

Pressure-Regulating Filter (RBY or Back Flush Filter)

Unique, compact unit that combines filtration and pressure regulation in one piece for protection of downstream components in a low-volume irrigation system.

- The Pressure-Regulating (PR) Filter reduces the number of components in a control zone, making it smaller and easier to install. More control zones can fit in one valve box!
- Combination unit reduces the number of connections, making installation easier and faster.
- The PR Filter provides increased reliability--fewer parts and fewer threaded connections mean less chance of a leak both at installation and also over the life of the system.

Features

- Available in either the static RBY filter or the self-cleaning Back Flush Filter, each of these units regulates pressure to a nominal 30 or 40 psi (2,0 or 2,8 bar).
- PR RBY Filter Cap has sealing O-ring and unthreads to provide access to the filter element for easy cleaning.
- PR Back Flush Filter provides self-cleaning action with every cycle, as debris is flushed every time the system is turned on and off.
- 30 or 40 psi pressure regulator is integrated into the filter body.
- Robust body and cap are made of glass-filled polypropylene and provide 150 psi (10,3 bars) pressure rating.
- Works with all valves to create a simple, efficient control zone.
- Comes with 200 mesh (75 micron) screen pre-assembled.
- Replacement filter elements are available in 200 mesh (75 micron) and 150 mesh (100 micron).

Operating Range

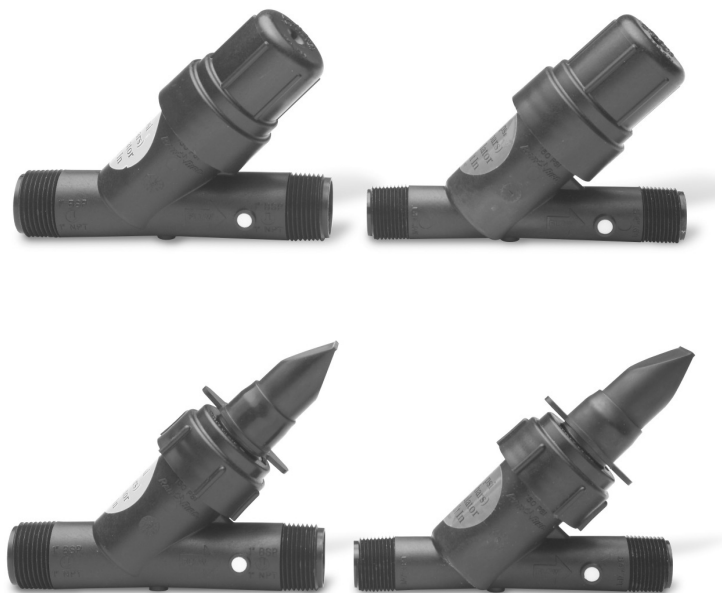
- Flow
 - 3/4" units: 0.20 to 5.0 GPM (0,8 to 18,9 l/m)
 - 1" units: 3.0 to 15.0 GPM (11,4 to 56,8 l/m)
- Inlet Pressure: 20 to 150 psi (1,4 to 10,3 bars)
- Regulated pressure:
 - 3/4" units: 30 psi (2,1 bars)
 - 1" units: 40 psi (2,8 bars)
- Filtration: 200 mesh (75 micron)

Models

- PRF-075-RBY: 3/4" PR RBY Filter
- PRF-100-RBY: 1" PR RBY Filter*
- PRF-075-BFF: 3/4" PR Back Flush Filter
- PRF-100-BFF: 1" PR Back Flush Filter*

*Available with BSP Threads

Pressure Loss Characteristics				
Flow (GPM)	PRF-075-RBY (psi)	PRF-100-RBY (psi)	PRF-075-BFF (psi)	PRF-100-BFF (psi)
0.2	3.0	N/A	3.2	N/A
1.0	4.0	N/A	4.1	N/A
3.0	6.1	0.8	6.2	0.5
5.0	10.0	2.0	10.3	2.1
8.0	N/A	3.8	N/A	4.1
10.0	N/A	5.2	N/A	5.3
15.0	N/A	12.0	N/A	12.6



Ordering Information		
Model #	Product Description	Ctn. Qty.
PRF075RBY	3/4" Pressure-Regulating Filter, RBY	1
PRF100RBY	1" Pressure-Regulating Filter, RBY	1
PRF075BFF	3/4" Pressure-Regulating Filter, Back Flush	1
PRF100BFF	1" Pressure-Regulating Filter, Back Flush	1
RBY150MX	150 Mesh Replacement Screen	1
RBY200MX	200 Mesh Replacement Screen	1