

Floating Roof Storage Tanks

LHDC Rim Seal Fire Detection Ancillaries

ATEX Certified Automatic Cable Reeler

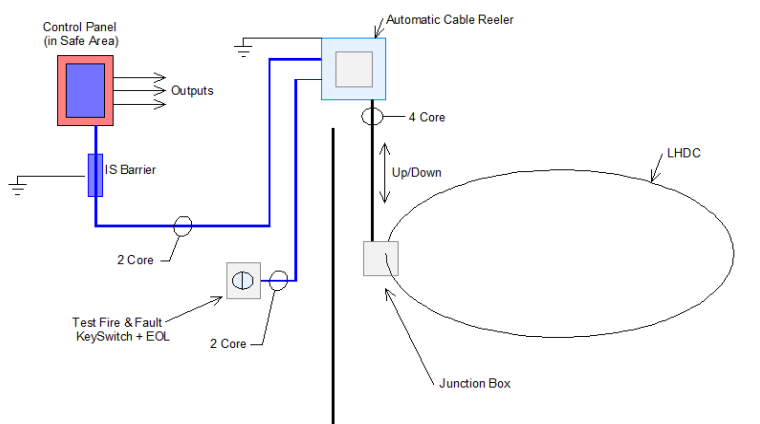


A rim seal fire detection system using Linear Heat Detection Cable (LHDC) can be installed at the edge of the rim seal of a floating roof tank. An automatic cable reeler provides the electrical connection between LHDC and control panel and accommodates the rise and fall of the floating roof.

The Patol Automatic Cable Reeler is installed at the top of the tank with the cable connected to the junction box located on the floating roof. The Automatic Cable Reeler adjusts for the movement of the roof, uncoiling cable when the level falls, and winding the cable when the level rises. This can also be used on a storage tank with Fixed roof and Internal Floating roof with alternative mounting arrangements.

The mechanism is enclosed within a stainless steel cabinet. The connecting cable is resistant to chemical and high temperatures. A removable plate allows inspection and maintenance of the spring without the need to remove the unit.

Floating Roof Electrical Schematic



Features

Rim seal Fire Detection for use with Linear Heat Detection Cable (LHDC)

ATEX certified

Automatic Cable Reeler to accommodate up and down movement

Can be mounted both horizontally and vertically

IP42 rating

Removable plate to allow inspection and maintenance of the spring without the need to remove the unit

Intrinsically safe operation when using certified Barriers/Isolators

Specification

Dimensions:	HxWxD	126mm x126mm x80mm
Weight:		25Kg
Operating Temperature :		-20°C - +70°C
Materials:		Stainless Steel AISI 316 or AISI 304
		Internal Spring : Carbon Steel

Ordering Information

Description	Part Number
Automatic Cable Reeler	
Stainless Steel AISI 316 with Stainless Steel Junction Box	700-554
Stainless Steel AISI 304 with Polyester Junction Box	700-553

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LHDC End Of Line Terminator with Fire and Fault Test Key Switches



End Of Line Terminator

Dimensions: HxWxD 126mmx 126mm x 80mm

Weight: 1.1Kg

Material: Stainless Steel AISI 316

IP Rating: IP66

Glands: M16 Brass Nickel x 1

Ordering Information

End Of Line Terminator c/w Fire and Test Switch

Stainless Steel AISI 316 (DIM) 700-520

Stainless Steel Junction Box



Junction Box

Dimensions: HxWxD 126mmx 126mm x 80mm

Weight: 1Kg

Material: Stainless Steel AISI 316

IP Rating: IP66

Glands: M16 Brass Nickel x 1

M12 Brass Nickel x 2

Ordering Information

Junction Box

Stainless Steel AISI 316 700-523