APPLICATIONS

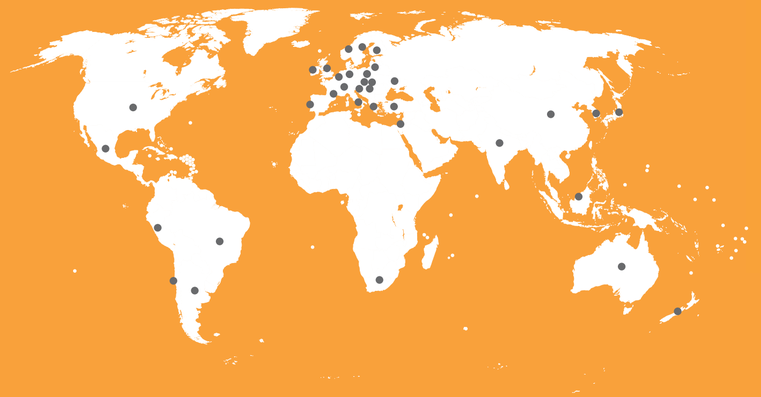
- Industrial peristaltic pumps
- Air operated diaphragm pumps
- Piston pumps
- Eccentric disk pumps
- Other pulsating flow pumps

ADDITIONAL ADVANTAGES

In their instruction manuals, practically every manufacturer throughout the world of the above mentioned types of pumps advises the installation of a flexible section of piping upstream from the pump for the purpose of isolating possible vibration and facilitating the pumps maintenance.

The installation of a **FLEXODAMP** pulsation damper guarantees the above mentioned recommendation in addition to providing a constant flow that decreases the pulse effect of the pumps, with an effectiveness of up to 95%.

OUR LOCAL AGENTS



FLEXODAMP®

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Distributor

FLEXODAMP®

PULSATION DAMPERS

Vibration Isolator

The revolutionary *2 in 1* system

For all types of pulsating flow pumps

Air operated diaphragm pumps, peristaltic pumps, piston pumps, eccentric disc pumps, etc...

fig.1

fig.2

HOW IT WORKS

The online pulsation damper has a double function in pulsating flow installations.

- It dampens the pulsations, making the flow continuous meaning a system of measurement can be used such as a flowmeter or pressure switches.
- It eliminates vibrations and hammering as well as reduces noise, increasing the working life of installations, and is essentially useful in very long installations.

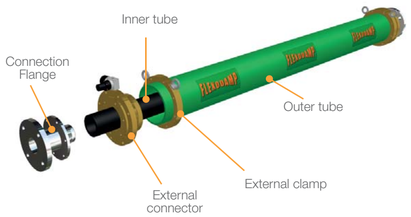
The working principle is very simple. When the damper is not working, the compressed air that has entered the inner and outer tube compresses the inner tube. (Figure 1)

When the pump pulses fluid, part of the fluid expands the inner tube, occupying the area that the compressed air occupied. (Figure 2)

The previous process is repeated automatically at the end of the pulse, the flow being linearised as a result of this method being used. Being totally flexible, it absorbs all the vibrations and hammering that may occur.

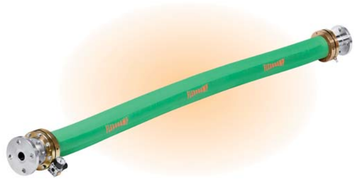
INTERNATIONAL PATENT PENDING

AVAILABLE MODELS FD VERSION



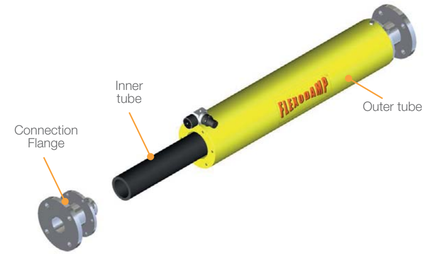
MODEL	LENGTH STANDARD (mm) *
FD- 10	750
FD- 15	1.000
FD- 25	1.500
FD- 40	2.000
FD- 50	2.500
FD- 65	3.500

* Available in other lengths if necessary



AVAILABLE MODELS FDR VERSION

Rigid version
In-line pulsation damper classic design



MODEL	LENGTH STANDARD (mm) *
FDR- 65	1.000
FDR- 100	1.500

* Available in other lengths if necessary

ADVANTAGES OF THE FLEXODAMP SYSTEM

compared to conventional pulsation dampers

- Total passage of the fluid
- Easy to install thanks to its flexibility
- Takes fluids with solids in suspension
- Works with fluids of any viscosity
- Lowers vibrations between pump and tubes.
- Variable length according to need.
- Sanitary versions for use with foodstuffs, cosmetics, and pharmaceutics.
- Easy to clean

FLEXODAMP
Installed in air operated diaphragm pump

FLEXODAMP
Installed in peristaltic pump

AVAILABLE MATERIALS FD/FDR VERSION

In contact with the fluids:

-Inner tube

- NR, Natural rubber
- EPDM
- NBR
- Food grade hose with FDA certificate
- Silicone (Depending on the model)

- Connections
(DIN or ANSI flanges, TRI-CLAMP, DIN 11851, SMS ...)

- AISI 304 or 316 stainless steel
- Polypropylene,PVC or PVDF

- Other interesting information

FD VERSION

- Working pressure: **< 8 bar**
- Temperature: **<110ºC**

FDR VERSION

- Working pressure: **< 15 bar**
- Temperature: **<110ºC**