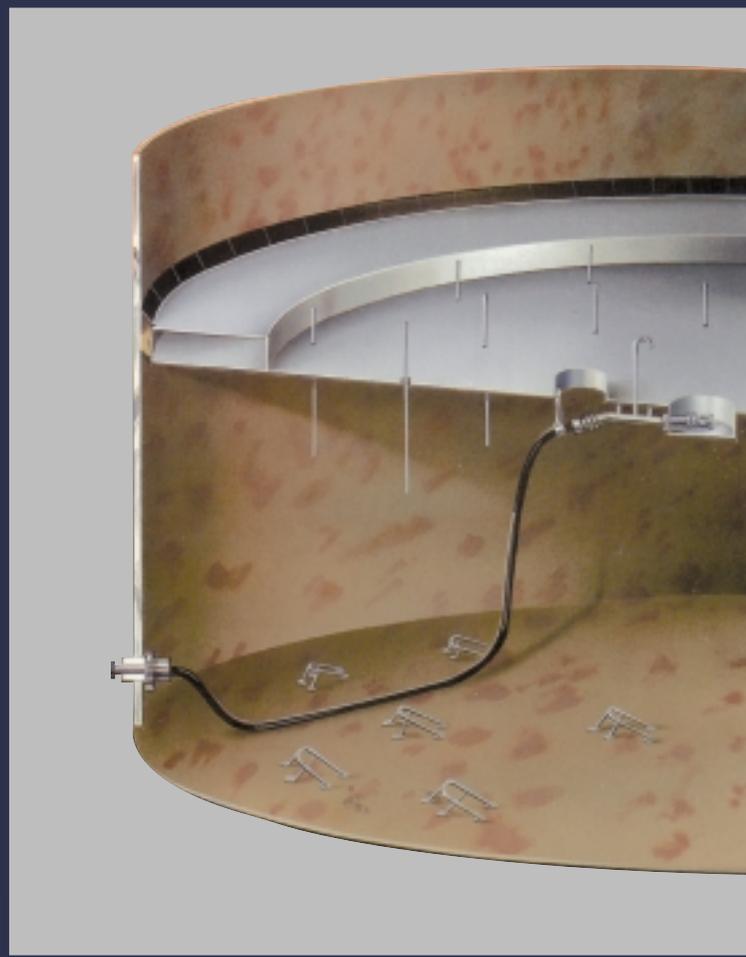


CTS DRAIN HOSE FOR EXTERNAL FLOATING ROOF TANKS



Draining rain water from an external floating roof is important to make sure the external floating roof will not built up too much water on top, which could even cause sinking of the roof. CTS has developed an excellent solution by introducing tank drain hoses for this application. The major advantage of a hose is that it does have a minimum number of connections, therefore eliminating much of the potential problems with other drain systems. As the CTS drain hose is a complete system, including the connections, the lead ballast cable and the suspension system it is easily installed by a (contractor) crew. Each hose is individually tested prior to shipment, to ensure its performance. As a result of the flexible nature of the drain hose, it will even be able to deal with frozen rain water inside.

Drain hose features:

- suitable for 100% aromatics
- no vulnerable swivels
- will tolerate rain water freezing inside
- continuous slope, no trapping of liquids
- fast and easy installation
- can be equipped with spark-free flanges
- fast delivery
- pressure tested and certified, before shipping and if required after installation



CTS Tank Drain Hose, Specifications:

Product description:	Hose system designed for immersion inside storage tanks to drain rain water from a floating roof				
Size:	3" i.d. [76mm], 4" id [102mm] and 6" id [152mm], other sizes available on request				
Length:	Up to 40 metres in one-piece and continuous lengths				
Applications:	Flexible hose assemblies for immersion inside storage tanks to drain rainwater from the floating roof. Specially compounded covers are used to resist immersion in high aromatic or corrosive liquids				
Lining:	Smooth bore, mandrel built, Nitrile (NBR) or Neoprene (CR) lined hose, depending on the type of hose specified or required				
Reinforcement:	Textile cord reinforcement with a high tensile wire helix to resist collapsing by external pressure when immersed				
Pressure:	Although these hoses are rainwater drains experiencing low pressures when in use, the integrity of the hose assemblies is checked, after ballasting, by testing to 10 bar with water and vacuum testing to -0.85 bar. Full and detailed test and material certificates are supplied as a standard				
Cover:	Smooth wrapped finish in the following materials:				
	Specification	Rubber quality	Content		
	CTS604	Nitrile	Aromatic content up to 50%		
	CTS608	PVC/Nitrile	Aromatic content up to 70%		
	CTS603	Viton ®	Aromatic content up to 100%		
Lead ballast and branding:	Each hose assembly incorporates a permanently attached lead covered stainless steel cable to prevent the hose from floating in the stored product. A longitudinal white stripe is permanently branded on the cover of each hose to ensure correct alignment. All hoses are supplied electrically continuous. Clamps and chains for roof attachment are supplied and the roof end of each hose is marked as follows:				
	"ATTACH THIS END TO ROOF"				
Hose dimensions:	Bore size (inches)	Nominal outer diameter (mm)	Nominal outer diameter (mm)	Nom weight incl. ballast cable (kg/m)	Min. bend radius (mm)
	3	76	97	9.8	460
	4	102	125	12.5	610
	6	152	183	26.2	915
Flanges:	Generally mild steel nipples with fixed ASA150 R/F flanges are supplied. Other flanged drillings and material types are available including swivel flanges and bronze flanges. The ballast connection is a stainless steel threaded section permanently welded to the hose nipple. The ballast is secured with two threaded stainless steel nuts retaining the cable loop which is itself secured with two stainless steel U type clamps with double nuts				



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