



CTS DRAIN HOSE FOR EXTERNAL FLOATING ROOF TANKS

Especially in climates with high rainfall water can accumulate on the external floating roof. Adequate draining of this rain water is a very important aspect of safe and reliable operation of storage tanks with external floating roofs.

Drain water on external floating roofs may contain sediments and debris, which causes the drains to malfunction. Also the placement of the drains inside the stored product makes the drain design challenging. The CTS drain solutions take these important aspects into consideration. Out drain solutions include the drain master system, swivel joint system, drain hose and flextube system.

Drain hose

CTS tank drain hoses are a proven solution for the challenging draining of rain water on external floating roofs. The major advantage of these hoses is its simplicity in design. It has a limited amount of connections and therefore high reliability. To avoid floating the CTS drain hose includes a lead ballast cable and suspension system. The drain hoses is even able to accommodate frozen drain water.

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.

Solutions

- Drain hoses can be supplied in 3", 4" and 6"
- Flange dimensions and materials can be supplied as per all international standards
- Suitable for 100% aromatics or corrosive liquids
- Length up to 40m
- Designed for submerged service in aggressive environments
- Service life in well in excess of 20 years
- Steel hose protectors can be supplied as an option

Highlights

- Suitable for 100% aromatics.
- No tank modifications required
- Lightweight compared to conventional swivel drains
- Develops minimal lateral forces on floating roof
- Maintenance free

TANK DRAIN HOSES

Construction

Lining	Nitrile (NBR) or Neoprene (CR)
Reinforcement	Textile cord with a high tensile wire helix against collapsing
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%
Flanges	Mild steel nipples with fixed ASA150 R/F
	Other flanges, including bronze and swivels, and material types on request
Ballast connection	Stainless steel threaded section welded to the hose nipple
Lead ballast	Each hose assembly incorporates a permanently attached lead covered stainless steel cable to prevent the hose from floating in the stored product. 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. Clamps and chains for roof attachment are supplied as well.

PRODUCT DATA

Tank drain hose

Bore size	Nominal inner diameter	Nominal outer diameter	Nom weight incl. ballast cable	Min. bend radius
inches	mm	mm	kg/m	mm
3	76	97	9.8	460
4	102	125	12.5	610
6	152	183	26.2	915

Other sizes on request.



Drain hose artist impression.



CTS tank drain hose at centre sump.



Leg protector.

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

REVISION NO.: 201904



CTS GROUP

PARTNER IN
TANK STORAGE
SOLUTIONS.

HEAD OFFICE

CTS NETHERLANDS B.V.

Riga 10
2993 LW Barendrecht
The Netherlands

TEL +31 (0)180 531 027

FAX +31 (0)180 531 848

EMAIL netherlands@cts.global

WEB www.cts.global