

SECTION 2 - SYSTEM COMPONENTS

Discharge Pressure Switch

The pressure switch is activated by pressure from the agent during discharge and can be used to signal to a control panel that the system has actually discharged. The pressure switch latches on operation and has a reset plunger.



Figure 36 - Discharge Pressure Switch
(Part No. 437900)

Technical Information

Housing:	C.R. Steel (Painted Red)
Body:	C37700 Forged Brass
Switch Point:	2.8 bar Rising (40 psi)
Tolerance:	± 0.7 bar (± 10 psi)
IP Rating:	IP65
Electrical Connection:	1/2 in. and 3/4 in. Conduit Knockouts with #6-32 UNC Terminal Screws
Pressure Connection:	3/8 in. NPT Male
Max. Working Pressure:	3.4 bar (50 psi)
Max. Operating Pressure:	200 bar (2900 psi)
Pressure:	
Electrical Ratings:	10A 250v ac; 15A 125v ac; 3/4HP, 250v ac; 1-, 2-, or 3-phase
Switch Configuration:	Three Pole, Double Throw (3PDT)
Installation Environment:	non-corrosive / indoor
Overall Size:	114mm (L) x 114mm (H) x 67mm (W) (4.49 in. (L) x 4.49 in. (H) x 2.64 in. (W))
Weight:	1.0 kg (2.20 lb)

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Fixing Brackets

The bracket assembly consists of a nut, bolt, and two bracket straps (back channel must be supplied by others).

Approved type of Unistrut Channel is series P1000T, 41 mm x 41 mm (1.6 in. x 1.6 in.). To securely hold the container in position during the system discharge, a single bracket assembly is required per container.

Each strap is notched for insertion into the back channel allowing the container to be properly aligned. The bracket assembly is designed to be mounted to a rigid vertical surface with the container assembly resting fully on the floor.

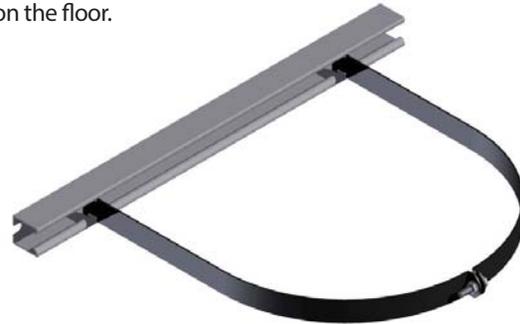


Figure 8 - Fixing Bracket (Strap Style)

Part Number	Container Size	Nominal Length of Back Channel mm (in.)
570085	34 litre 265 mm dia. (10.5 in.)	400 (15.75)
570085	80 litre 265 mm dia. (10.5 in.)	400 (15.75)
570092	120 litre 406 mm dia. (16 in.)	600 (23.6)
570842*	120 litre 356 mm dia. (14 in.)	600 (23.6)
570092	140 litre 406 mm dia. (16 in.)	600 (23.6)
570092	180 litre 406 mm dia. (16 in.)	600 (23.6)

*Only available to Special Order.

Technical Information

Material:	Mild Steel
Coating:	Black Polyethylene powder-Plascoat LDPE
Mounting:	Unistrut Channel (By others)
Weight of Strap:	0.30 kg (0.66 lb) (Part No. 570086 - 34, 80L) 0.51 kg (1.12 lb) (Part No. 570841 - 120L 570093 - 180L)
Weight of Assembly:	1.58 kg (3.48 lb) (Part No. 570085) 2.43 kg (5.35 lb) (Part No. 570842) 2.43 kg (5.35 lb) (Part No. 570092)