Technical Datasheet

Chemical gas systems - FSL 1230™ / FSL 5112™

42 bar Container Valve Pressure Switch NF285024 (N/O) - NF285014 (N/C)

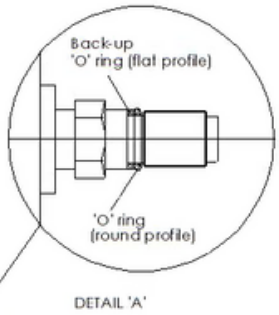
The pressure gauge incorporating low pressure switch is connected to the cylinder valve via the M10 x 1 port. When fitting the pressure gauge, screw the unit into the port until it stops (finger tight), if necessary, turn it back to a maximum of one revolution for correct orientation of the gauge dial. Before screwing the gauge into place, check that the 'O'–ring seal and back-up ring are not damaged.

If 'O'–ring replacement is required please note the installation diagram shown here.

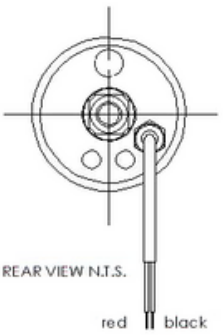
It is possible to mount and remove the gauge while the container valve is pressurised.

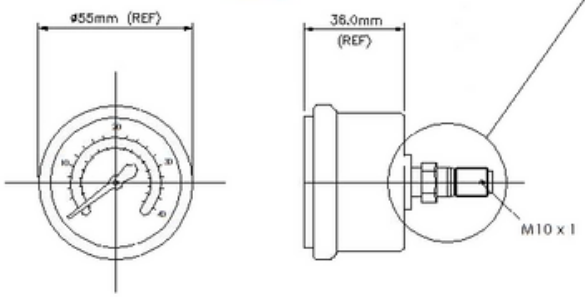
TECHNICAL SPECIFICATIONS

Prange = 0-60 bar
Pswitch = 38 bar +/- 0.9 bar
U = 4.5 VDC/VAC
I = 5 - 100 mA
Pmax = 2.4 W



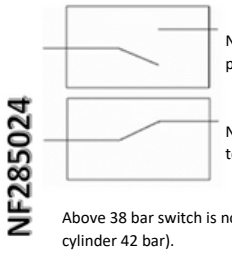
DETAIL 'A'





Kentec Sigma XT panel

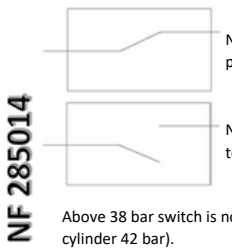
NF285024 Event	NF285014 Event	Message	Fault	Alarm
Switch Open	Switch Closes	Exting Press Fault	Fault light	Buzzer
Short Circuit A	Short Circuit A	Low Press I/P Fault	Fault light	Buzzer
Open Circuit B	Open Circuit B	Low Press I/P Fault	Fault light	Buzzer



Normally Open when cylinder pressure low (i.e. <38 bar)

Normally Closed when connected to pressurized cylinder

Above 38 bar switch is normally closed (correctly pressurized cylinder 42 bar).
If cylinder pressure drops below 38 bar the switch opens and the circuit is broken. Minimum 38 bar are required to keep switch closed and maintain monitoring circuit



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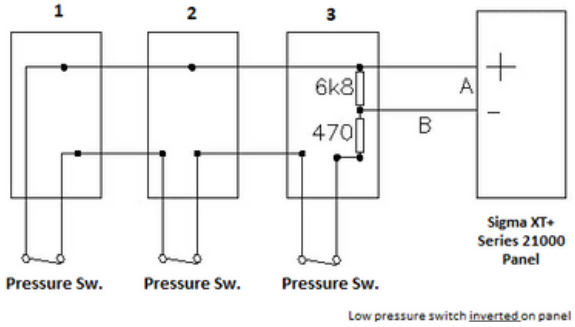
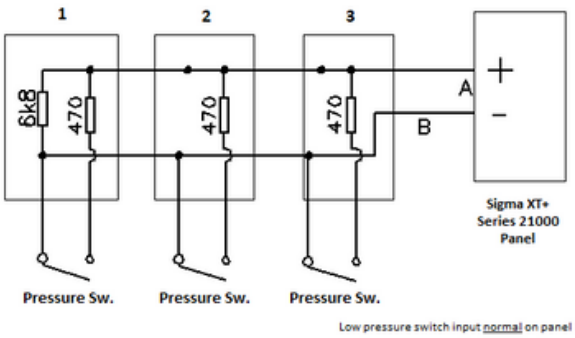


Low pressure switch inverted on panel



Low pressure switch input normal on panel

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