

DISCHARGE LINE MUFFLERS

The function of a Discharge Line Muffler is to reduce pressure pulsations downstream of the Compressor.

Applications

The Muffler is designed to be installed directly after the compressor. Henry Technologies' Discharge Line Mufflers are suitable for use with HCFC and HFC refrigerants, and their associated oils, as well as other industrial fluids non-corrosive to steel and copper.

How it works

The Muffler reduces noise, due to gas pulsations, by allowing the gas to expand inside muffler chambers. Mufflers have internal baffles which are designed to dampen and smooth out low and high frequency compressor gas sound waves.

Main Features

- ODS connections
- Sound reduction
- Robust design
- Bi-directional flow

Technical Specifications

Maximum working pressure = 450 PSI (31 Bar)

Allowable operating temperature = +32°F to +250°F (0°C to +121°C)

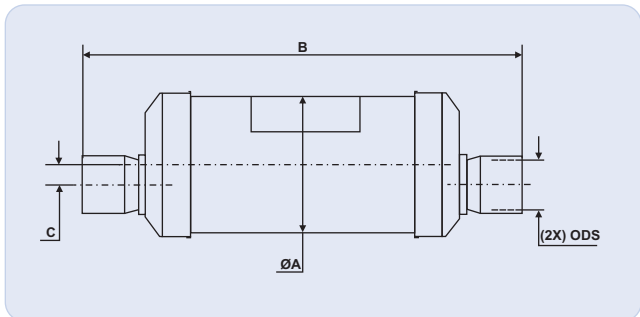
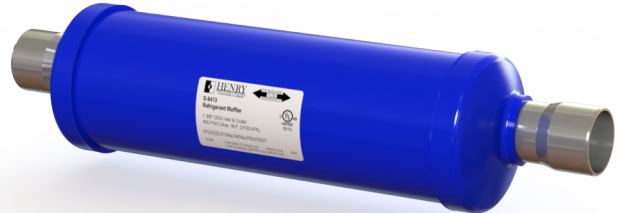
Discharge Line Mufflers are UL and C-UL Listed by Underwriters Laboratories, Inc. Additionally, larger sized Discharge Line Mufflers can be CE marked in accordance with PED. See table below.

Materials of Construction

The main body and internal baffles are made from carbon steel. The connections are made from plated carbon steel.

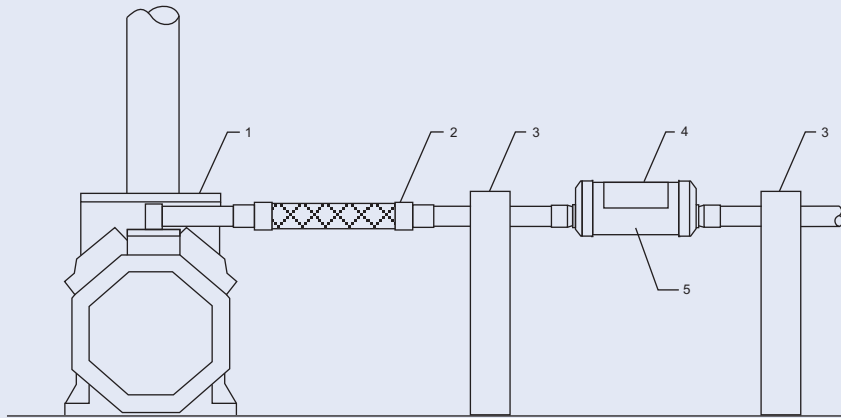
Selection Guidelines

Select a muffler with a connection size that matches or exceeds the discharge line size. Larger mufflers will tend to remove more pulsations due to the larger internal volume.



Part No	ODS (inch)	Dimensions (inch)			CE Cat*	Weight (lbs)
		ØA	B	C		
S-6304	1/2	3.0	7.75	0.75	SEP	2.34
S-6305	5/8	3.0	7.75	0.75	SEP	2.38
S-6307	7/8	3.0	9.69	0.44	SEP	2.76
S-6311	1 1/8	3.0	9.69	0.44	SEP	2.91
S-6405	5/8	4.0	6.75	0.94	SEP	3.57
S-6407	7/8	4.0	7.00	0.94	SEP	3.57
S-6411	1 1/8	4.0	12.75	0.94	CAT I	5.07
S-6413	1 3/8	4.0	13.75	0.94	CAT I	5.78
S-6415	1 5/8	4.0	18.25	0.75	CAT I	7.39
S-6621	2 1/8	6.0	21.00	1.25	CAT II	18.08
S-6625	2 5/8	6.0	21.00	1.00	CAT II	19.84
S-6631	3 1/8	6.0	22.38	0.75	CAT II	19.84

*Cat I and II CE models available by adding "-CE" suffix to the part number (i.e. S-6411-CE)



- ❶ Compressor
- ❷ Outlet ODS
- ❸ Support
- ❹ Muffler direction/orientation label
- ❺ Muffler

CORRECT MUFFLER SUPPORT

Installation - Notes

1. Install the Muffler as close as possible to the compressor and before the oil separator.
2. When mounted in a horizontal or angled position, the side with the label must be top center to help prevent oil collection inside the Muffler. Oil inside the Muffler will reduce the performance along with causing a loss of oil in the compressor crankcase. Positioning the Muffler at a slight angle so that the outlet port is below the inlet will also help prevent oil collection. Mufflers that are mounted vertically will not collect oil.
3. A Vibration Eliminator should be installed between the compressor and the Muffler to prevent transmitted vibration. The Muffler should be supported at each side to prevent discharge pipe vibration, due to the weight of the Muffler.
4. Mufflers will only remove noise due to discharge gas pulsations. If the noise is due to vibration, Vibration Eliminators should be added to the discharge line and possibly the suction line.
5. A single Muffler may be installed on a common discharge line. However, it is also acceptable to install one Muffler per compressor on parallel racks.