

HOSE MASTER

Autoclave Assemblies

Autoclave Hose Assemblies

An array of different industries utilize autoclaves for their ability to sterilize and treat components as well as in finishing and manufacturing operations. Because they can be positive or negative pressure vessels that also apply heat, the safety and reliability of these units is always of the highest importance. In order for the autoclave to do its job, a pressure must be able to be drawn safely and efficiently. This is generally accomplished through the use of various hose assemblies that are often subjected to excessive handling before and after operation, and Hose Master has a solution that ensures top performance.

Our specialty hose assemblies have been designed and manufactured to address all the stringent application demands faced by industrial autoclave operators. Chiefly, the native strength of stainless steel corrugations under a full vacuum is truly exemplified when combined with Hose Master's proprietary manufacturing. The result is a hose with superb corrugation geometry, flexibility, and increased cycle life that offers the handling ease and reliability that operators desire.

FEATURES:

- Annular stainless steel corrugations give tremendous hoop strength to prevent collapse under full vacuum while remaining fully flexible
- End-to-end stainless steel FloppyGuard is engineered and manufactured by Hose Master for the proper fit that allows flexibility but prevents overbending and kinking
- Fully-welded high quality fabrication: ASME IX, ASME VIII, fully purged welds, all performed in an ISO controlled facility
- Instrumentation-grade assembly testing including helium mass spectrometer tests to ensure quality
- Masterflex construction increases the number of corrugations

BENEFITS:

- **Reliability.** Dependable performance during full-vacuum service and high cycle life from proprietary forming methods
- **Temperature Resistance.** 100% stainless steel construction offers the best resistance to extreme temperatures seen in and around autoclave service
- **Fully welded.** Certified, precision welds and stringent testing prevent vacuum decay
- **Ease of use.** Flexible hose with external guard designed to fit the assembly makes it easy to handle while remaining extremely robust

Hose Master is a Service and Engineering Company

As the leading North American manufacturer of metal hose and expansion joints, Hose Master has grown through product innovation to define the industry standard. We do this by designing and building our own equipment to meet the most stringent requirements in an ever more demanding marketplace.

Our engineering expertise stems from a combination of long-standing industry field experience and 10% of our total workforce being devoted to research and development. But our primary driver to change and improve our organization has always been service to our customers.

By expanding our national presence to include three additional manufacturing satellites to support our extensive outside sales force, and increasing our fabricating footprint by employing and training our 100+ ASME IX welders, we are able to provide premium fabricating and sales service across the country.

Selecting the proper hose and assembly components is crucial. You must ensure each assembly is designed specifically for your intended purpose and operating conditions. Please consult our website or Inside Sales for assistance.