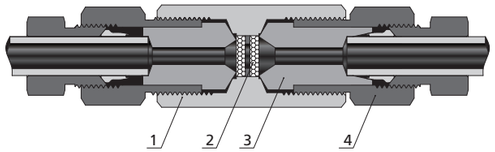
15FD Series

Dual-Disc Line Filters

Features

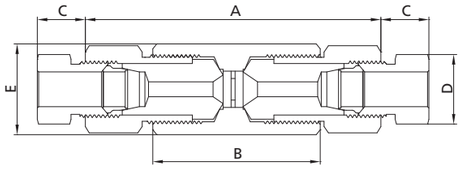
- Tube sizes available for 1/8", 1/4", 3/8" and 1/2".
- Dual-Disc Line Filters are utilized in chemical processing, aerospace, nuclear and other applications.
- The large contaminant particles are filtrated by upstream element. The rest of contaminant particle are filtrated by downstream element.
- Compact 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 660°F (-50°C to 350°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	Cover	316 SS/A479
4	Gland Nut	316 SS/A479
	Lubricant	Molybdenum disulfide

Technical Data and Dimensions



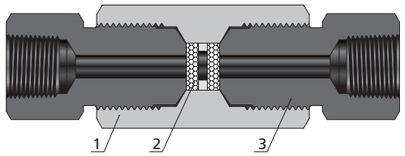
Ordering Number	Connection Type	Orifice in. (mm)	Nominal Pore Size	Effective Filter Element Area in.² (mm²)	A	B	C	D (Hex)	E (Hex)	Pressure @ Room Temperature psig (bar)
					in. (mm)					
15FDSS-FH2-0510	FH2	0.09 (2.4)	5/10	0.06 (38.7)	2.38 (60.5)	1.50 (38.1)	0.44 (11.2)	0.37 (9.5)	0.63 (15.9)	15,000 (1034)
15FDSS-FH2-1035			10/35							
15FDSS-FH2-3565			35/65							
15FDSS-FH4-0510	FH4	0.13 (3.2)	5/10	0.15 (96.8)	3.17 (80.4)	2.00 (50.8)	0.52 (13.3)	0.63 (15.9)	0.81 (20.6)	15,000 (1034)
15FDSS-FH4-1035			10/35							
15FDSS-FH4-3565			35/65							
15FDSS-FH6-0510	FH6	0.13 (3.2)	5/10	0.15 (96.8)	3.36 (85.3)	2.19 (55.6)	0.54 (13.6)	0.75 (19.1)	1.00 (25.4)	15,000 (1034)
15FDSS-FH6-1035			10/35							
15FDSS-FH6-3565			35/65							
15FDSS-FH8-0510	FH8	0.19 (4.8)	5/10	0.25 (161.3)	4.30 (109.1)	2.94 (74.6)	0.60 (15.3)	0.94 (23.8)	1.18 (30.0)	15,000 (1034)
15FDSS-FH8-1035			10/35							
15FDSS-FH8-3565			35/65							

Pipe Dual-Disc Line Filters

Features

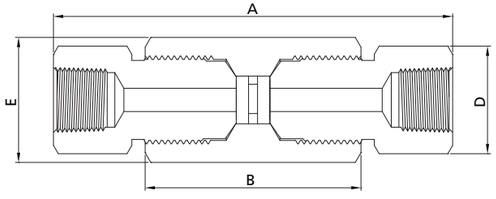
- Pipe Dual-Disc Line Filters are utilized in chemical processing, aerospace, nuclear and other applications.
- The large contaminant particles are filtrated by upstream element. The rest of contaminant particles are filtrated by downstream element.
- Compact design.
- Easy to replace filter element.
- 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)				
15FDSS-FNS2-0510	FNS2	0.09 (2.4)	5/10	0.06 (38.7)	2.79 (70.8)	1.50 (38.1)	0.63 (15.9)	0.63 (15.9)	15,000 (1034)
15FDSS-FNS2-1035			10/35						
15FDSS-FNS2-3565			35/65						
15FDSS-FNS4-0510	FNS4	0.13 (3.2)	5/10	0.15 (96.8)	3.93 (99.7)	2.19 (55.6)	0.94 (23.8)	1.00 (25.4)	15,000 (1034)
15FDSS-FNS4-1035			10/35						
15FDSS-FNS4-3565			35/65						
15FDSS-FNS6-0510	FNS6	0.19 (4.8)	5/10	0.25 (161.3)	4.83 (122.7)	2.94 (74.6)	1.13 (28.6)	1.19 (30.2)	15,000 (1034)
15FDSS-FNS6-1035			10/35						
15FDSS-FNS6-3565			35/65						
15FDSS-FNS8-0510	FNS8	0.31 (7.9)	5/10	0.25 (161.3)	5.27 (133.8)	2.94 (74.6)	1.38 (35.0)	1.38 (35.0)	15,000 (1034)
15FDSS-FNS8-1035			10/35						
15FDSS-FNS8-3565			35/65						

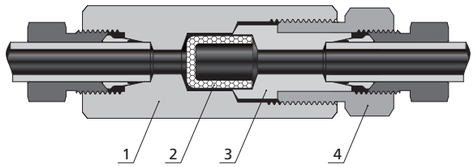
15FC Series

Cup-Type Line Filters

Features

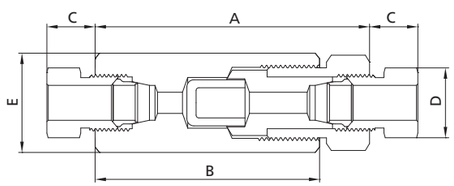
- Tube sizes available for 1/4", 3/8" and 1/2".
- Compact design.
- The filter elements can be quickly and easily replaced.
- Cup-Type Line Filters are recommended in high pressure systems requiring both maximum filter surface area and high flow rates. Cup-Type Line Filters are widely used in chemical 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 660°F (-50°C to 350°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	Cover	316 SS/A479
4	Gland Nut	316 SS/A479
	Lubricant	Molybdenum disulfide

Technical Data and Dimensions



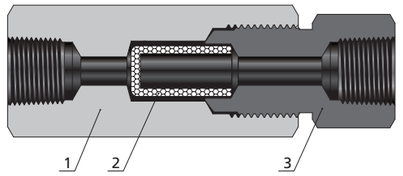
Ordering Number	Connection Type	Orifice in. (mm)	Nominal Pore Size	Effective Filter Element Area in.² (mm²)	A	B	C	D (Hex)	E (Hex)	Pressure @ Room Temperature psig (bar)
					in. (mm)					
15FCSS-FH4-5	FH4	0.19 (4.8)	5	0.81 (522.6)	3.18 (80.8)	2.56 (65.0)	0.52 (13.3)	0.63 (15.9)	0.81 (20.6)	15,000 (1034)
15FCSS-FH4-35			35							
15FCSS-FH4-65			65							
15FCSS-FH6-5	FH6	0.31 (7.9)	5	0.81 (522.6)	3.56 (90.4)	3.00 (76.2)	0.54 (13.6)	0.75 (19.1)	1.00 (25.4)	15,000 (1034)
15FCSS-FH6-35			35							
15FCSS-FH6-65			65							
15FCSS-FH8-5	FH8	0.44 (11.1)	5	1.53 (987.1)	4.18 (106.2)	3.50 (88.9)	0.60 (15.3)	0.94 (23.8)	1.38 (35.1)	15,000 (1034)
15FCSS-FH8-35			35							
15FCSS-FH8-65			65							

Pipe Cup-Type Line Filters

Features

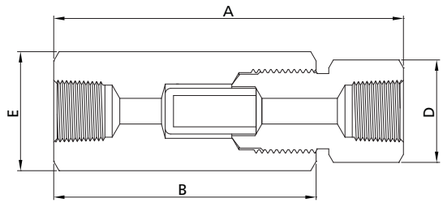
- Compact design.
- The filter elements can be quickly and easily replaced.
- Pipe Cup-Type Line Filters are recommended in high pressure systems requiring both maximum filter surface area and high flow rates. Cup-Type Line Filters are widely used in chemical processing and industrial fields. The cup 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)				
15FCSS-FNS2-5	FNS2	0.13 (3.2)	5	0.37 (235.6)	2.58 (65.6)	1.94 (49.2)	0.63 (15.9)	0.63 (15.9)	15,000 (1034)
15FCSS-FNS2-35			35						
15FCSS-FNS2-65			65						
15FCSS-FNS4-5	FNS4	0.31 (7.9)	5	0.81 (522.6)	3.62 (92.0)	2.75 (69.9)	0.94 (23.8)	1.00 (25.4)	15,000 (1034)
15FCSS-FNS4-35			35						
15FCSS-FNS4-65			65						
15FCSS-FNS6-5	FNS6	0.31 (7.9)	5	0.81 (522.6)	3.66 (93.0)	2.75 (69.9)	1.13 (28.6)	1.13 (28.6)	15,000 (1034)
15FCSS-FNS6-35			35						
15FCSS-FNS6-65			65						
15FCSS-FNS8-5	FNS8	0.44 (11.1)	5	1.53 (987.1)	4.55 (115.6)	3.37 (85.7)	1.38 (35.0)	1.38 (35.0)	15,000 (1034)
15FCSS-FNS8-35			35						
15FCSS-FNS8-65			65						