



**Your Complete Flexible  
Piping, Hoses,  
Expansion Joints &  
Hose Fitting Solution**

**tyco** / *Flow Control* / **Flexible Piping Systems**

# company PROFILE



TFC-Flexible Piping Systems is Australasia's largest manufacturer and distributor of:

- Flexible Metal Hose assemblies.
- Composite petrochemical hose and assemblies.
- PTFE smooth bore and Corrugated Hose assemblies.
- Specialised Hygienic Hose.
- Flexible Ducting - all material types.
- Expansion Joints in Metal, Rubber, PTFE and Fabric materials.
- Bioniq Offshore Rig Supply Hose & Couplings.
- Flexible Automotive Exhaust Connectors.
- Hose Couplings/Fittings - Muff Couplings, Bitumen, Camlocks and many others.
- Norma Clamps and Fittings.
- Lisega Pipe Hangers and Supports.



TFC-Flexible Piping Systems is a division of Tyco Flow Control Pacific Pty Ltd and combines the expertise of four companies Flexonics, Abdip, Acj Enterprises and Lisega recently integrated to form this new division.

"Total Flow Solutions" is the essence of our company philosophy. Our approach is geared to innovation and solving our clients flexible piping systems needs in providing unique solutions to their problems, good advice and proper design. In manufacturing and assembling our products everything is focused on ensuring maximum operational reliability. Our ISO 9001; SAI GLOBAL Certification reflects the care that we put into our processes.



# company PROFILE

## Competitive Advantages:

- Servicing the Australian/ New Zealand industry since 1962.
- Providing over 30 years industry and product knowledge.
- 90% customer service staff each with 10 years experience or more in the flexible hose and expansion joint Industry.
- ISO 9001:2000 Accreditation, SAI GLOBAL Licence number QEC20419.
- AGA Certification (AG : 216) for stainless steel metal hose assembly, Certificate Number 4989.
- Hose assemblies are 100% hydrostatically tested prior to shipping.
- Service that meets or exceeds customer's expectations.
- Providing Total Flow Solutions.



## Our Mission

TFC-Flexible Piping Systems mission is to be the best supplier of value-added flexible piping components in the markets that we service.

- Industrial Processing
- Food and Beverage
- Petrochemical Bulk Storage and Distribution
- Chemical Processing, Storage and Distribution
- Marine and Industrial Engine Applications
- Pulp and Paper
- Hot Metal Processing
- Petroleum Refining
- Project Engineering
- Site Audits and Testing
- Annual Service Contracts
- Heating, Ventilation and Air Conditioning
- Water and Waste Water



Quality  
Endorsed  
Company



# metal HOSE



TFC-Flexible Piping Systems manufacture and supply a comprehensive range of flexible metal hose assemblies for a wide range of applications where there is a need to compensate for either movement or pipeline misalignment through the medium or temperature extremes.

Metal hose offers a number of advantages including high strength, resistance to high or low temperature extremes, and corrosion resistance. It absorbs vibration and noise, connects misaligned rigid piping and moving parts of machinery or equipment.

The choice of available materials includes bronze, stainless steel including 321/316/304, and monel.

Metal hose is manufactured in two basic styles, these being Corrugated & Stripwound.

TFC-Flexible Piping Systems' corrugated hose is manufactured to ISO 10380 AND BS6501 Part 1, 1991 with suffix letter A, B or C indicating the hose flexibility of that standard. Manufactured in a size range from Ø6mm to Ø350mm.

## **Stripwound Hose**

Stripwound hose is manufactured from a stainless steel or galvanised helically wound profiled strip. Sizes from Ø25mm to Ø200mm.

## **AGA Certification for Gas Service**

Stainless steel convoluted hose assemblies are certified by AGA, (AG:216 standard) in sizes Ø6mm to Ø100mm. Certificate number 4989.

## **Metal Hose Connectors**

TFC-Flexible Piping Systems stainless steel Pump Connectors and Plant Links provide a rapid and economical solution to the problems of absorbing vibration and thermal movements of pipework. Available in standard lengths and diameters ranging from Ø10mm-Ø350mm.

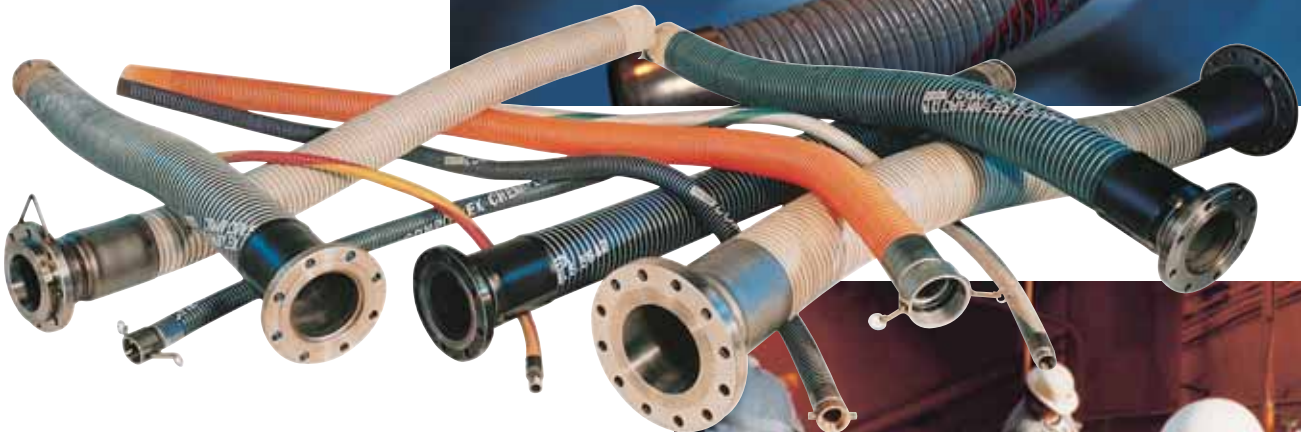


# COMPOSITE hose

TFC-Flexible Piping Systems has been at the forefront of Composite hose design and manufacture in Australia for 40 years and is the undisputed market leader in this field.

Composite hoses are designed to meet the most demanding applications in Hydrocarbon, Chemical & Cryogenic transfer applications, offering strength, lightweight, flexibility and versatility for variations in pressure, temperature and product conveyance compatibility.

TFC-Flexible Piping Systems Composite hose meets various Australian & International Standards and is available in sizes from Ø25mm-Ø250mm.



# PTFE HOSE



TFC-Flexible Piping Systems offers engineered PTFE hose solutions that help customers manage corrosion, hose purity, thermal cycling and a whole host of other tough operating conditions in their process applications whether it be Food Processing, Pharmaceutical or the Petrochemical Industry.

We specialise in PTFE hose and stock and supply braided medium and high pressure, Convoluted and Smooth Bore hose from Ø3mm-Ø100mm.

Fittings are custom designed to suit customer specific applications.

#### Typical Applications:

- Chemical transfer lines.
- Industrial Gas - filling lines.
- Marine - Hydraulic lines for steering systems and fluid lines for engine compartment.
- Off Shore Oil - transfer lines for well gases and fluids.
- Paper Industry - steam lines, transfer lines for solvent, pigments and bleaching.
- Tyre Manufacturing - steam lines on tyre presses.
- Automotive - brake lines, turbo feed and drain hoses, compressor discharge lines.
- Food and Beverage.



# AUTOFLEX™

## aftermarket replacement exhaust connectors

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TFC-Flexible Piping Systems is a leading supplier in the latest flexible exhaust connector design and technology.

TFC-Flexible Piping Systems' Autoflex™ are industry specific designed and manufactured for the exhaust aftermarket and replacement market in which our manufacturing partner continually sets the standard.

All Autoflex™ Flexible Exhaust Connectors are available with or without inner braid flow liners in all popular sizes from Ø45mm-Ø100mm in lengths from 100mm-250mm. Other sizes are available on request and are dependent on volume.



# EXPANSION joints



Expansion Joints, are intended for compensating movements resulting from misalignment, for absorbing vibration and thermal movement in pipework or ducting.

These products are widely used in Steel, Petrochemical, Shipbuilding Industries, Gas and Diesel Engines and total Energy Plants to name a few.

TFC-Flexible Piping Systems design, manufacture and market a complete range of Metallic, Fabric, Rubber and PTFE expansion joints.

Our leadership position has been earned through consistent application of engineering principles, high quality standards in producing safe and reliable products for all types of demanding applications.



# RUBBER hose & ducting

TFC-Flexible Piping Systems distributes a wide range of Rubber and PVC pressure, suction and discharge hose and assemblies for applications involving the transfer of:

- Steam, Air and Water.
- Food and Liquids.
- Acid and Chemicals.
- Fuel and Oil.
- Bulk Materials Handling
- Offshore Oil Rig Supply Hose

In addition our Flexible Ducting range of products consists of various low and high temperature thermoplastic materials for Industrial and Mining applications.



# HOSE fittings



TFC-Flexible Piping Systems manufacture and distribute a full range of hose fittings and couplings from general purpose to specialised high integrity fittings. These include:

- Flip-Flap® Safety Breakaway Hose Couplings
- Bitumen Hose Fittings and Adaptors
- Muff Couplings
- Camlocks
- Dry Disconnect Couplings
- Screwed or Flanged Hose Tail Fittings
- Norma Clamps and Fittings

## **Bioniq® - Offshore Oil Rig Hose Coupling**

The Bioniq® coupling was developed for attachment to offshore oil rig supply hoses for live boating applications where mooring lines were not in use. With increased tensile loads placed on the hose due to this practice, along with concerns over the environmental protection. The Bioniq® hose coupling offers total integrity and safety to the hose assembly. The Bioniq® will not pull away under the extreme tensile loads and will withstand more than the actual burst pressure of the hose assembly itself.



# PIPE supports

TFC-Lisega offers a comprehensive performance package which encompasses the whole field of pipe support technology.

The Lisega range of products include:

- Constant Hangers
- Spring Hangers
- Pipe and Clamp Supports
- Roller Bearings
- Rigid Struts
- Connecting Parts and Rods
- Structural Steel Attachments



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