

Copper & Stainless Steel Vibration Absorbers



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Copper & Stainless Steel Vibration Absorbers

Functions

The function of vibration absorber is to eliminate vibrations and noises compressor generates, and reduce stresses linked with piping thermal expansion in refrigeration and air conditioning system.

Applications

VAS are used in both the suction and discharge lines of air-conditioning and refrigeration systems.

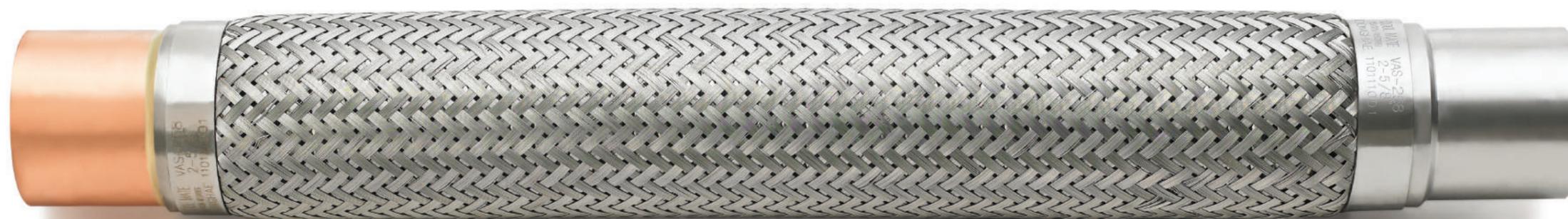
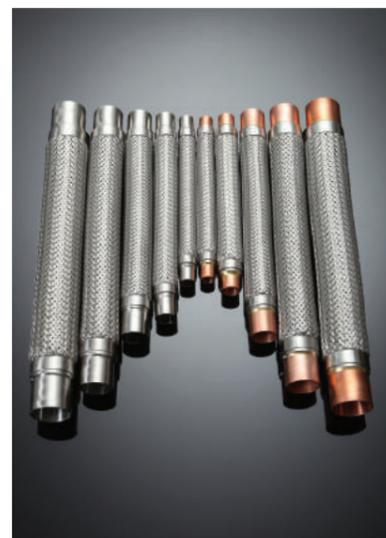
R12	R22	R23	R125	R134A	R401A
R401B	R402A	R402B	R404A	R407A	R407B
R407C	R408A	R409A	R410A	R410B	R412A
R502	R507	R508	R509		
R717(NH3)	R744(CO2)	R1234yf			

Features

- Unique proven design for high working pressure
- Deep pitch stainless steel flexible hose and high tensile wire braid
- Stainless steel grooved ferrules and crimped ferrules
- Helium and hydrogen leak tested
- UL listed and CE marked

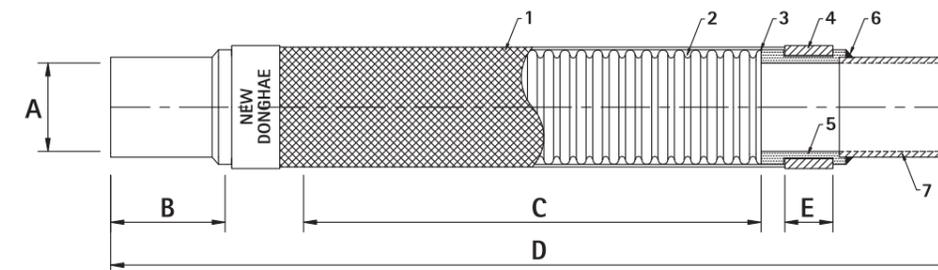
Technical Specification

- Permissible working temperature from -40°C to +120°C
- Maximum working pressure - As per table
- Under working pressure, extension rate - Approx 2% of initial length



Drawing

1. Wire Braid
2. Corrugated Tube
3. Welded Joint
4. Crimped Ferrule
5. Groove Ferrule
6. Braze Joint
7. Copper Tube



Specification

Model No.		Actual OD of Copper Tubing (inch)	Dimensions (mm)					Max Working Pressure (psig)	Burst Pressure (psig)	Weight (kg)
VASC	VASS		A (I.D)	B (± 3)	C (± 3)	D (± 6)	E (± 1.5)			
VASC-014	VASS-014	1/4"	6.7	17	133	202	10	650	3250	0.12
VASC-038	VASS-038	3/8"	9.6	18	141	215	10	650	3250	0.12
VASC-012	VASS-012	1/2"	12.8	18	151	225	10	650	3250	0.14
VASC-058	VASS-058	5/8"	16.2	20	169	247	10	650	3250	0.2
VASC-034	VASS-034	3/4"	19.2	23	180	266	11	650	3250	0.285
VASC-078	VASS-078	7/8"	22.5	25	211	301	11	650	3250	0.305
VASC-118	VASS-118	1-1/8"	28.8	32	223	329	12	600	3000	0.435
VASC-138	VASS-138	1-3/8"	35.3	35	274	392	14	550	2750	0.645
VASC-158	VASS-158	1-5/8"	41.7	40	295	425	16	510	2550	0.895
VASC-218	VASS-218	2-1/8"	54.5	50	370	520	16	400	2000	1.38
VASC-258	VASS-258	2-5/8"	67.0	60	434	613	19	350	1750	2.37
VASC-318	VASS-318	3-1/8"	79.6	70	481	680	19	320	1600	3.43
VASC-358	VASS-358	3-5/8"	92.5	85	579	812	21	190	570	4.4
VASC-418	VASS-418	4-1/8"	104.9	90	589	832	21	190	570	5.12

Model No.		Actual OD of Copper Tubing (metric)	Dimensions (mm)					Max Working Pressure (psig)	Burst Pressure (psig)	Weight (kg)
VASC	VASS		A (I.D)	B (± 3)	C (± 3)	D (± 6)	E (± 1.5)			
VASC-6	VASS-6	6mm	6.7	17	133	202	10	650	3250	0.12
VASC-10	VASS-10	10mm	10.2	18	141	215	10	650	3250	0.12
VASC-12	VASS-12	12mm	12.2	18	151	225	10	650	3250	0.14
VASC-16	VASS-16	16mm	16.2	20	169	247	10	650	3250	0.2
VASC-18	VASS-18	18mm	18.3	23	180	266	11	650	3250	0.285
VASC-22	VASS-22	22mm	22.5	25	211	301	11	650	3250	0.305
VASC-28	VASS-28	28mm	28.3	32	223	329	12	600	3000	0.435
VASC-35	VASS-35	35mm	35.3	35	274	392	14	550	2750	0.645
VASC-42	VASS-42	42mm	42.5	40	295	425	16	510	2550	0.895
VASC-54	VASS-54	54mm	54.5	50	370	520	16	400	2000	1.38
VASC-64	VASS-64	64mm	64.5	60	434	613	19	350	1750	2.37
VASC-76	VASS-76	76mm	79.6	70	481	680	19	320	1600	3.43
VASC-89	VASS-89	89mm	89.5	85	579	812	21	190	570	4.4
VASC-108	VASS-108	108mm	108.5	90	589	832	21	190	570	5.12

Note: OEM marking is available. Any dimension can be produced upon request.