

# 83 & 84 Series In Line Filter

Rated for applications up to 30,000 PSI and flows up to 40 GPM

Follow table To configure the part number for the assembly or replacement element you wish to order.

## Assembly Code

**G83 - 8 J 8 F N - 10WE**

Housing Material	
Code	Description
G83	316 Stainless (3000 PSI)
S83	303 Stainless (3000 PSI)
P84	17-4 Stainless (6000 PSI)
P8410K	17-4 Stainless (10,000 PSI)
P8420K	17-4 Stainless (20,000 PSI)
P8430K	17-4 Stainless (30,000 PSI)

Element Code		
Code	Description	Abs.
3MD	Microglass	3
6MD	Microglass	6
12MD	Microglass	12
10WE	SS Wire mesh	10
18WE	SS Wire mesh	18
25WE	SS Wire mesh	25
40WE	SS Wire mesh	40
75WE	SS Wire mesh	75
150WE	SS Wire mesh	150

Note: Collapse rating for microglass is 3250 PSID. Collapse rating for wire mesh is 4500 PSID.

Port Size	
Code	Description
2	1/8"
4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"
1MP	1/4" MP
2MP	3/8" MP
4HP	1/4" HP
6HP	3/8" HP

Note: MP and HP ports are available for 10,000+ PSI assemblies only.

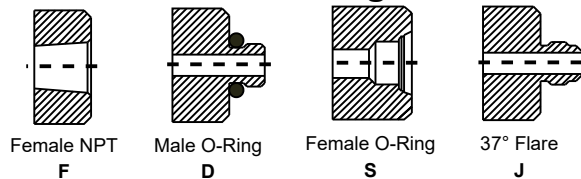
Fitting Type	
Code	Description
D	Male o-ring
F	Female pipe
J	37° Flare/J Fitting
S	Female o-ring

Note: Omit fitting type if configuring for 10,000+ PSI applications. **Manufacturer's note:** The Female o-ring port (S) is machined to SAE AS5202 (MS33649). 37° Flare port (J) is machined to AS4395 (MS33656)

O-Ring Type		
Code	Description	Temperature
N	Nitrile (Buna)	-40 to 250°F
N9	Nitrile 90 Durometer	-40 to 250°F
V	Viton	-20 to 400°F
V9	Viton 90 Durometer	-20 to 400°F
E	EPR	-60 to 300°F
K	Kalrez	-40 to 550°F
S	Teflon coated Viton	-10 to 300°F
T	Teflon	-320 to 450°F

Note: For Kalrez types, add number to code (example: K-7075)

## End Fittings



Note: The Female o-ring (S) is machined to SAE AS5202 (MS33649). 37° Flare(J) is machined to AS4395 (MS33656)

## Element Size

Element Size	1" Hex or 1.25" Rnd		1.50" Hex or 1.75" Rnd		1.50" Hex or 1.75" Rnd		2" Hex or 2.25" Rnd		2.5" Rnd	
	711	712	712	713	713	715	715	716	716	
<b>Port Type</b>	Size	OAL	Size	OAL	Size	OAL	Size	OAL	Size	OAL
Female NPT	1/8"	4.81"	1/8"	4.75"	1/4" & 3/8"	6"	1/2"	7.75"	3/4"	8.75"
Male o-ring	1/4"	4.12	3/8"	4.25"	1/2"	5.5"	3/4"	7"	1"	8.25"
Female o-ring	-4	4.81"	-6	4.75"	-8	6"	-12	7.75"	-16	8.75"
37° Flare	-4	4.12"	-6	4.25"	-8	5.5"	-12	7	-16	8.25"
<b>Flow</b>	2.5 GPM 155 SCFM		6 GPM 295 SCFM		10 GPM 550 SCFM		16 GPM 1150 SCFM		40 GPM 1625 SCFM	

Note: Flows are approximate rated using oil at 150 SSU and Air at 3000 PSIG.

## Specifications

- Ports: 1/8" to 1" various port options
- Flow: Up to 40 GPM
- Pressure: Up to 30,000 PSI



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