

# FILTERS, REGULATORS & LUBRICATORS

## 27 Modular Series Filters

Filters in the 27 Modular Series are engineered to provide exceptional design and installation flexibility. 1/2 inch bodies offer higher flow rates and can be assembled together using traditional pipe nipples or clamped together using Modular Clamp kits. Optional mounting kits and a distribution block increase the flexibility of the series (see page 58).

### Specifications

Maximum Supply Pressure:  
 Plastic Bowl: ..... **.150 PSI**  
 Metal Bowl: ..... **.250 PSI**

Maximum Operating Temp.:  
 Plastic Bowl: ..... **.120° F**  
 Metal Bowl: ..... **.250° F**

Filter Element:  
 Standard: ..... **.40 Micron**  
 Optional: ..... **.5 Micron**

Materials:  
 Plastic Bowl: ..... **.Polycarbonate**  
 Metal Bowl: ..... **.Zinc Die Cast**  
 Body: ..... **.Zinc Die Cast**  
 Filter Element: ..... **.Sintered Bronze**

Height: ..... **.7 1/2"**  
 Maximum Diameter: ..... **.2 3/4"**  
 Bowl Capacity: ..... **.8.5 oz.**

### FEATURES

- ◆ 3/8", 1/2" & 3/4" port sizes.
- ◆ 40 or 5 micron filter elements.
- ◆ 8.5 oz bowl capacity.
- ◆ Bowl guard supplied as standard.
- ◆ Metal bowl available with or without sightglass.
- ◆ Automatic drain option.



### Options:

Options	Suffix
Automatic Drain	<b>D</b>
Metal Bowl Without Sightglass	<b>M</b>
Metal Bowl With Sightglass	<b>S</b>
5 Micron Element	<b>X</b>

Options are indicated by adding a dash followed by the corresponding suffix(es) in alphabetical order to the model number.

### Ordering Information:

Pipe Size	Model
3/8"	<b>27F3</b>
1/2"	<b>27F4</b>
3/4"	<b>27F6</b>

Supply Pressure	Pressure Drop				
	1	2	3	4	5
3/8" at 25 PSI	29	43	46	50	52
1/2" at 25 PSI	30	45	59	63	65
3/8" at 100 PSI	44	60	75	90	110
1/2" at 100 PSI	58	76	97	117	127

**SCFM**

Note: All values are approximate.

**WARNING:** Although polycarbonate bowls are capable of withstanding extreme physical abuse, they are susceptible to damage and may possibly burst when subjected to certain cleaning products and synthetic oils, particularly phosphate esters. Should there be any questions regarding their compatibility with your applications, consult the factory or use a metal bowl.

## 27 Modular Series Coalescing Filters

### Specifications

Maximum Supply Pressure:  
 Plastic Bowl: ..... **.150 PSI**  
 Metal Bowl: ..... **.250 PSI**

Maximum Operating Temp.:  
 Plastic Bowl: ..... **.120° F**  
 Metal Bowl: ..... **.250° F**

Materials:  
 Plastic Bowl: ..... **.Polycarbonate**  
 Metal Bowl: ..... **.Zinc Die Cast**  
 Body: ..... **.Zinc Die Cast**

Height: ..... **.7 1/2"**  
 Maximum Diameter: ..... **.2 3/4"**  
 Bowl Capacity: ..... **.8.5 oz.**

### FEATURES

- ◆ Removes 99.97% of solids and fluids down to .3 microns.
- ◆ Bowl guard supplied standard.
- ◆ 8.5 oz bowl capacity.
- ◆ Easy hands only filter element replacement.
- ◆ Automatic drain and metal bowl options.



### Options:

Options	Suffix
Automatic Drain	<b>D</b>
Metal Bowl Without Sightglass	<b>M</b>
Metal Bowl With Sightglass	<b>S</b>

Options are indicated by adding a dash followed by the corresponding suffix(es) in alphabetical order to the model number.

### Ordering Information:

Pipe Size	Model
3/8"	<b>27C3</b>
1/2"	<b>27C4</b>
3/4"	<b>27C6</b>

SCFM at 1.5 PSID Pressure Drop			
Supply Pressure	SCFM	Supply Pressure	SCFM
10 PSI	6.5	60 PSI	19.5
20 PSI	9.1	80 PSI	22.2
30 PSI	11.7	100 PSI	24.8
40 PSI	14.3	120 PSI	27.4
50 PSI	16.9	140 PSI	30.0

Note: All values are approximate.

**WARNING:** Although polycarbonate bowls are capable of withstanding extreme physical abuse, they are susceptible to damage and may possibly burst when subjected to some cleaning products and synthetic oils, particularly phosphate esters. Should there be any questions regarding their compatibility with your applications, consult the factory or use a metal bowl.

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