

Products designed for chemical environments.



Hose Master engineers high quality metal hose and expansion joint solutions for use in chemical facilities and other harsh environments. We understand that chemical processing demands safe, reliable piping components, so we utilize proprietary manufacturing processes that yield products with unparalleled quality, safety, and value. Our ChlorSafeTM assemblies are industry-recognized for their resistance to both dry and wet chlorine and our certified welders and engineers can meet demanding piping codes, standards, or specifications.

Wherever corrosion resistance, increased cycle life, or reduced maintenance costs are important, our products are there to ensure less downtime. Chemical engineers trust Hose Master products for their most critical applications.

















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 overbending, 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.



Chemical applications for Hose Master products:



Corrugated metal hose

Steam lines
Piping systems or process
piping Cryogenic lines

Jacketed or traced corrugated assemblies Severe chemical corrosion assemblies

Manifold header hoses in blending departments Chlorine transfer hoses

Flexible connections to rotary unions on ball mills Freeze-drying systems

Solvent transfer lines

Barges - loading and offloading

(Coast Guard Certifications available upon request)



Metal expansion joints

Steam lines

Piping systems or process piping Process vessels

Reformers

Pump connections for vibration elimination

Vapor recovery lines, dry lines, flue gas scrubbers, baghouses

Air blower/air supply lines

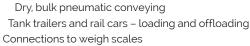
Air chillers

Condenser units

Heat exchanger shells

Pipeline connections for thermal expansion or misalignment of piping Water treatment process connections





Unloading and transfer of raw materials and end products





