

Victory Series Mufflers

Type VSM



The VSM Series mufflers reduce compressor pulsations in the discharge gas line which can induce vibration and create noise or cause system damage.

The compact design reduces lay-in requirements while the unique shape outperforms standard mufflers with smoother fluid flow. Multiple size products are available to reduce noise and pulsation.



Specifications:

- 650 psi (45 bar) Maximum Rated Pressure
- 500 hour salt spray per ASTM B117
- UL Recognized component, File SA1756 – SNOY2/SNOY8, cURus
- Multiple patents pending
- RoHS and REACH Compliant
- No CE marking according to Art. 3.3 PED 97/23 EC.

Features and Benefits:

- Suitable for use with all HCFC, HFC, HFO and blends
- Suitable for use with Subcritical CO₂ (R-744) applications
- Unique spherical shape minimizes pressure drop while maximizing performance
- Robust steel shell for vibration, pressure pulsation, and shock resistance
- Solid copper fittings for easy brazing
- High performance epoxy powder paint for excellent corrosion protection

Selection Guidelines:

MODEL	CONNECTION SIZE (Inches)	RECOMMENDED APPLICATION Tonnage (kW)
VSM-043S	3/8	<1 (<3.5)
VSM-083S	3/8	<1.5 (<5.3)
VSM-084S	1/2	1-4 (3.5-14)
VSM-163S	3/8	<1.5 (<5.3)
VSM-164S	1/2	2-6 (7.0-18)
VSM-165S	5/8	5-10 (18-35)

The guideline provides a baseline for system testing. Multiple models may need to be evaluated to optimize sound performance since each system has specific variables and sound frequencies to be attenuated.



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Dimensions

Inches

MODEL	CONNECTION SIZE Inches	OVERALL LENGTH		SOLDER SOCKET DEPTH	LAY-IN LENGTH	BODY DIAMETER
		SAE FLARE	ODF SOLDER			
VSM-043S	3/8	—	2.91	0.42	2.07	2.23
VSM-083S	3/8	—	3.38	0.42	2.54	2.77
VSM-084S	1/2	—	3.64	0.55	2.54	
VSM-163S	3/8	—	3.97	0.42	3.13	3.46
VSM-164S	1/2	—	4.23	0.54	3.15	
VSM-165S	5/8	—	4.49	0.66	3.17	

mm

MODEL	CONNECTION SIZE Inches	OVERALL LENGTH		SOLDER SOCKET DEPTH	LAY-IN LENGTH	BODY DIAMETER
		SAE FLARE	ODF SOLDER			
VSM-043S	3/8	—	73.9	10.7	52.5	56.6
VSM-083S	3/8	—	85.9	10.7	64.5	70
VSM-084S	1/2	—	92.5	14.0	64.5	
VSM-163S	3/8	—	100.8	10.7	79.4	88
VSM-164S	1/2	—	107.4	13.7	80.0	
VSM-165S	5/8	—	114.0	16.8	80.4	

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