



## Marine Dock Hose

### Making Crude Transport Smooth Sailing

In the United States, we use upwards of 20 million barrels of oil every single day of the year. The number of different products and uses for all this black gold are too numerous to list, but one thing is for sure: life would not be the same without oil and its byproducts. This staggering volume of oil requires an equally incredible logistics network so that it can be put to good use. And while not as prominent as pipelines, ships are often the most economical way to transport oil. Tankers can easily be made to carry more oil than 1,700 tank trucks combined, making loading and unloading them truly a large-scale operation. Generally, this is done with some form of flexible hoses that are connected for the operation while the tanker is moored, and disconnected when finished. Hose Master's metal hose assemblies provide safety, service life, and reliability in these applications over other hose types.

Several different hose types exist for making ship-to-shore and even ship-to-ship connections including composites and rubber. Composite hoses can be flexible, but often degrade over time from both the media on the inside and the environment outside, allowing elongation and permeation to take place. Rubber hoses aren't as susceptible to breakdown but can be extremely heavy and inflexible and like composite hoses, use a very large fitting that reduces the usable length of the hose. Hose Master's metal hose assemblies are made entirely of stainless steel and use welded end-fittings, removing permeation concerns and maximizing the live-length of the hose.

#### FEATURES:

- Welded fitting attachments are much more compact than barbed or integrated fittings increasing the assembly's flexible length
- Machine-braided construction ensures a perfect fit leaving no slack in the assembly, increasing its tensile strength, even in service
- Precision-manufactured hose results in lighter-weight assembly with enhanced pliability and cycle life
- Fire safe and will not bake, crack, or lose flexibility like other hoses
- Stainless steel core provides superior physical resistance to permeation and puncture
- Coast Guard and ABS certified products available  
(go to [www.hosemaster.com/certifications](http://www.hosemaster.com/certifications) for more information)

#### BENEFITS:

- **Increased Flexibility** – More live-length due to smaller attachment footprint
- **Lighter Weight** – Corrugated metal does more with less by providing strength while utilizing a thinner wall of material compared to other hose types
- **Reliability** – Stainless steel provides increased resistance to the elements, permeation, and is fire-safe

### 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.*