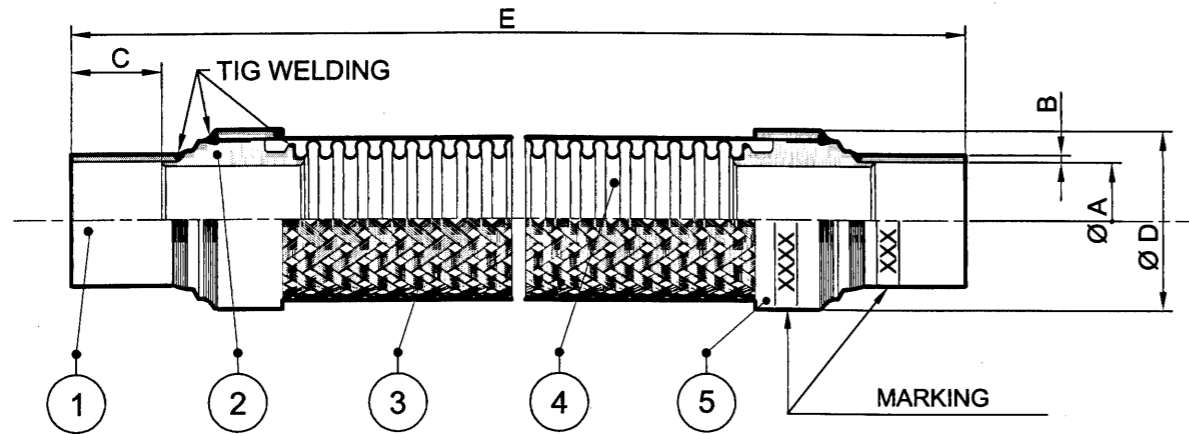




VIBRATION ABSORBERS VIBRATIG
- VTG -

01 N. DISEGNO 02
7577-000
DATA 03
03/05/2004



VTG		A	B	C	D	E	DN	ITEM
METRIC	INCHES							
06	1/4	6.6	1.0	20	19	230	10	001
08	/	8.2	1.0	20	19	230	10	002
/	3/8"	9.7	1.0	20	19	230	10	003
10	/	10.2	1.0	20	19	230	10	004
12	/	12.2	1.0	20	21	230	12	005
/	1/2"	12.9	1.0	20	21	230	12	006
15	/	15.2	1.0	25	27	255	16	007
16	5/8"	16.2	1.0	25	27	255	16	008
18	/	18.2	1.0	25	27	255	16	009
/	3/4"	19.3	1.0	25	27	255	16	010
22	7/8"	22.4	1.5	25	32	290	20	011
28	1 1/8"	28.9	1.5	25	39	330	25	012
35	1 3/8"	35.3	2.0	30	48	375	32	013
42	1 5/8"	42.3	2.0	35	58	430	40	014
54	2 1/8"	54.3	2.5	45	70	510	50	015
64	/	64.4	2.5	60	89	690	65	016
65	/	65.4	2.5	60	89	690	65	017
67	2 5/8"	67.1	2.5	60	89	690	65	018
76	3"	76.4	3.0	60	89	690	65	019
80	/	80.5	3.0	60	89	690	65	020
/	3 1/8"	79.8	3.0	60	89	690	65	021
89	3 1/2"	90.0	3.0	80	104	710	80	022
/	3 5/8"	93.0	3.0	80	104	710	80	023

VTG 4 1/8" AND 108 see dwg. 7578-000
DN = nominal Diameter of the flexible pipe

COMPONENTS

1. End fitting	mat: Cu DHP	(EN 12449 Cu DHP)
2. Fitting	mat: AISI 303/304	(EN 10088-1 1.4305 / 1.4301)
3. Braid	mat: AISI 304	(EN 10088-1 1.4301)
4. Flexible pipe	mat: AISI 321/316L	(EN 10088-1 1.4541 / 1.4404)
5. Ring	mat: AISI 304	(EN 10088-1 1.4301)

NORMAL WORKING CONDITIONS

- Nominal pressare : PN 35 up to item 015 PN 25 from item 016.
- Temperature : -100°C min. + 250°C max.
- Fluid : Suitable for FLUIDS GROUP 2 according to art. 9 of Directive 97/23/EC.

CONSTRUCTION

MANUFACTURING ACCORDING TO DIRECTIVE 97/23/EC REQUIREMENTS. VIBRATIG vibration absorbers are made in stainless steel, with COPPER DHP end fittings. ALL WELDINGS, COPPER/STAINLESS STEEL INCLUDED, ARE MADE THROUGH TIG SYSTEM. Being brazing-free, it is possible to braze the end fittings to the pipe system without overheating risks to the VIBRATIG itself.

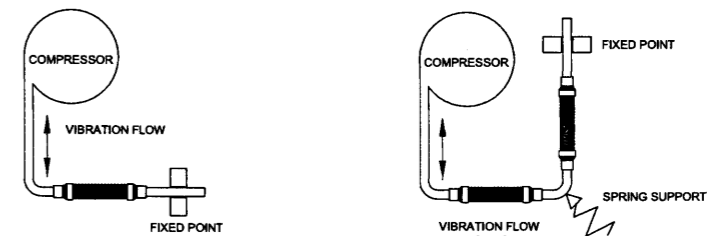
EMPLOY

VIBRATIG vibration absorbers are used to avoid the vibrations induced by the compressor, can come to the piping system. Moreover VIBRATIG reduce noises and can compensate small thermal displacements. The peculiar feature of VIBRATIG allows also VERTICAL installation. The possibility of water condensation in the lower side has been eliminated, thus NO PROBLEM EVEN AT TEMPERATURE BELOW ZERO.

INSTALLATION

- User must be aware that VIBRATIG cannot absorb torsional and axial stresses, both in compression and extension. VIBRATIG must be installed perpendicularly to the vibration flow.
- In some situation it is necessary to foresee an arrangement with two VIBRATIG to ensure good performances to fatigue life. Should this situation occur, a suitable spring support must be added to ensure stability (see sketch below).
- Fluid overflow inside VIBRATIG can set off turbulences and noises phenomena which can damage and reduce fatigue life of the VIBRATIG. If so, it is suggested to switch to a bigger VIBRATIG size.
- Connection of VIBRATIG to the pipe system is generally made by brazing.
- The peculiar characteristics of VIBRATIG let the fitter to perform such operations CARE-FREE FROM ANY OVERHEATING TO THE VIBRATIG ITSELF.
- Test pressure of the VIBRATIG must not exceed 1.5 nominal pressure.

ASSEMBLY EXAMPLE



CORROSION PERFORMANCES

- The chosen materials of VIBRATIG fully suits with the conveyed fluid, therefore no extra-thickness is foreseen.
- The installer will have to pay special care to protect VIBRATIG from corrosion agents coming from the environment.

VIBRATIG DISASSEMBLY

Should a VIBRATIG be taken down, take care of the following:

- Drain all fluid from the piping system
- Clean the inside pipe system
- Cut the VIBRATIG with a hand-saw instead of flame cut system.

MARKING

According to Directive 97/23/EC VIBRATIG are marked as follows:

From item 001 to item 013:	ASTROFLEX-TORINO-ITALIA-7577/XXX-PN 35-MM/AA
From item 014 to item 015:	CE ASTROFLEX-TORINO-ITALIA-7577/XXX-PN 35-LLLL/AA
From item 016 to item 023:	CE ASTROFLEX-TORINO-ITALIA-7577/XXX-PN 25-LLLL/AA

Where:

- XXX = position on the dwg. table
- MM = month of manufacturing
- AA = year of manufacturing
- LLLL = identification lot number

Marking can be applied on the indicated area.

ORDERING EXAMPLE

7577-009 means a vibration absorber VTG 18 whose dimensions are: A = 18.2 B = 1.0 E = 255
7577-010 means a vibration absorber VTG 3/4" whose dimensions are: A = 19.3 B = 1.0 E = 255

ASTROFLEX S.P.A. ASSUMES NO RESPONSIBILITY OR LIABILITY ON THE PRODUCT IF THE ABOVE INSTRUCTIONS ARE NOT CORRECTLY APPLIED