Flexible hoses - Expansion joints and bellows

Italian Companies at Cern
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www.tubiflex.com
Established in 1951, TUBIFLEX has an international standing due to its Technology and Quality Level. Tubiflex owns an excellent know-how and is able to develop products concept and design as well as related production equipments. Tubiflex has been, since the very beginning, one of the most up to date, and technologically advanced company of the sector.

We at Tubiflex boast more than 60 years of experience in engineering and manufacturing of a broad range of products:

- Stainless steel annular corrugated hose, stainless steel helical convoluted hose, strip wound metal hose
- Stainless steel flexible assemblies
- Multilayer convoluted PTFE flexible hoses and assemblies
- Multilayer convoluted flexible hoses (Aluminium, Kraft Paper, Fibreglass, PVC Polyvinyl chloride)
- Metal expansion joints and bellows
- Corrugates hoses for heat exchangers

Out of the standard product portfolio, Tubiflex design, and manufactures special products.

TUBIFLEX IN FIGURES

<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
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<tbody>
<tr>
<td>1951</td>
<td>Foundation</td>
</tr>
<tr>
<td>160</td>
<td>Staff</td>
</tr>
<tr>
<td>15</td>
<td>Engineers</td>
</tr>
<tr>
<td>22 Million €</td>
<td>Turnover</td>
</tr>
<tr>
<td>46%</td>
<td>Export share</td>
</tr>
<tr>
<td>Over 600</td>
<td>Customers</td>
</tr>
<tr>
<td>20,000 m²</td>
<td>Production area</td>
</tr>
<tr>
<td>3,000 m²</td>
<td>Offices</td>
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Tubiflex SpA: Products

Hose assemblies

- Stainless steel annular corrugated hose, stainless steel helical convoluted hose
- Stripwound interlocked metal hose
- Tape-wrapped convoluted PTFE flexible hose
- Multilayer convoluted flexible hoses (Aluminium, Kraft Paper, Fibreglass)
- Stainless steel braid

Expansion joints and bellows

Our hose portfolio

- Stainless steel annular corrugated hose, stainless steel helical convoluted hose
- Stripwound interlocked metal hose
- Tape-wrapped convoluted PTFE flexible hose
- Multilayer convoluted flexible hoses (Aluminium, Kraft Paper, Fibreglass)
- Stainless steel braid
Tubiflex SpA: Focus on core process competence

WELDING

- TIG welding with and without welding material, semi-automatic or orbital
- Patented manual welders
- Laser welding
- Plasma Welding
- MIG Welding
- Brazing by means of copper alloy and silver alloy, induction brazing.

BENDING

- Reduced bending radius (medium radius) 1.5 x OD, down to 1x OD
- Bending thin wall pipes in stainless steel, aluminium, titanium
- Bending of pipes with complex layout
- Corrugated hoses bending

BRAIDING

- In house Braiding with 24-36-48 or 72 strands in AISI 304 / AISI 316L
- Single or double braid in stainless steel or zinc coated steel
- Braid of braid in stainless steel or zinc coated steel
- Bronze braid
- Braid made using special wires materials
- Braiding with high resistance stainless steel