

# Compact Filter Silencers

## FS Series 1/2" - DN150 BSPT, Flange



### Features

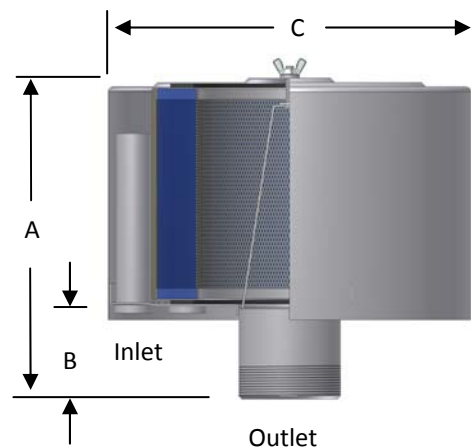
- Fully drawn weatherhood - no welds to rust or vibrate apart
- Tubular silencing design - tubes are positioned to maximize attenuation and air flow while minimizing pressure drop
- Durable carbon steel construction with baked enamel finish & powder coated weatherhood

### Technical Specifications

- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 37-50 mbar over initial  $\Delta P$
- Pressure drop graphs available upon request
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron

### Options

- 1/8" tap hole (only available for 3" & larger connections)
- Pressure drop indicator (See page 3-12)
- Various media for different environments
- Stainless steel construction
- Epoxy coated finish
- Special connections
- Side Access Silencer Filters (LQB Series) for space restricted enclosures (select models)



*Tidbit:* Charlie Solberg Sr. "Senior" designed our first filter silencer in 1966. The FS-15 size filter was created for small air compressors.



### Outlet Connections

Outlet Size	Outlet Type	Assembly m <sup>3</sup> /h Rating	Assembly Part Number		Dimensions - mm			No. of Silencing Tubes	Approx. Weight kg	Replacement Element Part No.		Element m <sup>3</sup> /h Rating
			Polyester	Paper	A	B	C			Polyester	Paper	
1/2"	MPT	17	FS-15-050	FS-14-050	102	38	152	1	0.8	15	14	60
3/4"	MPT	43	FS-15-075	FS-14-075	102	38	152	2	0.9	15	14	60
1"	MPT	60	FS-15-100	FS-14-100	102	38	152	3	0.9	15	14	60
1"	MPT	94	FS-19P-100	FS-18P-100	168	41	152	3	1.4	19P	18P	170
1 1/4"	BSPT	119	FS-19P-126	FS-18P-126	168	41	152	5	1.5	19P	18P	170
1 1/2"	BSPT	145	FS-19P-151	FS-18P-151	168	41	152	5	1.6	19P	18P	170
2"	BSPT	230	FS-31P-201	FS-30P-201	184	57	254	5	3.5	31P	30P	332
2"	BSPT	230	FS-231P-201	FS-230P-201	311	57	254	5	6.3	231P	230P	510
2 1/2"	BSPT	332	FS-31P-251	FS-30P-251	191	64	254	5	3.7	31P	31P	332
2 1/2"	BSPT	332	FS-231P-251	FS-230P-251	318	64	254	9	6.5	231P	230P	510
3"	BSPT	510	FS-231P-301	FS-230P-301	330	76	254	9	6.8	231P	230P	510
3"	BSPT	510	FS-235P-301	FS-234P-301	330	76	406	9	13	235P	234P	970
3"	BSPT	510	FS-275P-301	FS-274P-301	330	76	406	9	15	275P	274P	1870
4"	BSPT	885	FS-235P-401	FS-234P-401	356	102	406	9	14	235P	234P	970
4"	BSPT	885	FS-275P-401	FS-274P-401	356	102	406	9	15	275P	274P	1870
5"	BSPT	1360	FS-245P-501	FS-244P-501	356	102	406	14	15	245P	244P	1500
5"	BSPT	1360	FS-275P-501	FS-274P-501	356	102	406	14	16	275P	274P	1870
6"	BSPT	1870	FS-275P-601	FS-274P-601	394	133	406	18	17	275P	274P	1870

See Filter Silencer Technical Data section for sizing guidelines.

Dimension tolerance ± 6 mm

Note: MPT threaded housings are interchangeable with BSPT up to 1".

### PN10 Pattern Flange Outlet Connections

Flange Outlet	Assembly m <sup>3</sup> /h Rating	Assembly Part Number		Dimensions - mm			No. of Silencing Tubes	Approx. Weight kg	Replacement Element Part No.		Element m <sup>3</sup> /h Rating
		Polyester	Paper	A	B	C			Polyester	Paper	
DN80	510	FS-235P-DN80	FS-234P-DN80	330	76	406	9	13	235P	234P	970
DN80	510	FS-275P-DN80	FS-274P-DN80	330	76	406	9	15	275P	274P	1870
DN100	885	FS-235P-DN100	FS-234P-DN100	356	102	406	9	15	235P	234P	970
DN100	885	FS-275P-DN100	FS-274P-DN100	356	102	406	9	18	275P	274P	1870
DN125	1360	FS-245P-DN125	FS-244P-DN125	356	102	406	14	17	245P	244P	1500
DN125	1360	FS-275P-DN125	FS-274P-DN125	356	102	406	14	18	275P	274P	1870
DN150	1870	FS-275P-DN150	FS-274P-DN150	394	133	406	18	19	275P	274P	1870

See Filter Silencer Technical Data section for sizing guidelines.

Dimension tolerance ± 6 mm

PN10 Pattern Flange	Dimensions - mm			No. of Holes	Flange Thickness
	O.D.	B.C.	B.H.		
DN 80	200	160	18	8	20
DN100	220	180	18	8	20
DN125	250	210	18	8	22
DN150	285	240	22	8	22

