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...

Distributor

More information at:
www.flexodamp.com
info@flexodamp.com
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

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.

AVAILABLE MODELS FD VERSION

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LENGTH (mm)</th>
</tr>
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<tbody>
<tr>
<td>FD-10</td>
<td>750</td>
</tr>
<tr>
<td>FD-15</td>
<td>1,000</td>
</tr>
<tr>
<td>FD-25</td>
<td>1,500</td>
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<tr>
<td>FD-40</td>
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<tr>
<td>FD-50</td>
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<tr>
<td>FD-65</td>
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AVAILABLE MODELS FDR VERSION

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<tr>
<td>FDR-100</td>
<td>1,500</td>
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</tbody>
</table>

* Available in other lengths if necessary.

AVAILBLE MODELS FD/FDR VERSION

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)
  - Outer tube: AISI 304 or 316 stainless steel, Polypropylene, PVC or PVDF

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

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

Rigid version
In-line pulsation damper classic design

FD VERSION
- Working pressure: < 6 bar
- Temperature: < 110ºC

FDR VERSION
- Working pressure: < 15 bar
- Temperature: < 110ºC