

**General Description:** Parker F Series Inline Filters are designed for protection of instrumentation systems from undesirable materials. Component changes or repair and maintenance can admit dirt, chips, scale, or other contaminants to the small bore tubing.

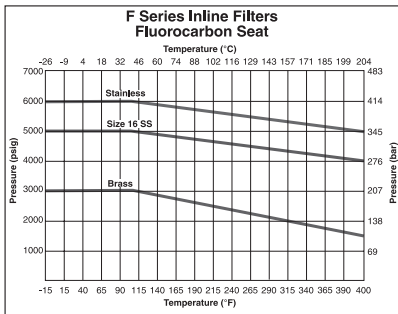
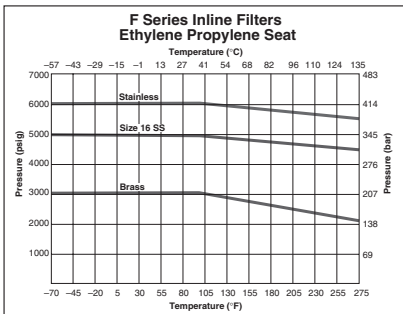
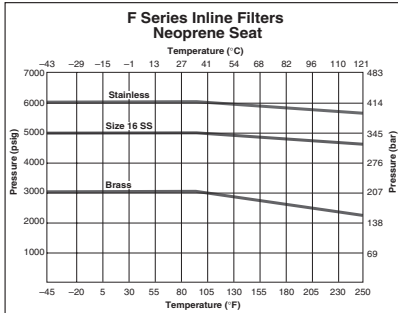
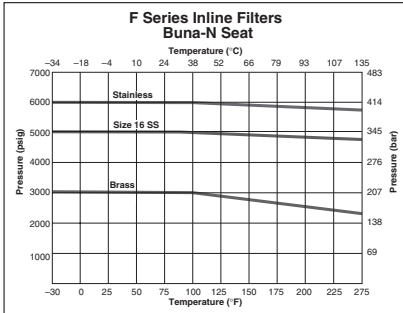
**Features:**

- Compact inline design with large filtration area
- Stainless steel and brass construction
- Replaceable sintered 316 stainless steel filter element
- Standard sintered metal micron ratings: 1, 5, 10, 50, and 100
- Optional 250 and 450 micron wire cloth filter elements
- Port connections include male and female NPT, CPI™, A-LOK®, UltraSeal, VacuSeal, BSP, SAE, and Seal-Lok®
- Heat code traceability

**Specifications:**

<b>Pressure Rating:</b>	
316 SS—1/8" to 3/4":	6000 psig CWP
1":	5000 psig CWP
All sizes with PTFE Seals:	4000 psig CWP
Brass— 1/8" to 1":	3000 psig CWP
<b>Temperature Rating:</b>	
Fluorocarbon Rubber	-15°F to +400°F
Buna-N Rubber	-30°F to +275°F
Ethylene Propylene Rubber	-70°F to +275°F
Neoprene Rubber	-45°F to +250°F
PTFE	-65°F to +400°F
Highly Fluorinated Fluorocarbon Rubber	-15°F to +200°F

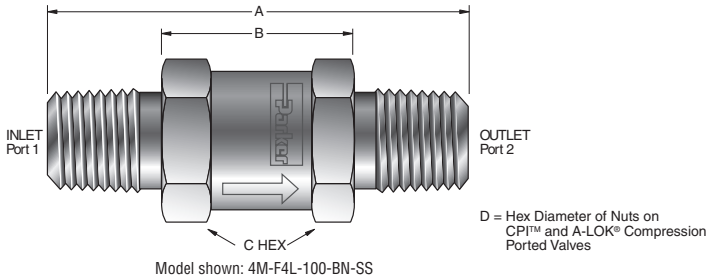
**PRESSURE VS. TEMPERATURE**



Note: To determine MPa, multiply bar by 0.1

**INLINE FILTERS**

**F SERIES**



Part No.	End Connections		Dimensions			
	Inlet (Port 1)	Outlet (Port 2)	A† (in.)	B (in.)	C (in.)	D (in.)
2A-F2L	1/8" A-LOK® Compression	1/8" A-LOK® Compression	2.29	1.09	.625	.438
2F-F2L	1/8" Female NPT	1/8" Female NPT	1.86	–	.625	–
2M-F2L	1/8" Male NPT	1/8" Male NPT	1.77	1.01	.625	–
2Z-F2L	1/8" CPI™ Compression	1/8" CPI™ Compression	2.29	1.09	.625	.438
2M2A-F2L	1/8" Male NPT	1/8" A-LOK® Compression	2.03	1.06	.625	.438
2M2F-F2L	1/8" Male NPT	1/8" Female NPT	1.82	1.44	.625	–
2M2Z-F2L	1/8" Male NPT	1/8" CPI™ Compression	2.03	1.06	.625	.438
4A-F4L	1/4" A-LOK® Compression	1/4" A-LOK® Compression	2.42	1.03	.750	.563
4F-F4L	1/4" Female NPT	1/4" Female NPT	2.40	–	.750	–
4M-F4L	1/4" Male NPT	1/4" Male NPT	2.18	1.04	.750	–
4Q-F4L	1/4" UltraSeal	1/4" UltraSeal	1.97	1.04	.750	–
4V-F4L	1/4" VacuSeal	1/4" VacuSeal	2.22	0.98	.750	–
4Z-F4L	1/4" CPI™ Compression	1/4" CPI™ Compression	2.42	1.03	.750	.563
4M4A-F4L	1/4" Male NPT	1/4" A-LOK® Compression	2.31	1.04	.750	.563
4M4F-F4L	1/4" Male NPT	1/4" Female NPT	2.29	1.72	.750	–
4M4Z-F4L	1/4" Male NPT	1/4" CPI™ Compression	2.32	1.05	.750	.563
6A-F6L	3/8" A-LOK® Compression	3/8" A-LOK® Compression	3.27	1.75	1.000	.688
6F-F6L	3/8" Female NPT	3/8" Female NPT	3.03	–	1.000	–
6M-F6L	3/8" Male NPT	3/8" Male NPT	2.96	1.82	1.000	–
6Q-F6L	3/8" UltraSeal	3/8" UltraSeal	2.75	1.80	1.000	–
6V-F6L	3/8" VacuSeal	3/8" VacuSeal	3.56	2.05	1.000	–
6Z-F6L	3/8" CPI™ Compression	3/8" CPI™ Compression	3.27	1.75	1.000	.688
6M6A-F6L	3/8" Male NPT	3/8" A-LOK® Compression	3.14	1.81	1.000	.688
6M6F-F6L	3/8" Male NPT	3/8" Female NPT	3.04	2.47	1.000	–
6M6Z-F6L	3/8" Male NPT	3/8" CPI™ Compression	3.14	1.81	1.000	.688

Note: Optional wire cloth filter elements may slightly alter dimensions A and B on filters with combination end connections.  
†For CPI™ and A-LOK®: Dimensions are measured with nuts in the finger tight position.

(Continued on next page.)

**INLINE FILTERS**

**F SERIES (continued)**

Part No.	End Connections		Dimensions			
	Inlet (Port 1)	Outlet (Port 2)	A† (in.)	B (in.)	C (in.)	D (in.)
8A-F8L	1/2" A-LOK® Compression	1/2" A-LOK® Compression	4.08	2.34	1.250	.875
8F-F8L	1/2" Female NPT	1/2" Female NPT	3.56	–	1.250	–
8M-F8L	1/2" Male NPT	1/2" Male NPT	3.56	2.05	1.250	–
8Q-F8L	1/2" UltraSeal	1/2" UltraSeal	3.28	2.33	1.250	–
8V-F8L	1/2" VacuSeal	1/2" VacuSeal	3.56	2.05	1.250	–
8Z-F8L	1/2" CPI™ Compression	1/2" CPI™ Compression	4.08	2.34	1.250	.875
8M8A-F8L	1/2" Male NPT	1/2" A-LOK® Compression	3.82	2.19	1.250	.875
8M8F-F8L	1/2" Male NPT	1/2" Female NPT	3.56	2.80	1.250	–
8M8Z-F8L	1/2" Male NPT	1/2" CPI™ Compression	3.82	2.19	1.250	.875
12A-F12L	3/4" A-LOK® Compression	3/4" A-LOK® Compression	4.34	2.60	1.375	1.125
12F-F12L	3/4" Female NPT	3/4" Female NPT	4.09	–	1.375	–
12M-F12L	3/4" Male NPT	3/4" Male NPT	4.09	2.58	1.375	–
12Q-F12L	3/4" UltraSeal	3/4" UltraSeal	3.78	2.64	1.375	–
12V-F12L	3/4" VacuSeal	3/4" VacuSeal	4.64	2.64	1.375	–
12Z-F12L	3/4" CPI™ Compression	3/4" CPI™ Compression	4.34	2.60	1.375	1.125
12M12A-F12L	3/4" Male NPT	3/4" A-LOK® Compression	4.22	2.59	1.375	1.125
12M12F-F12L	3/4" Male NPT	3/4" Female NPT	4.09	3.34	1.375	–
12M12Z-F12L	3/4" Male NPT	3/4" CPI™ Compression	4.22	2.59	1.375	1.125
16A-F16L	1" A-LOK® Compression	1" A-LOK® Compression	4.63	2.53	1.625	1.500
16F-F16L	1" Female NPT	1" Female NPT	4.84	–	1.625	–
16M-F16L	1" Male NPT	1" Male NPT	4.52	2.63	1.625	–
16Z-F16L	1" CPI™ Compression	1" CPI™ Compression	4.63	2.53	1.625	1.500
16M16A-F16L	1" Male NPT	1" A-LOK® Compression	4.57	2.58	1.625	1.500
16M16F-F16L	1" Male NPT	1" Female NPT	4.69	3.74	1.625	–
16M16Z-F16L	1" Male NPT	1" CPI™ Compression	4.57	2.58	1.625	1.500

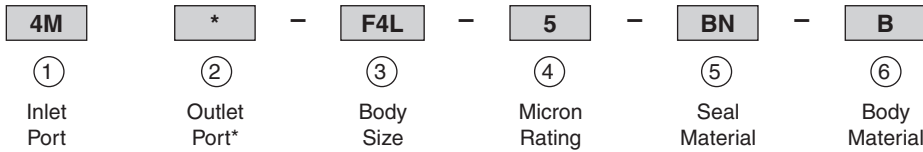
†For CPI™ and A-LOK®, dimensions are measured with nuts in the finger tight position.  
‡Tested in accordance with ISA S75.02. Gas flow will be choked when  $P_1 - P_2 / P_1 = x_c$ .

**HOW TO ORDER**

The correct part number is easily derived from the following sequence. The six product characteristics required are coded as shown below.

\*Note: If the inlet and outlet ports are the same, eliminate the outlet port designator.

**EXAMPLE:**



Describes an F Series Inline Filter with 1/4" male NPT inlet and outlet ports, a 5 micron element, Buna-N seal and brass body construction.

① Inlet Port	② Outlet Port*	③ Body Size	④ Micron Rating	⑤ Seal Material	⑥ Body Material
2A, 2F, 2M, 2Z	2A, 2F, 2M, 2Z	F2L	1 micron 5 micron 10 micron 50 micron 100 micron 250 micron 450 micron	<b>Blank</b> — Fluorocarbon Rubber	<b>B</b> — Brass  <b>SS</b> — 316 Stainless Steel
4A, 4F, 4M, 4Q, 4V, 4Z	4A, 4F, 4M, 4Q, 4V, 4Z	F4L		<b>BN</b> — Buna-N Rubber	
6A, 6F, 6M, 6Q, 6V, 6Z	6A, 6F, 6M, 6Q, 6V, 6Z	F6L		<b>EPR</b> — Ethylene Propylene Rubber	
8A, 8F, 8M, 8Q, 8V, 8Z	8A, 8F, 8M, 8Q, 8V, 8Z	F8L		<b>NE</b> — Neoprene Rubber	
12A, 12F, 12M, 12Q, 12V, 12Z	12A, 12F, 12M, 12Q, 12V, 12Z	F12L		<b>*T</b> — PTFE	
16A, 16F, 16M, 16Z	16A, 16F, 16M, 16Z	F16L		<b>KZ</b> — Highly Fluorinated Fluorocarbon Rubber	

\* Only available with stainless steel valves.