

# Pressure Regulating Filters

Drip Zone and Head Assemblies



## Commercial-grade Pressure Regulating Filters

DIG's commercial-grade pressure regulating filters are designed for use where accurate and reliable control of line pressure is required, regardless of fluctuations in upstream pressure and/or flow. Proper water pressure will help to maintain a trouble-free system for many years.

### Features

- One-piece unit combining both a filter and pressure regulator helps make installation easier and faster
- Made from high quality, industrial grade materials for long life
- Works with all valves
- Comes fully assembled with a stainless steel 155 mesh screen
- 25 PSI pressure regulator is integrated into the filter body
- Filter is easily removed for cleaning



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# Pressure Regulating Filters

## Drip Zone and Head Assemblies

### Specifications

- Operating pressure: 20 to 120 PSI
- Screen: stainless steel 155 mesh/100 micron
- Preset pressure rating: 25 PSI
- Body: glass-filled polypropylene
- Compact design – combines two units in one to allow for faster and easier installation
- All-purpose screen filter with built-in pressure regulator for use in drip irrigation or micro sprinkler systems
- One-piece construction that combines a 150-mesh stainless steel screen filter and a pressure regulator
- Reduces incoming water pressure and protects downstream drip irrigation components
- Stainless steel screen has excellent resistance to most common chemicals
- Easy maintenance – the screen can be removed from the filter for easy cleaning
- Heavy duty glass-filled polypropylene body provides reliable operation under a wide range of pressures
- Available in 3/4" or 1" with a 25- or 45-PSI pressure regulator
- Available with a 3/4" flush cap at the bottom of the filter for easy flushing
- Provides simple conversion of an AC/DC valve into a drip zone and easily fits in a valve box
- Constructed of UV-resistant, durable plastic material to withstand the most adverse conditions for years of reliable operation



**Flow rate vs. pressure - 3/4"**

Flow (GPM)	Input pressure (PSI)			
	25	50	75	100
1	23	27	30	32
2	24	26	30	32
3	23	28	28	29
4	23	27	28	31
5	24	29	26	28
6	23	28	29	32
7	23	27	30	32
8	23	28	31	32
9	24	26	30	33
10	23	26	30	31

**Flow rate vs. pressure - 1"**

Flow (GPM)	Input pressure (PSI)			
	25	50	75	100
1	23	27	24	25
2	23	26	23	27
3	23	24	22	24
4	24	24	23	26
5	24	24	27	30
6	23	23	23	26
7	21	23	22	24
8	24	24	22	24
9	23	23	26	28
21	21	24	24	27

### How to specify

Model	Description
PRF-25-075	3/4" pressure regulating filter
PRF-25-100	1" pressure regulating filter
PRF-45-075	3/4" pressure regulating filter
PRF-45-100	1" pressure regulating filter

#### Assembly with anti-siphon valve

AC-PRF-ASV-075	24 VAC solenoid - 3/4" ASV
AC-PRF-ASV-100	24 VAC solenoid - 1" ASV
305DC-PRFASV-075	305DC solenoid - 3/4" ASV (LEIT-2 & LEIT-2ET only)
305DC-PRFASV-100	305DC solenoid - 1" ASV (LEIT-2 & LEIT-2ET only)
R710DC-PRFASV-075	DC solenoid - 3/4" ASV (for 700 series controllers only)
R710DC-PRFASV-100	DC solenoid - 1" ASV (for 700 series controllers only)
710-PRFASV-075	with 710 battery controller - 3/4" ASV
710-PRFASV-100	with 710 battery controller - 1" ASV