



Corrugated Metal Hose.....

Pacflex corrugated hose is a high quality industrial hose for specific applications. It is manufactured from a cylindrical, thin walled tube formed from rolled strip and joined at the seam by butt welding. Impressed into this tube is a corrugated annular profile.

Pacflex corrugated hose assemblies are produced in:

321 & 316 Stainless Steel

Bronze

Monel

Inconel 600 & 625.

Corrugated tube is available in thin, medium & heavy wall to meet various fabricating preference.

Heavier wall thickness provide for easier welding and longer resistance to chemical corrosion.

Hose is available in long lengths on reels up to 250 ft in sizes from ¼" to 14 inch diameter.

Hose is also available upon request in metals such as:

Hastelloy

Titanium

Numerous other formable alloys.

Braid & Braided Products.....

Pacflex offers a wide variety of braid and braided products. Braid is a flexible wire sheath surrounding a metal tube that prevents the hose from elongation created by internal pressure. Braid is composed of a number of wires wrapped helically around the hose while at the same time going under and over each other in a basket weave fashion.

Braid material include:

304L, 316 & 321 Stainless Steel

Bronze

Monel

Other alloys and material of construction are available upon request.

Technical Tools.....

Pacflex offers more than a QUALITY USA Product at a GREAT PRICE, it supports its customers with GREAT AFTER SALES SERVICE with advice, technical support, application design and manufacturing expertise, unrivalled here in the West.

Add to this such Technical Tools as.....

Temperature Adjustment Factors Calculator

Maximum Working Pressure and Braid coverage Calculator

Hose assembly Length Calculator for different movements and offsets

Corrugated Hose Flow Velocity Calculator

Theoretical Braid Pressure Calculator

QUALITY MANAGEMENT SYSTEM PROGRAM.....

Hose Production & facilities comply with ISO 9001-2008

Pacflex is dedicated to providing superior quality in all it does, from manufacturing high quality hose assemblies to providing unsurpassed customer service.

NAHAD

Why use Metal Hose ?.....

Metal hose is frequently used in piping situations where:

There is a need to absorb the heat or pressure induced expansion of the pipe system

There is a need to compensate for misalignment, or to allow lateral movements of the system during exploitation

High temperature fluids or gases have to be safely conveyed through a system under high pressure or under vacuum conditions

When a system is subjected to a vibration there is a need for special products like corrugated metal hose.

When a system is exposed to high external heat, corrosion, or heavy or rough handling.

Where ?.....

Petroleum Industry

Chemical Plants

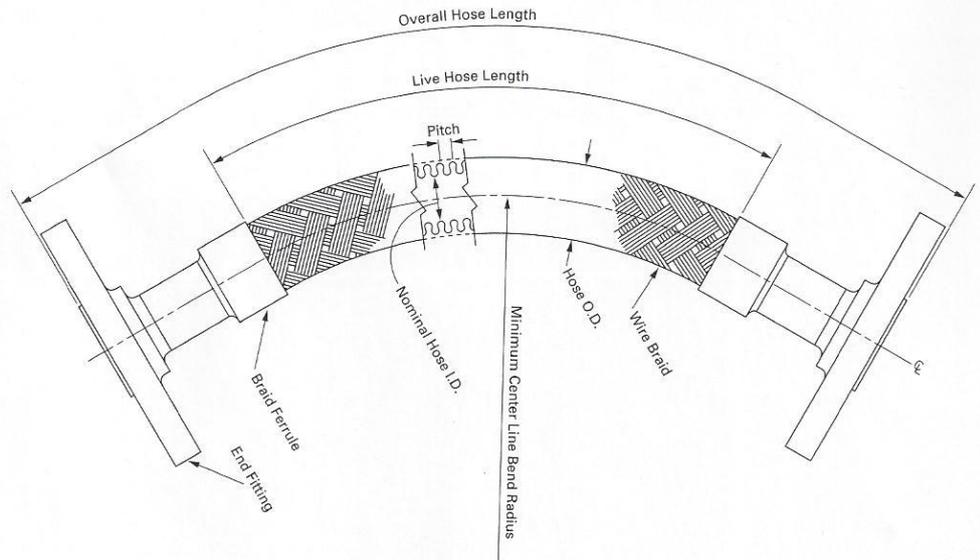
Power Generation Industry

Steel Plants

Heating, Ventilation & air conditioning systems

And many other general industrial uses in pipelines.

METAL HOSE TERMINOLOGY

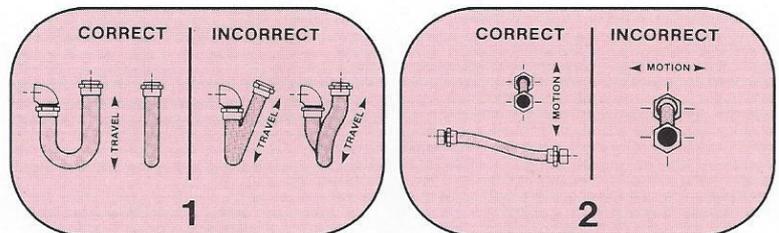


INSTALLATION

Flexible Metal Hose products are designed and manufactured to deliver maximum performance and service life when installed in accordance with the following guidelines.

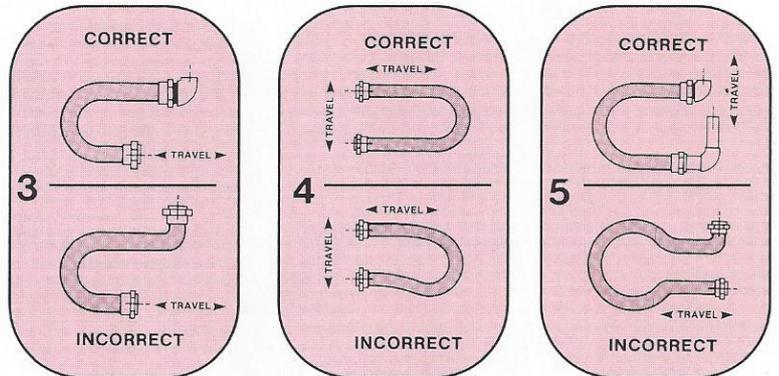
DO NOT TORQUE

Torque or twisting will cause torsional stress resulting in, premature hose failure. To minimise stress hose should be held securely during installation when attaching mating fittings. Twisting during in service flexing will also cause stress and can be avoided by keeping both end fittings in the same plane as the plane of flexure (See Figures 1 and 2).



DO NOT OVERBEND

The proper application of fittings or elbows will ensure maximum cycle life. Do not bend hose to a radius smaller than recommended in the specifications sharp bends will rapidly reduce service life. (See Figures 3,4 and 5).



END CONNECTORS

Stainless Steel Flexible Metal Hoses are terminated with connectors attached by TIG welding. The most common connectors are illustrated.

Threaded Connectors are available in BSP, NPT, JIC, BSM etc, and supplied in carbon steel, stainless steel, and other more specialised materials on request.

Flange Connectors available include, AS & BS, ANSI, DIN, JIS Standards. Materials available include Carbon Steel, Stainless Steel. Other materials on request.

