurethane seals.



The stainless steel filter cartridge requires no maintenance.



Automatic Backwashing Screen Filter

PERFORMANCE DATA

Model	Max. Flow		Inlet/Outlet		Flush Line		A		B		C		D		E		F		G	
	GMP	LPS	in	cm	in	cm	in	cm	in	cm	in	cm	in	cm	in	cm	in	cm	in	cm
BSF6-2	250	15,78	4	10,16	2	5,08	8 9/16	47,15	26 7/8	68,26	6	15,24	20	50,80	42 1/2	180,00	27 1/4	69,22	28	71,12
BSF8-2	450	28,40	6	15,24	2	5,08	22 5/8	57,47	24 1/8	61,28	8	20,32	25 1/16	63,66	40 1/8	101,90	28 3/4	71,75	32 1/16	81,44
BSF8-3	750	47,33	6	15,24	2	5,08	22 5/8	57,47	24 1/8	61,28	8	20,32	25 1/16	63,66	40 1/8	101,90	41 3/8	105,10	32 1/16	81,44
BSF10-2	1000	63,10	8	20,32	4	10,16	28 1/8	71,44	48 13/16	124,00	9	22,86	30 11/16	77,95	67 1/4	170,80	30 7/8	78,42	38 3/16	97,00
BSF10-3	1500	94,65	8	20,32	4	10,16	28 1/8	74,44	48 13/16	124,00	9	22,86	30 11/16	77,95	67 1/4	170,80	46 7/8	117,20	38 3/16	97,00
BSF10-4	2000	126,20	10	25,40	4	10,16	30 3/16	76,68	48 13/16	124,00	10	25,40	32 3/4	83,19	67 1/4	170,80	62 3/8	158,40	40 1/4	102,20
BSF10-5	2500	157,75	10	25,40	4	10,16	30 3/16	76,68	48 13/16	124,00	10	25,40	32 3/4	83,19	67 1/4	170,80	77 3/8	197,20	40 1/4	102,20
BSF10-6	3000	189,30	12	30,48	4	10,16	30 1/8	76,52	48 13/16	124,00	11	27,94	32 11/16	83,03	67 1/4	170,80	111	281,90	40 3/16	102,10
BSF10-7	3500	22,85	12	30,48	4	10,16	30 3/16	79,22	48 13/16	124,00	11	27,94	33 3/4	85,73	67 1/4	170,80	126 1/2	321,30	41 1/4	104,80
BSF10-8	4000	252,40	14	35,56	4	10,16	33 1/16	83,98	48 13/16	124,00	13	33,02	35 3/4	90,81	67 1/4	170,80	144	365,80	43 1/4	109,90
BSF10-9	4500	283,95	14	35,56	4	10,16	33 3/16	84,30	48 13/16	124,00	13	33,02	35 3/4	90,81	67 1/4	170,80	159 1/4	404,50	43 1/4	109,90
BSF10-10	5000	315,50	14	35,56	4	10,16	33 3/16	84,3	48 13/16	124,00	13	33,02	35 3/4	90,81	67 1/4	170,80	174 1/2	443,20	43 1/4	109,90

The maximum operating pressure is 10.34 Bar or 150 psi.

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