

# ST Series Silencers



ST Silencers - male and female threads

VDF 250-ST4A-2

### Features:

- Straight-through design
- Felt liner provides low frequency sound
- Male and female connections
- 18 models

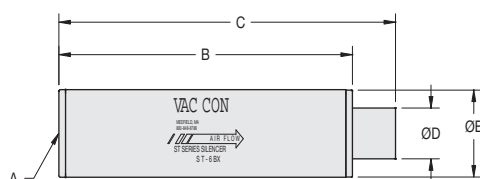
### Benefits:

- Reliable – straight through design – non-clogging
- Maximize performance – silences pneumatic equipment without back pressure
- Increase productivity and operator safety – reduces irritating noise, improves working environment
- Increase savings – reduces maintenance costs, increases equipment life

The ST Series Silencers are designed with a straight through flow path that eliminates clogging by allowing the contaminants to pass directly through the silencer. Each silencer is tuned in proportion to its exhaust flow to minimize noise.

As air passes through the silencer, the dense felt element absorbs the noise, thus reducing high pitch exhaust noise to a gentle, low frequency sound. Even in the most adverse conditions, contaminants pass through the silencer making the ST Series ideal for silencing vacuum pumps that are continuously ingesting dirt and debris.

## ST Series Silencers: Female Threads



ST Series - female threads

Model #	Dimensions						Weight	Construction		Noise Level
	A	B	C	D	E	Body		Element		
ST4AX	in.	1/4"	3.19	3.56	0.50	1.00	1.8 oz	Anodized Aluminum	Felt	75dB
	mm.	NPT F	81.0	90.4			51 g			
ST6BX	in.	3/8"	4.19	4.82	[12.7]	[25.4]	3.4 oz			77dB
	mm.	NPT F	106.4	122.4			96 g			
ST16FC	in.	1"	6.39	7.14	1.25	2.00	7.6 oz	80dB		
	mm.	NPT F	162.3	181.4			215 g			
ST24FC	in.	1 1/2"	7.10	7.85	[31.8]	[50.8]	7.9 oz	82dB		
	mm.	NPT F	180.3	199.4			224. g			

### ST Series Silencers Specifications:

**Max. Operating Pressure:** Not to exceed 150 psig

**Noise level:** Measured 4.5 ft on the diagonal from the silencer while attached to a Vaccon pump. Noise levels will vary on Vaccon and non-Vaccon products.

**Note 1:** Vaccon strongly recommends the use of silencers on all vacuum pumps.

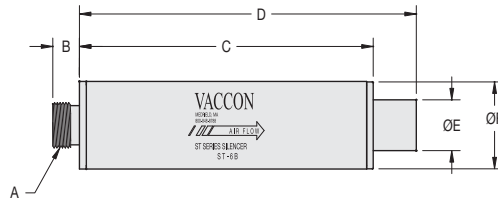
**Note 2:** Vaccon silencers are used on all types of pneumatic devices i.e. air-operated vacuum pumps, air motors, valves, cylinders and more.

**Note 3:** ST Silencers may be used on all Vaccon vacuum pumps.

### How to Specify:

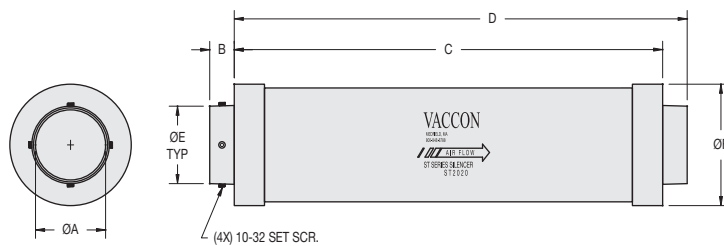
- **For Silencer only:** Order by Model #.
- **Vaccon pump/silencer combinations:** Vaccon pumps include a silencer(s) that has been sized to ensure maximum pump performance. See specific pump for silencer options.
- **Non-Vaccon pneumatic devices:** The thread size on the exhaust port of the pneumatic device determines the size of the silencer.
- Equipment and applications may vary. Consult factory for proper silencer selection.

## ST Series Silencers: Male Threads



Model #	Dimensions							Weight	Construction		Noise Level
		A	B	C	D	E	F		Body	Element	
ST2	in.	1/8"	0.30	0.63	1.00	0.20	0.63	0.2 oz	Acetal	N/A	68dB
	mm.	NPS M		16.0	25.4	5.1	16.0	6 g			
ST4	in.	1/4"	7.6	1.49	1.86	0.35	0.75	0.6 oz	Acetal	N/A	68dB
	mm.			37.8	47.2	8.9	19.1	17 g			
ST4A	in.	1/4"	0.37	3.19	3.56	0.50	1.00	1.8 oz	Anodized Aluminum	Felt	70dB
	mm.			81.0	90.4			51 g			
ST4A-2	in.	1/4"	9.4	2.18	2.56	[12.7]	25.4	1.4 oz	Anodized Aluminum	Felt	72dB
	mm.			55.4	65.0			40 g			
ST6A	in.	3/8"	0.38	3.19	3.56	0.50	1.00	1.8 oz	Anodized Aluminum	Felt	72dB
	mm.			81.0	90.4			51 g			
ST6B	in.	3/8"	9.7	4.19	4.82	0.72	1.25	3.1 oz	Anodized Aluminum	Felt	74dB
	mm.			106.4	122.4	18.3	31.8	88 g			
ST8A	in.	1/2"	9.7	3.19	3.56	0.50	1.00	1.8 oz	Anodized Aluminum	Felt	74dB
	mm.			81.0	90.4	12.7	25.4	51 g			
ST8B	in.	1/2"	9.7	4.19	4.82	0.72	1.25	3.1 oz	Anodized Aluminum	Felt	76dB
	mm.			106.4	122.4	18.3	31.8	88 g			
ST12C	in.	3/4"	12.7	6.18	6.93	1.25	2.00	7.8 oz	Anodized Aluminum	Felt	80dB
	mm.							221 g			
ST16C	in.	1"	12.7	[157.0]	[176.0]	[31.8]	[50.8]	7.7 oz	Anodized Aluminum	Felt	80dB
	mm.							218 g			

Note: All NPS threads fit G Port threads



Model #	Dimensions							Weight	Construction		Noise Level
		A	B	C	D	E	F		Body	Element	
ST2020	in.	Ø 1.99	0.70	12.23	12.93	2.21	3.46	11 oz	PVC	Foam	82dB
	mm.							311 g			
ST2020-5	in.	Ø 1.24	17.8	310.6	328.4	56.1	87.9	13.3 oz	PVC	Foam	82dB
	mm.							377 g			
ST2020-7	in.	Ø 1.49	17.8	310.6	328.4	56.1	87.9	12.7 oz	PVC	Foam	82dB
	mm.							360 g			