



## DRAINMASTER DRAIN LINE HOSE SWIVEL

*Draining the water from any external floating roof is a key issue in the safety and integrity of the external floating roof tank. A well functioning drain system will drain all water on the roof and will not build up any sediment inside. The submerged placement of seals and connections provides an extra challenge for any drain design. The CTS Drainmaster system is a very reliable way to deal with these challenging conditions. Consisting of a reinforced composite hose fitted in a metallic pivoting joint it represents the ideal long-lasting swivel for this application.*

*CTS is able to design, manufacture, supply and install tank drain lines with the Drainmaster or with high quality swivels. Both designs guarantees a long service life. This complete system includes all connections and pipe work and is ready to be installed.*



CTS Drainmaster swivels ready for shipping.

### Features

- Drainmaster hose swivels can be supplied in 3", 4" 6", 8", 10" and 12"
- Flange dimensions and materials can be supplied in all international standards
- Designed for submerged service in aggressive environments
- Maintenance free
- Service life in well in excess of 20 years
- Easy installation
- Suitable for 100% aromatics
- No interference with objects in the tank or roof legs
- No sediment built up as the drain line arrangement has a continuous slope
- No tank modifications required
- Suitable for use as foam delivery system
- Develops minimal lateral forces on floating roof
- Can be installed with a rotation stop for a defined angle

## DRAINMASTER DRAIN LINE HOSE SWIVEL

### Specifications

#### Hose:

Inner wire	SS316 (1.4401)
Lining	Polypropylene (PP)
Outer cover	Hostaflon (PTFE with PE added for maximum tightness)
Outer wire	SS316 (1.4401)
Operating pressure	max. 14 bar
Vacuum	Suitable for vacuum up to -0.85 bar
Temperature range	-20°C up to +100°C

#### Pivot frame:

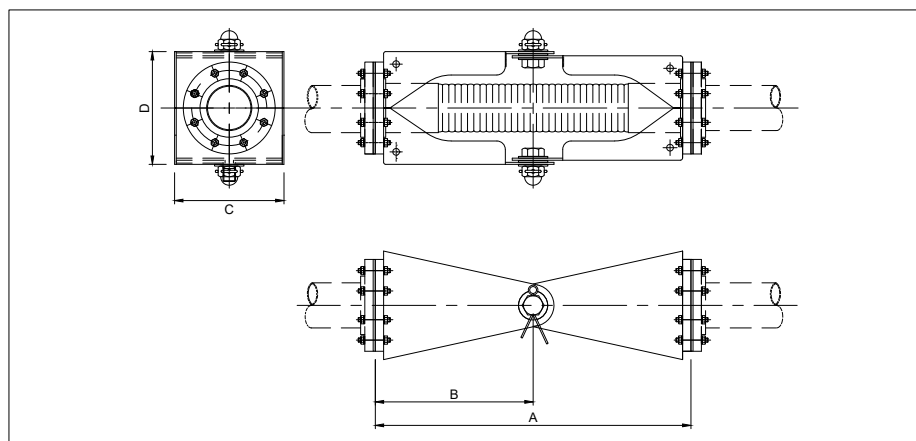
CS (non-treated, galvanised or painted), SS304L (1.4304), SS316L (1.4404), other materials are available upon request

### Construction

The hose of the CTS Drainmaster is constructed from layers of fabric, reinforced with a stainless steel inner and outer helix and swaged to carbon steel tailpieces with flanges. The selected fabric materials consist

of various layers of elastomeric materials, that are especially selected for submerged use without product permeation through the fabrics. These special fabric materials make the pivot suitable for the most aggressive products like MTBE and

100% aromatics. Our extensive experience with composition of hoses ensures a long term performance of our Drainmaster system. The protecting flexible joint is executed with maintenance free bearings and eliminates stresses and strains on the hose. It can be fabricated from different grades of stainless steel and carbon steel.



Drainmaster drain line hose swivel technical drawing.

### Safety and certifications

The Drainmaster composite hoses comply with international standards such as EN 13765:2003 and IMO IBC code. Although Drainmasters are rainwater drains experiencing low pressures when in use, the integrity of the assembly is checked by testing to 10 bar with water. Full and detailed test- and 3.1 material certificates are supplied as a standard.

## PRODUCT DATA

### Drainmaster drain line hose swivel

Internal diameter	A	B	C	D	Weight
inches	mm	mm	mm	mm	kg
3	620	310	230	195	35
4	750	375	270	235	47.5
6	950	475	365	310	85
8	1,300	650	430	385	135

All our product information and specifications are drafted with extreme care but can be subject to change. We reserve the right to change product specifications.

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