

# 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

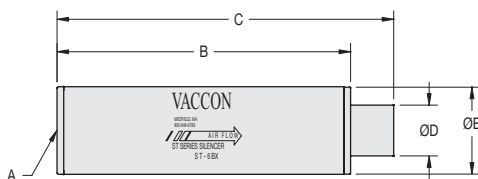
### Benefits:

- 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			[12.7]				[25.4]	51g				
ST6BX	in.	3/8"	4.19	4.82	0.72	1.25	3.4 oz				Anodized Aluminum	Felt	77dB			
	mm.	NPT F	106.4	122.4			[18.3]							[38.1]	96g	
ST8BX	in.	1/2"	4.19	4.80	.73	1.25	3.1 oz							Anodized Aluminum	Felt	76dB
	mm.	NPT F	106.4	121.9			[18.5]									
ST16FC	in.	1"	6.39	7.14	1.25	2.00	7.6 oz	Anodized Aluminum	Felt	80dB						
	mm.	NPT F	162.3	181.4			[31.8]									
ST24FC	in.	1 1/2"	7.10	7.85	1.25	2.00	7.9 oz				Anodized Aluminum	Felt	82dB			
	mm.	NPT F	180.3	199.4			[31.8]									

### ST Series Silencers Specifications:

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

**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.

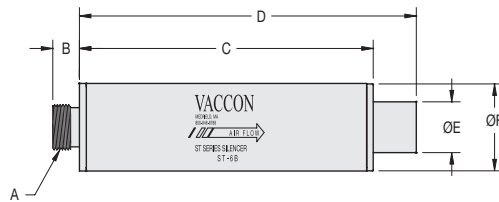
**Note 2:** Vaccon silencers are used on all types of pneumatic devices i.e. air-operated vacuum pumps, air motors, valves, cylinders and more.

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

### How to Specify:

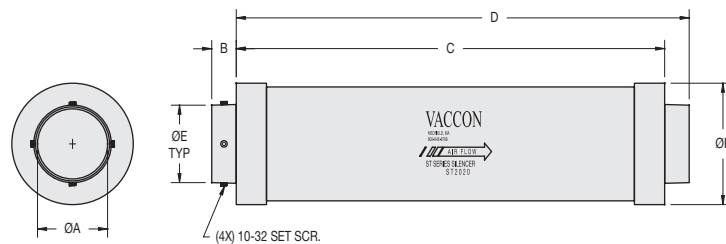
- **For Silencer only:** Order by Model #.
- **Vaccon pump/silencer combinations:** Vaccon pumps include a silencer(s) that has been sized to ensure maximum pump performance. See specific pump for silencer options.
- **Non-Vaccon pneumatic devices:** The thread size on the exhaust port of the pneumatic 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	0.44	0.2 oz	Acetal	N/A	68dB			
	mm.	NPS M		16.0	25.4	5.1	11.2	6g						
ST4	in.	1/4"	7.6	1.49	1.86	0.35	0.75	0.6 oz						
	mm.			37.8	47.2	8.9	19.1	17g						
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			51g						
ST4A-2	in.	3/8"	9.4	2.18	2.56			12.7		25.4	1.4 oz			
	mm.			55.4	65.0						40g			
ST6A	in.	3/8"	0.38	3.19	3.56			0.72		1.25	1.8 oz			
	mm.			81.0	90.4						51g			
ST6B	in.	1/2"	9.7	4.19	4.82	18.3	31.8	3.1 oz						
	mm.			106.4	122.4			88g						
ST8A	in.	1/2"	0.34	3.19	3.56	0.50	1.00	1.8 oz						
	mm.			81.0	90.4			12.7	25.4	51g				
ST8B	in.	3/4"	8.6	4.19	4.82	18.3	31.8	3.1 oz						
	mm.			106.4	122.4			88g						
ST12C	in.	1"	12.7	6.18	6.93	1.25	2.00	7.8 oz						
	mm.			[157.0]	[176.0]	[31.8]	[50.8]	221g						
ST16C	in.	1"	0.50	6.18	6.93	1.25	2.00	7.7 oz						
	mm.			[157.0]	[176.0]	[31.8]	[50.8]	218g						

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.							17.8			
ST2020-5	in.	Ø 1.24	17.8	310.6	56.1	87.9	377g	13.3 oz			
	mm.							12.7 oz			
ST2020-7	in.	Ø 1.49	12.7	360g				12.7 oz			
	mm.							360g			