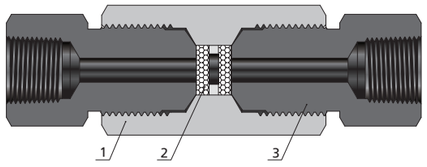
10FD Series

Pipe Dual-Disc Line Filters

Features

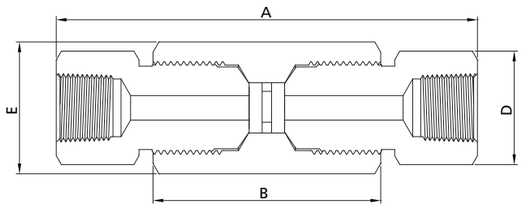
- Pipe Dual-Disc Line Filters are utilized in chemical processing, aerospace, nuclear and other applications.
- The large contaminant particles are filtrated by upstream element. The rest of contaminant particles are filtrated by downstream element.
- Compact design.
- Easy to replace filter element.
- Standard sizes of downstream/upstream nominal pore are 5/10, 10/35 and 35/65 µm. Other element combinations are available on special order.
- Element nominal pore size: The element nominal pore size is normally calculated from the pressure required to cause air to bubble from the largest pore in the filter element when submerged in a test liquid.
- Working temperature: -60°F to 400°F (-50°C to 204°C)
- Pressure differential not to exceed 1000 psig (69 bar) in a flowing condition.

Standard Materials of Construction



Item	Component	Valve Material
1	Body	316 SS/A479
2	Filter Element	Sintered 316 SS
3	Gland Nut	316 SS/A479
	Lubricant	Molybdenum disulfide

Technical Data and Dimensions



Ordering Number	Connection Type	Orifice in. (mm)	Nominal Pore Size	Effective Filter Element Area in.² (mm²)	A	B	D (Hex)	E (Hex)	Pressure @ Room Temperature psig (bar)
					in. (mm)				
10FDSS-FNS12-0510	FNS12	0.36 (9.1)	5/10	0.44 (286.5)	6.13 (155.6)	3.50 (88.9)	1.50 (38.1)	1.75 (44.5)	10,000 (690)
10FDSS-FNS12-1035			10/35						
10FDSS-FNS12-3565			35/65						
10FDSS-FNS16-0510	FNS16	0.44 (11.1)	5/10	0.89 (572.6)	6.68 (169.7)	3.63 (92.1)	1.75 (44.5)	1.88 (47.7)	10,000 (690)
10FDSS-FNS16-1035			10/35						
10FDSS-FNS16-3565			35/65						

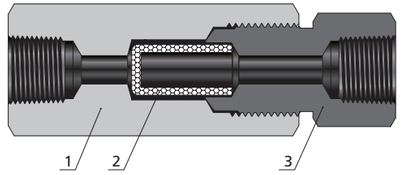
10FC Series

Pipe Cup-Type Line Filters

Features

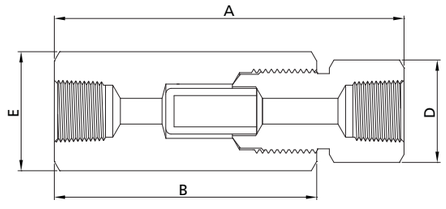
- Compact design.
- The filter elements can be quickly and easily replaced.
- Pipe Cup-Type Line Filters are recommended in high pressure systems requiring both maximum filter surface area and high flow rates. Cup-Type Line Filters are widely used in chemical processing and industrial fields. The cup design of this filter offers about six times the effective filter area as compared to disc-type units.
- Nominal pore sizes for filter element: 5, 35 and 65 µm.
- Element nominal pore size: The element nominal pore size is normally calculated from the pressure required to cause air to bubble from the largest pore in the filter element when submerged in a test liquid.
- Working temperature: -60°F to 400°F (-50°C to 204°C)
- Pressure differential not to exceed 1000 psig (69 bar) in a flowing condition.

Standard Materials of Construction



Item	Component	Valve Material
1	Body	316 SS/A479
2	Filter Element	Sintered 316 SS
3	Gland Nut	316 SS/A479
	Lubricant	Molybdenum disulfide

Technical Data and Dimensions



Ordering Number	Connection Type	Orifice in. (mm)	Nominal Pore Size	Effective Filter Element Area in.² (mm²)	A	B	D (Hex)	E (Hex)	Pressure @ Room Temperature psig (bar)
					in. (mm)				
10FCSS-FNS12-5	FNS12	0.52 (13.1)	5	2.65 (1709.7)	5.14 (130.6)	3.87 (98.4)	1.50 (38.1)	1.75 (44.5)	10,000 (690)
10FCSS-FNS12-35			35						
10FCSS-FNS12-65			65						
10FCSS-FNS16-5	FNS16	0.69 (17.5)	5	5.00 (3225.8)	6.39 (162.3)	4.87 (123.8)	1.75 (44.5)	1.88 (47.7)	10,000 (690)
10FCSS-FNS16-35			35						
10FCSS-FNS16-65			65						

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