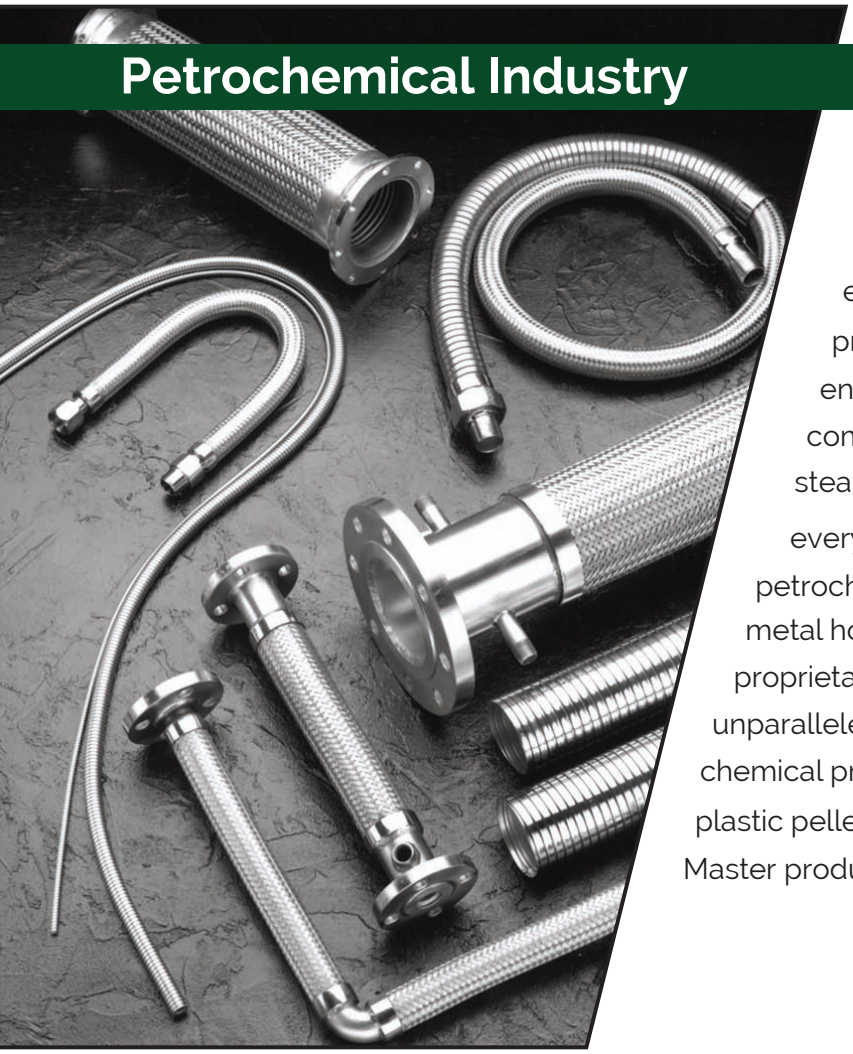
Products designed for petrochemical environments.

Petrochemical Industry



Hose Master engineers high quality metal hose and expansion joint solutions for use in petrochemical production, where high heat and corrosive environments demand the use of safe, reliable piping components. Whether designing products for a large steam cracking plant, a small fertilizer producer, and everything in between, we are application experts in the petrochemical industry. We understand the science behind metal hose and expansion joint technology, so our proprietary manufacturing processes yield products with unparalleled quality, safety, and value. For everything from base chemical production to the bulk pneumatic transfer of extruded plastic pellets, petrochemical companies trust Hose Master products for their most critical applications.

NAHAD Metal Hose Listed Manufacturer

c UL us

PEI Petroleum Equipment Institute

PED Pressure Equipment Directive

TÜV ISO 9001

CSA®
Canadian Registration Number

ASME IX
Certified Welders

ABS TYPE APPROVED PRODUCT

Recommendations for using metal hose:

Temperature extremes
If either the substance flowing through the hose or the surrounding atmospheric temperature is very cold or hot, metal may be the only hose material able to withstand the temperature extremes.

Chemical compatibility
Metal hose can handle a wider variety of chemicals than most other hose materials. If the hose will be exposed to aggressive chemicals, either internally or externally, metal hose should be used.

Permeation concerns
When containing the gases inside the hose is important, metal hose is a good choice. While other hose materials may allow gas permeation through the hose wall and into the atmosphere, metal hose, on the other hand, is not susceptible to permeation.

Abrasion and over-bending concerns
To prevent damage caused by abrasion or over-bending, a metal hose can be used as a protective cover over wires or even other hoses.

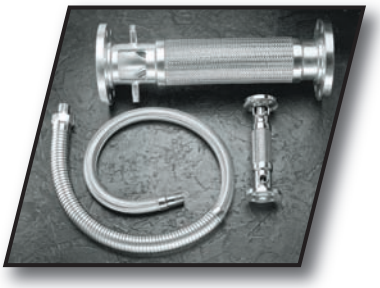
Potential for catastrophic failure
Non-metal hose types often fail by developing large cracks or suddenly coming apart completely. If a metal hose fails, however, it will typically develop only small holes or cracks. If a sudden hose failure would be catastrophic to your operation, a metal hose may minimize the damage by leaking product at a slower rate.

Fire safety
Other hose types can melt when exposed to fire or high temperatures. Metal hose, however, maintains its integrity to 1200˚ F and beyond.

Full vacuum applications
Metal hose maintains its shape even under full vacuum – a condition where other hose types may collapse.

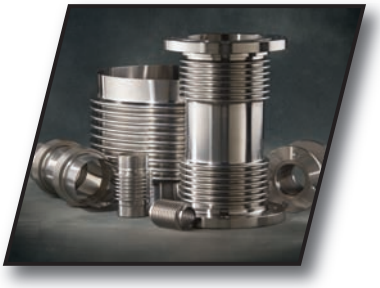
Fitting configuration flexibility
Virtually any type of fitting can be attached to metal hose, without the special shanks and collars needed with other types of hose.

Petrochemical applications for Hose Master products:



Corrugated metal hose

Steam lines
Process lines
Chlorine transfer hoses
Gas injection lines
Cryogenic lines
Resin mixing stations, load cells, and manifolds
Steam and hot oil connections to extruders
Liquid plastic resin transfer



Metal expansion joints

Steam lines
Process lines
Reforming units
Chiller/heat exchanger connections

Stripwound metal hose

Catalyst transfer
Plastic pellet loading stations
Pneumatic trailer unloading hose

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