

# VIBRATION SHOCK MOUNT ABSORBERS

**INSIDE CORRUGATED TUBE**  
STAINLESS STEEL type SUS 304.

**WIRE BRAID**  
STAINLESS STEEL type SUS 304.

**FERRULE**  
STAINLESS STEEL type SUS 304.

**CONNECTIONS**

- VASC series: copper connections
- VAS series: Stainless steel connections

**REFRIGERANTS**

- All blended and CFC, HCFC, HFC and their lubricants.

**TESTS**

- PED 97/23/EC

**ATTENTION**

- A vibration absorber *IS NOT* a hose or a flexible compensator.
- Do not bend it before installation or at any time. Install it *"in line"*. It does not eliminate any kind of unchecked vibrations but can damp residual vibrations uncontrolled first.

## WHY A VIBRATION ABSORBER ?

Vibration absorbers are designed for installation in the suction and discharge line of air conditioning & refrigeration systems to dampen the transmission of compressor-induced vibration (if not properly or totally eliminated first), through system piping.

## WHERE AND HOW IT SHOULD BE INSTALLED ?

The vibration absorber functions best when installed as close to the compressor as possible, and perpendicular to the major vibration direction as shown in illustration (horizontal and/or vertical motion). Two units could be eventually necessary.

### DO NOT FORGET CORRECT ANCHOR INSTALLATION:

For optimum vibration absorption and safety, the refrigeration line should be anchored at the end of the unit furthest from the vibration source (see drawing).

Care should be taken to allow sufficient space avoiding static compression and/or tension after soldering.

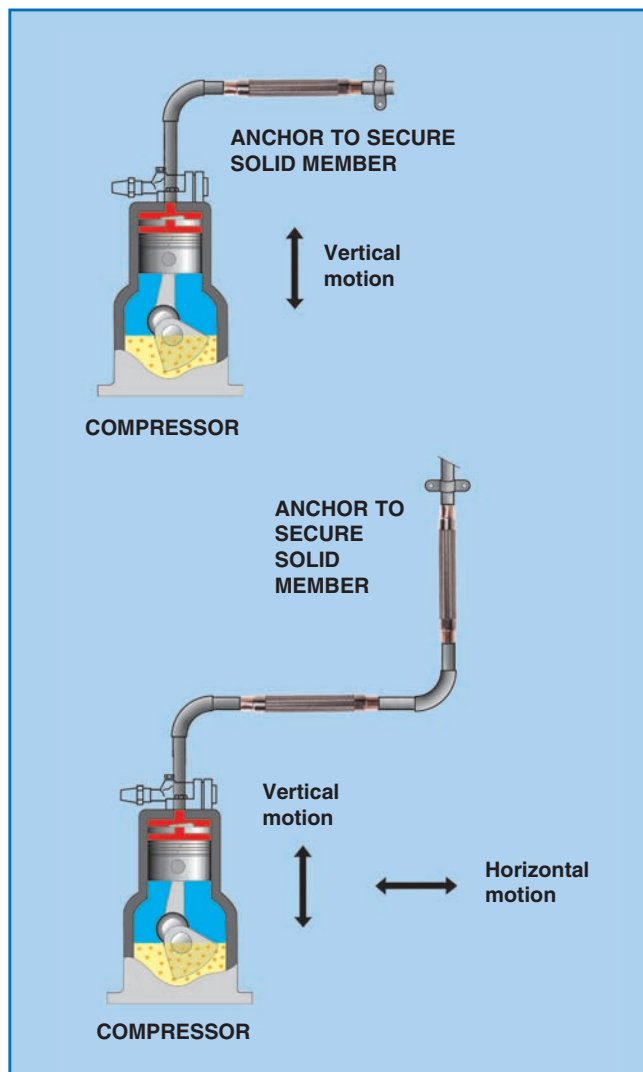
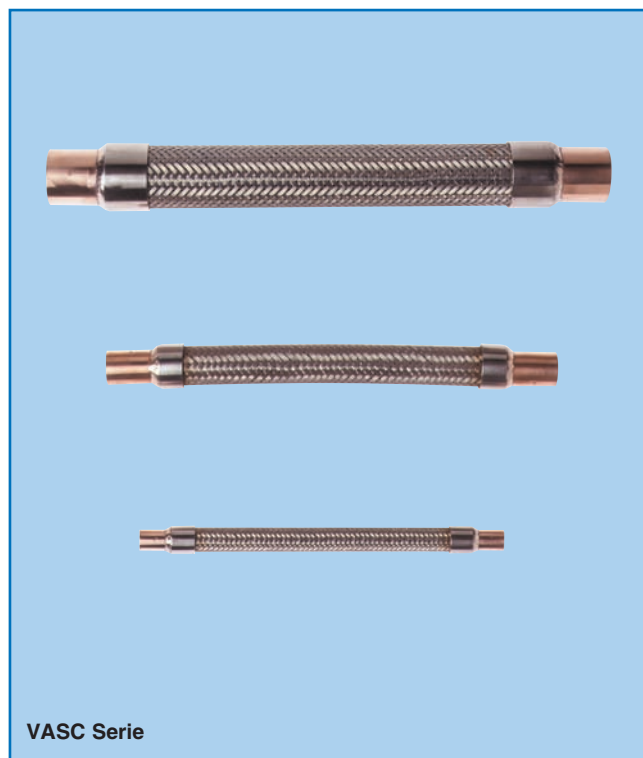
### "IN LINE INSTALLATION":

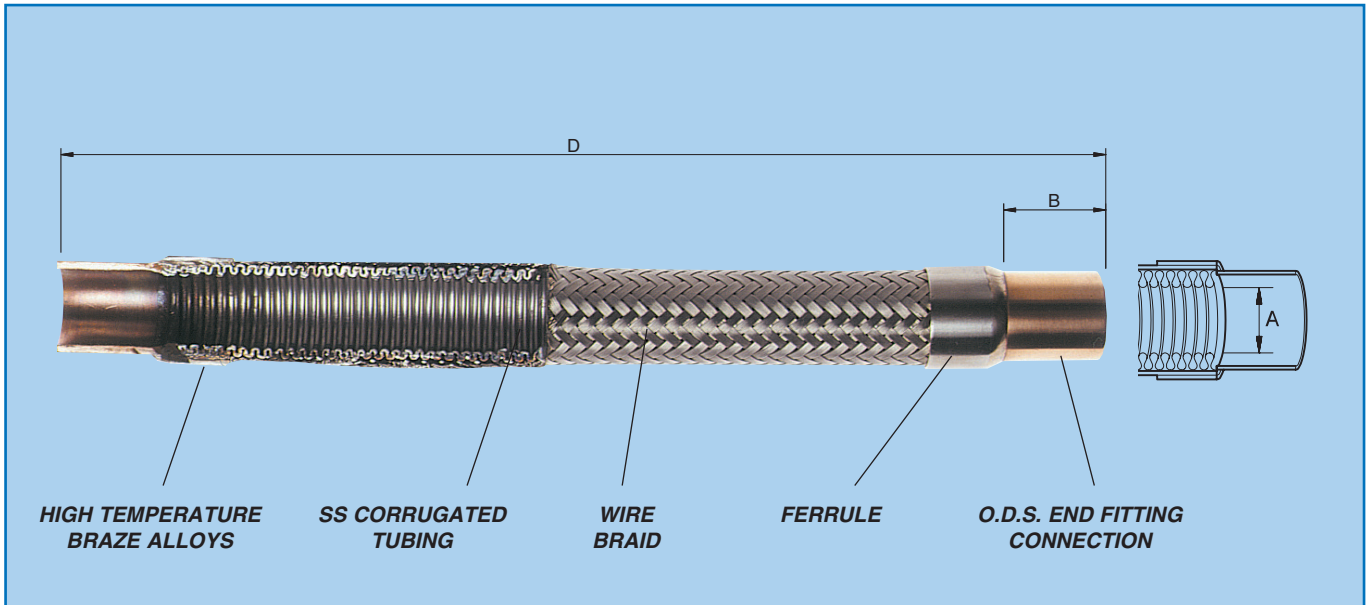
Unit should be installed in a straight line as **they are not intended to compensate for offset piping!**

**NOTE:** The torch soldering flame should always be directed away from the ferrules of the vibration absorber.

## SPECIFICATIONS

- Vibration absorbers are manufactured of deep pitch corrugated tubing (see next page drawing) for vibration absorption covered by high tensile wire braid for superior strength. Tubing and braid are reinforced by ferrules at each end and are proof connected to female copper ODS fitting connections by high temperature electric oven braze alloys. The units are designed for making sweat, quick and easy connections to refrigerant piping.
- Operating temperature: -40°C to +120°C.





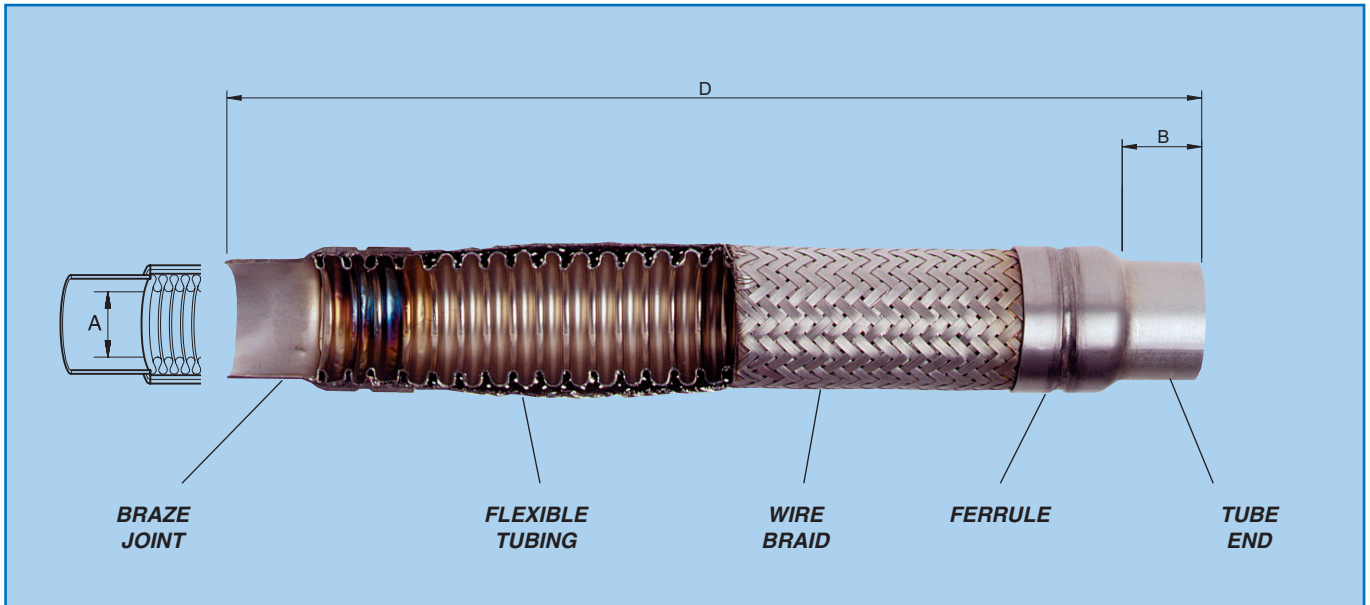
## 1. COPPER ENDS VERSION

PART NUMBER	END O.D.S. CONNECT (inch)	DIMENSIONS (mm)			Maximum working pressure (bar)
		A	B	D	
VASC-01	1/4"	6,70	15,90	177,80	45
VASC-02	1/4"	6,70	15,85	190,50	45
VASC-03	3/8"	9,60	15,87	209,60	45
VASC-04	1/2"	12,80	19,05	228,60	45
VASC-05	5/8"	16,20	22,22	247,60	45
VASC-06	3/4"	19,20	28,58	254,00	45
VASC-07	3/4"	19,20	28,57	285,70	45
VASC-08	7/8"	22,50	30,17	292,10	45
VASC-09	1 1/8"	28,80	33,35	330,20	41
VASC-10	1 3/8"	35,30	36,50	374,60	38
VASC-11	1 5/8"	41,70	47,63	431,80	35
VASC-82	2 1/8"	54,50	60,33	508,00	28
VASC-83	2 5/8"	67,00	76,20	609,60	24
VASC-84	3 1/8"	79,60	88,90	685,80	22
VASC-85	3 5/8"	92,50	101,60	685,80	13
VASC-86	4 1/8"	104,90	114,30	838,20	13

NOTE: 1 bar = 14,5 psi

PART NUMBER	END O.D.S. CONNECT (mm)	DIMENSIONS (mm)			Maximum working pressure (bar)
		A	B	D	
VASC-10 mm	10	10,20	16,00	210,00	45
VASC-12 mm	12	12,20	19,00	229,00	45
VASC-16 mm	16	16,20	22,50	248,00	45
VASC-18 mm	18	18,30	28,50	286,00	45
VASC-22 mm	22	22,50	30,00	292,00	45
VASC-28 mm	28	28,30	33,00	330,00	41
VASC-35 mm	35	35,30	36,50	375,00	38
VASC-42 mm	42	42,50	47,50	432,00	35
VASC-54 mm	54	54,50	60,50	508,00	28

NOTE: 1 bar = 14,5 psi.



## 2. COMPLETE “ITE” STAINLESS STEEL VERSION

PART NUMBER	END O.D.S. CONNECT (inch)	DIMENSIONS (mm)			Maximum working pressure (bar)
		A	B	D	
VAS-01	1/4"	6,70	15,90	177,80	45
VAS-03	3/8"	9,60	15,87	209,60	45
VAS-04	1/2"	12,80	19,05	228,60	45
VAS-05	5/8"	16,20	22,22	247,60	45
VAS-06	3/4"	19,20	28,58	254,00	45
VAS-08	7/8"	22,50	30,17	292,10	45
VAS-09	1 1/8"	28,80	33,35	330,20	41
VAS-10	1 3/8"	35,30	36,50	374,60	38
VAS-11	1 5/8"	41,70	47,63	431,80	35
VAS-82	2 1/8"	54,50	60,33	508,00	28
VAS-83	2 5/8"	67,00	76,20	609,60	24
VAS-84	3 1/8"	79,60	88,90	685,80	22
VAS-86	4 1/8"	104,90	114,30	838,20	13

NOTE: 1 bar = 14,5 psi

PART NUMBER	END O.D.S. CONNECT (mm)	DIMENSIONS (mm)			Maximum working pressure (bar)
		A	B	D	
VAS-10 mm	10	10,20	16,00	210,00	45
VAS-12 mm	12	12,20	19,00	229,00	45
VAS-16 mm	16	16,20	22,50	248,00	45
VAS-18 mm	18	18,30	28,50	286,00	45
VAS-22 mm	22	22,50	30,00	292,00	45
VAS-28 mm	28	28,30	33,00	330,00	41
VAS-35 mm	35	35,30	36,50	375,00	38
VAS-42 mm	42	42,50	47,50	432,00	35
VAS-54 mm	54	54,50	60,50	508,00	28

NOTE: 1 bar = 14,5 psi.