Dry All®

Full Range of HVAC&R Line Products

MAKE IN INDIA

Vibration Absorbers

Vibration Absorbers

Full Range of HVAC&R Line Products

Introduction

Vibration absorber are designed for installation in the suction and discharge line of Air conditioning and refrigeration system to absorb the transmission of compressor-induced vibrations through system tubing.
Stainless Steel (SS) Corrugated Tubing in the Vibration Absorber, increases its flexibility and vibration absorbing capacity for longer duration. This corrugated Stainless Steel tubing is covered with high tensile wire braid for superior strength and durability. To make brazing procedure easy, Vibration Absorber are provided with copper ends.

Key Features

Triple Fusing & Joining Method

Dry All DAVA series Vibration Absorber undergoes triple fusing and joining action while bringing the flexible metal hose and the copper ends together. The first brazing attaches the copper ending to the adaptor ring while the second weld attaches the adaptor ring to the flexible hose. The third weld attaches the steel braiding and the ferrule to the adaptor ring.

Applications

- Heat Pumps
- Residential Air Conditioning
- Commercial Chillers
- Walk in Coolers & Freezers.
- Rack Refrigeration's
- Transport Refrigeration
- Bus Air-conditioning

Materials

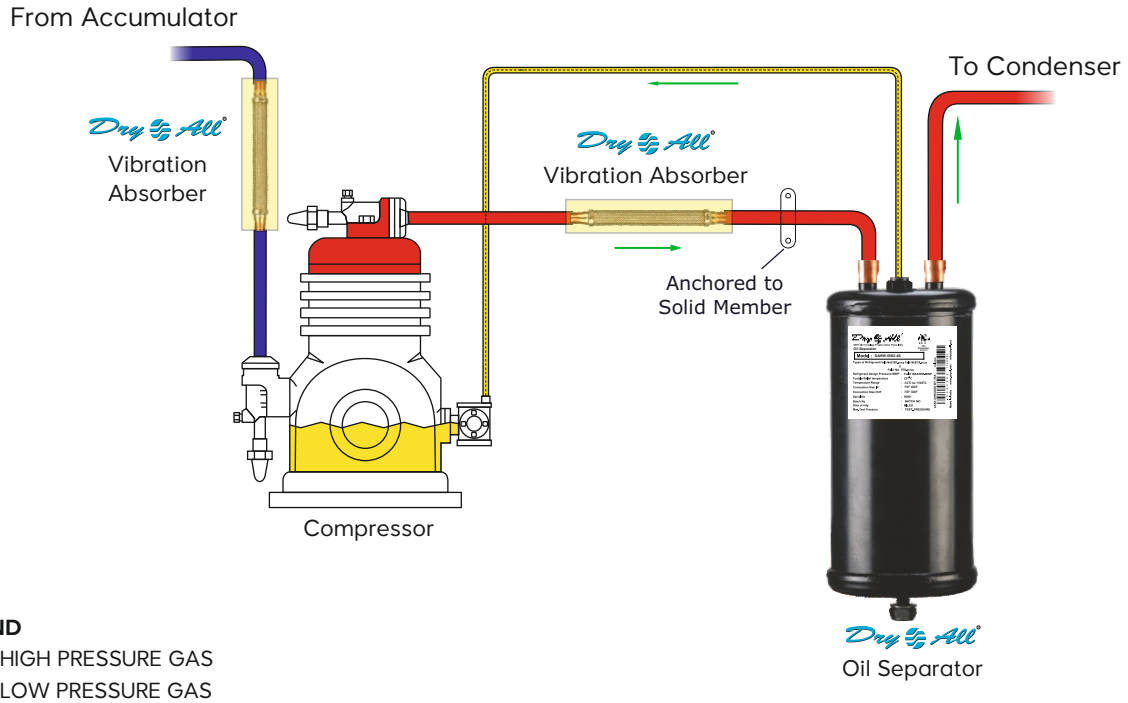
Hose Assembly components	Dry All material grade for Vibration Absorber
Corrugated Metal Hose	SS 304
Braided wire	SS 316L
Ferrule	SS 304

Compliances

RoHS AND REACH COMPLIANCE:

Dry All Vibration Absorbers are RoHS (Restriction of hazardous substances) as well as REACH (Registration, Evaluation, Authorization and Restriction of Chemicals) Compliant products.

Product Installed in Refrigeration Cycle



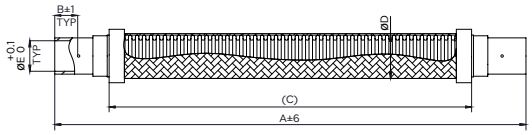
Performance Characteristics

	Technical Details
Connection Size	1/4" ODF to 3-1/8" ODF
Max Pressure Rating	230psig to 650psig, depending upon the sizes
Operating Temperature	-40°C to 150°C
Material of Construction	Stainless Steel Construction with Copper Connections

Image & Technical Data

IMAGE

DRAWING 1



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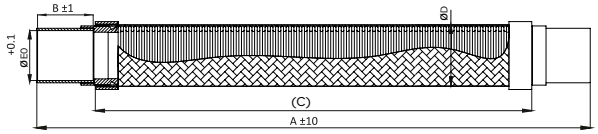
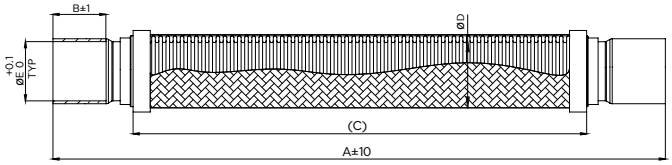


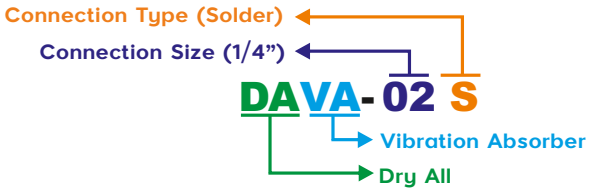
DRAWING 3



Model Available

Sr. No.	Model No.	Connection size	Dimensions								MWP (psig)	Drawing No.
			A		B		C		ØD			
			mm	inch	mm	inch	mm	inch	mm	inch		
1	DAVA-02S	1/4" ODF	206	8.11	10	0.39	146	5.75	18.2	0.72	650	Drawing 1
2	DAVA-03S	3/8" ODF	210	8.27	12	0.47	156	6.14	18.2	0.72	650	
3	DAVA-04S	1/2" ODF	224	8.82	12	0.47	166	6.54	23.5	0.93	650	
4	DAVA-05S	5/8" ODF	247	9.72	12	0.47	190	7.48	23.5	0.93	650	
5	DAVA-06S	3/4" ODF	263	10.4	12	0.47	207	8.15	28.2	1.11	650	
6	DAVA-07S	7/8" ODF	299	11.8	15	0.59	230	9.06	33.8	1.33	650	
7	DAVA-09S	1-1/8" ODF	327	12.9	15	0.59	257	10.1	43	1.69	600	
8	DAVA-11S	1-3/8" ODF	388	15.3	40	1.57	306	12	43	1.69	550	Drawing 2
9	DAVA-13S	1-5/8" ODF	400	15.7	28	1.1	320	12.6	51.3	2.02	300	Drawing 3
10	DAVA-17S	2-1/8" ODF	520	20.5	65	2.56	390	15.4	70.4	2.77	230	Drawing 2
11	DAVA-21S	2-5/8" ODF	610	24	75	2.95	460	18.1	86.8	3.42	230	
12	DAVA-25S	3-1/8" ODF	680	26.8	80	3.15	520	20.5	103	4.07	230	

Nomenclature



Technical Data

Sr. No.	Model No.	Connection size	Maximum Working Pressure	Working Temperature	Refrigerants
1	DAVA-02S	1/4" ODF	650 Psig	-40°C to +150°C	CFC, HCFC & HFC R12, R134a, R22, R404A, R407C, R410A, R500, R502, R507.
2	DAVA-03S	3/8" ODF			
3	DAVA-04S	1/2" ODF			
4	DAVA-05S	5/8" ODF			
5	DAVA-06S	3/4" ODF			
6	DAVA-07S	7/8" ODF			
7	DAVA-09S	1-1/8" ODF	600 Psig		
8	DAVA-11S	1-3/8" ODF	550 Psig		
9	DAVA-13S	1-5/8" ODF	510 Psig		
10	DAVA-17S	2-1/8" ODF	230 Psig		
11	DAVA-21S	2-5/8" ODF			
12	DAVA-25S	3-1/8" ODF			

Installation Guideline

- Vibration Absorber should be installed as close as possible to the compressor or vibration source.
- Always install Vibration Absorber perpendicular to the major axis of vibration.
- Secure the refrigerant line or piping to a solid member which is near the end of the vibration absorber furthest from the vibration source.
- Make sure there is enough gap to minimize static compression and tension of the Vibration Absorber after brazing.
- Vibration absorbers should always be installed in a straight line.
- Be careful while making the sweat connection. Avoid disturbing the braze joints which have a melting point of 885°C.
- While brazing make sure the torch flames are away from the body of the vibration absorber (and away from human contact).
- Atier brazing wipe excess flux or other chemicals from the system to avoid corrosion.
- Use of chlorides should be avoided, chlorides can cause attrition and failure of the Vibration Absorber.

Note: Dry All reserves the right to alter its products without notice and will not accept any responsibility for possible errors in catalogues, brochures and other printed materials. Imitation / reproduction of information from this catalogue in part or whole cannot be done without prior approval in writing from our company.

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Genuine Product

Dry All®

Full Range of HVAC&R Line Products

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