



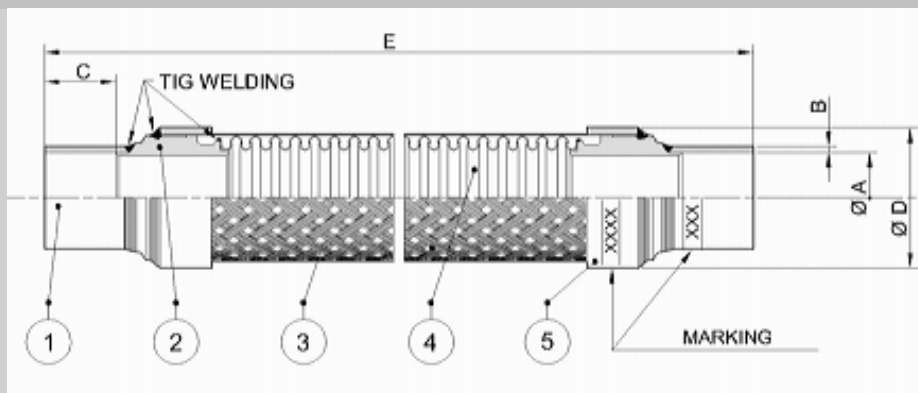
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Technical Sheet



Available dimensions



VTG		A	B	C	D	E	ND	Item
mm	inch							
06	1/4"	6,6 +/- 0,2	1,0	20	19	230 +/-5	10	001
08	/	8,2 +/- 0,2	1,0	20	19	230 +/-5	10	002
/	3/8"	9,7 -0,1+ 0,3	1,0	20	19	230 +/-5	10	003
10	/	10,2 -0,1+ 0,3	1,0	20	19	230 +/-5	10	004
12	/	12,2 -0,1+ 0,3	1,0	20	21	230 +/-5	12	005
/	1/2"	12,9 -0,1+ 0,3	1,0	20	21	230 +/-5	12	006
15	/	15,2 -0,1+ 0,3	1,0	25	27	255 +/-5	16	007
16	5/8"	16,2 -0,1+ 0,3	1,0	25	27	255 +/-5	16	008
18	/	18,2 -0,1+ 0,3	1,0	25	27	255 +/-5	16	009
/	3/4"	19,3 -0,1+ 0,3	1,0	25	27	255 +/-5	16	010
22	7/8"	22,4 -0,1+ 0,3	1,5	25	32	290 +/-5	20	011
28	1 1/8"	28,9 -0,1+ 0,3	1,5	25	39	330 +/-5	25	012
35	1 3/8"	35,3 -0,1+ 0,3	2,0	30	48	375 +/-10	32	013
42	1 5/8"	42,3 -0,1+ 0,3	2,0	35	58	430 +/-10	40	014
54	2 1/8"	54,3 -0,1+ 0,3	2,5	45	70	510 +/-10	50	015
64	/	64,4 -0,1+ 0,4	2,5	50	89	690 +/-10	65	016
65	/	65,4 -0,1+ 0,4	2,5	60	89	690 +/-10	65	017
67	2 5/8"	67,1 -0,1+ 0,4	3,0	60	89	690 +/-10	65	018
76	3"	76,4 -0,1+ 0,4	3,0	60	89	690 +/-10	65	019
80	/	80,5 -0,3 +0,5	3,0	80	89	690 +/-10	65	020
/	3 1/8"	79,8 -0,2+0,4	3,0	80	89	690 +/-10	65	021
89	3 1/2"	90,0 -0,3+0,5	3,0	80	104	710 +/-10	80	022
/	3 5/8"	93,0 -0,3+0,5	3,0	90	104	710 +/-10	80	023

ND = Nominal Diameter of the flexible hose

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 pressure: PN 35 up to item 015 and PN 25 from item 016
- Temperature: - 100Â°C min + 250Â°C max
- Fluid: suitable for group 2 according to art. 9 Directive 97/23/EC (P.E.D.)

Construction

Manufacturing in accordance to Directive 97/23 /EC (P.E.D.) requirements. **VIBRATIG** vibration absorber is made in stainless steel with copper DHP end fittings. All weldings, included copper/stainless steel, are made by TIG or laser systems.

Being brazing-free, it is possible to braze the end fittings to the pipe system without any overheating risk to the **VIBRATIG** itself.

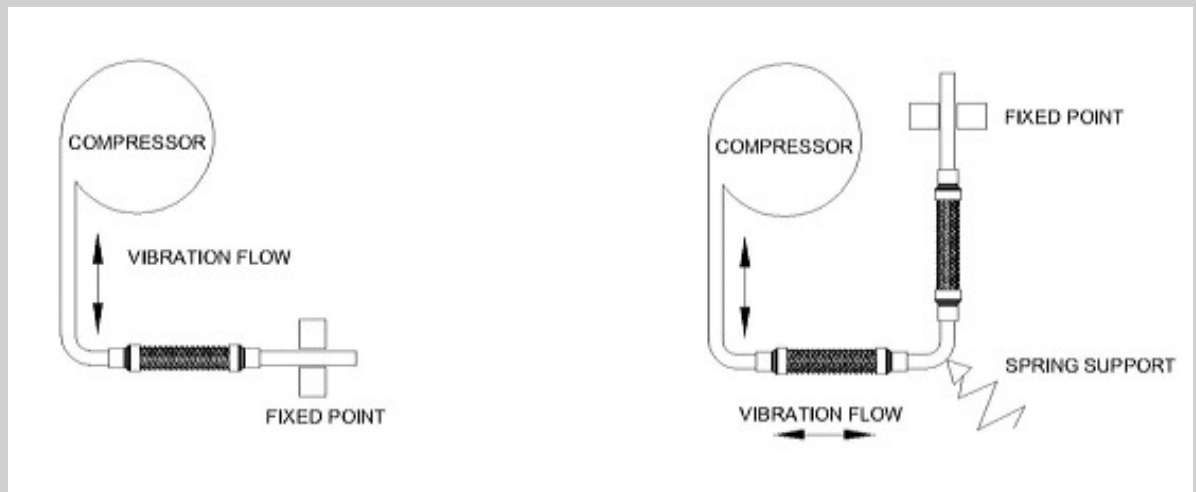
Employ

VIBRATIG vibration absorber is used to avoid the vibrations induced by the compressor. It also reduces noises and can compensate smaller inner displacements. Furthermore, its unique peculiarity allows vertical installation too. The possibility of water condensation in the lower side has been eliminated, therefore, no problem even at temperatures below 32°F.

Installation

- User must be aware that **VIBRATIG** cannot absorb torsional and axial stresses, either in compression and extension.
- **VIBRATIG** must be installed in perpendicular to the vibration flow. In certain cases it is necessary to assemble two **VIBRATIG** to ensure good performances to fatigue life. Should this be the case, a suitable spring support must be placed to ensure stability (see sketch below).
- Fluid overflow inside **VIBRATIG** can set off turbolences and noises that can damage and reduce its fatigue life. If so, it is highly recommended to switch to a bigger **VIBRATIG** size..
- The connection between **VIBRATIG** and the pipe system is usually made by brazing.
- **VIBRATIG** unique peculiar characteristics enable the fitter to perform such operations care-free from any overheating to the **VIBRATIG** itself.
- **VIBRATIG** test pressure must not exceed the nominal pressure x 1.5.

Assembly example



Corrosion performances

- The materials of which **VIBRATIG** is made fully suit the conveyed fluids, therefore no extra thickness is needed.
- Installer needs to pay special attention to protect **VIBRATIG** from the environment corrosion agents

Disassembly

When you need to take down a **VIBRATIG** - Cut the **VIBRATIG** with a handsaw and not by flame cutting. make sure all the following steps are followed:

- Drain all fluids from the piping system;
- Clean the inside of the piping system;
- Cut the **VIBRATIG** with a handsaw and not by flame cutting.

Marking

According to Directive 97/23/EC (P.E.D.), **VIBRATIG** is marked as follows:

Item 001 to 013: ASTROFLEX-TORINO-ITALIA-7577/XXX-PN 35-MM/AA
Item 014 to 015: CE ASTROFLEX-TORINO-ITALIA-7577/XXX-PN 35/LLLL/AA
Item 016 to 032: CE ASTROFLEX-TORINO-ITALIA-7577/XXX-PN 25/LLLL/AA

XXX = position on the drawing table
MM = manufacturing month
AA = manufacturing year
LLLL = identification lot number

VIBRATIG may be marked in any of the "MARKING" areas in the drawing.

For the American market: UL certification available on request.



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