

Container Valve Pressure Switch (standard) • FSL Chemical gas systems

designed for use with

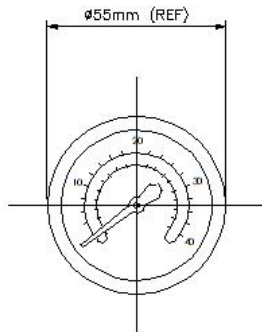
Clean Agent Chemical Gaseous Suppression Systems

The pressure gauge incorporating low pressure switch is connected to the cylinder valve via the M10 x 1 port. An optional M10 x 1 port is provided on the other side of the valve so when the cylinder is bracketed to the wall the valve outlet can be positioned in either direction. Ensure the unused port is sealed with a blanking plug.

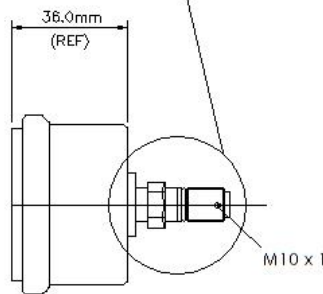
When fitting the pressure gauge screw it into the port until it stops (finger tight) and then turn back if necessary for a maximum of one revolution for correct orientation of the gauge dial.

Before screwing in the gauge check to see that the 'O'-ring seal and back-up ring are not damaged. If 'O' ring replacement is required note the installation diagram (Detail A) shown here.

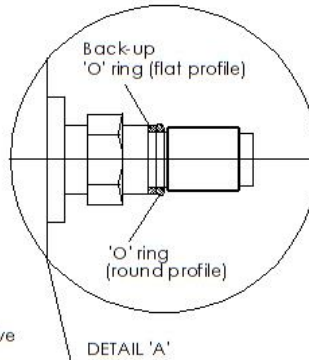
The gauge can be mounted and removed with the valve pressurized.



FRONT ELEVATION N.T.S.

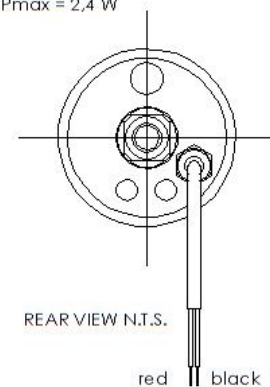


SIDE VIEW N.T.S.



TECHNICAL SPECIFICATION

Prange = 0 - 40 bar
 Pswitch = 22,5 bar +/- 0,9 bar
 U = 4,5 - 24VDC / VAC
 I = 5 - 100 mA
 Pmax = 2,4 W

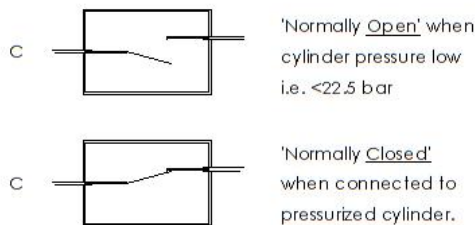


REAR VIEW N.T.S.

Kentec Sigma XT

| Event | Message | Fault | Alarm |
|-----------------|---------------------|-------------|--------|
| Switch Open | Exting Press Fault | Fault Light | Buzzer |
| Short Circuit A | Low Press I/P Fault | Fault Light | Buzzer |
| Open Circuit B | Low Press I/P Fault | Fault Light | Buzzer |

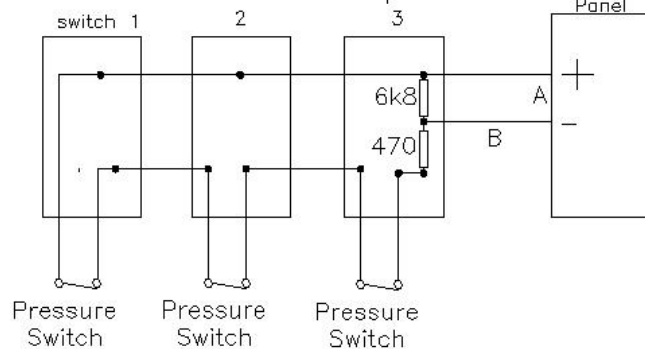
WIRING INFORMATION



Above 22.5 Bar switch is 'Normally Closed'. (Correctly pressurized cylinder 25 bar).

If cylinder pressure drops below 22.5 bar the switch opens and the circuit is broken. Minimum 22.5 Bar required to keep switch closed and maintain monitoring circuit.

Shown all containers above pressure



For Kentec Panel:

- Low pressure switch input **Inverted** on panel.
- Circuit Valid For Sigma XT+Series 21000 Other panels may Vary.

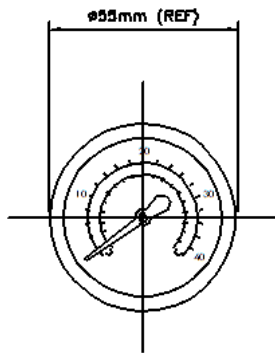
Container Valve Pressure Switch (special order)

The pressure gauge incorporating low pressure switch is connected to the cylinder valve via the M10 x 1 port. An optional M10 x 1 port is provided on the other side of the valve so when the cylinder is bracketed to the wall the valve outlet can be positioned in either direction. Ensure the unused port is sealed with a blanking plug.

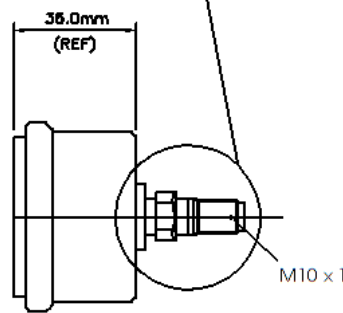
When fitting the pressure gauge screw it into the port until it stops (finger tight) and then turn back if necessary for a maximum of one revolution for correct orientation of the gauge dial.

Before screwing in the gauge check to see that the 'O'-ring seal and back-up ring are not damaged. If 'O' ring replacement is required note the installation diagram (Detail A) shown here.

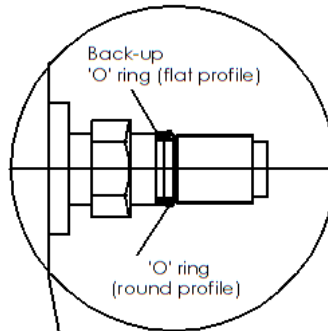
The gauge can be mounted and removed with the valve pressurized.



FRONT ELEVATION N.T.S.



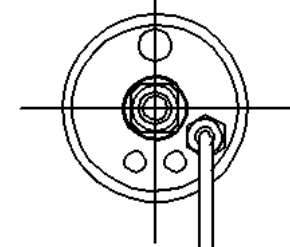
SIDE VIEW N.T.S.



DETAIL 'A'

TECHNICAL SPECIFICATION

Prange = 0 - 40 bar
 Pswitch = 22,5 bar +/- 0,9 bar
 U = 4,5 - 24VDC / VAC
 I = 5 - 100 mA
 Pmax = 2,4 W



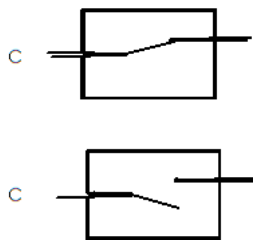
REAR VIEW N.T.S.

red black

Kentec Sigma XT

| Event | Message | Fault | Alarm |
|-----------------|---------------------|-------------|--------|
| Switch Closes | Low Press I/P Fault | Fault Light | Buzzer |
| Short Circuit A | Low Press I/P Fault | Fault Light | Buzzer |
| Open Circuit B | Low Press I/P Fault | Fault Light | Buzzer |

WIRING INFORMATION



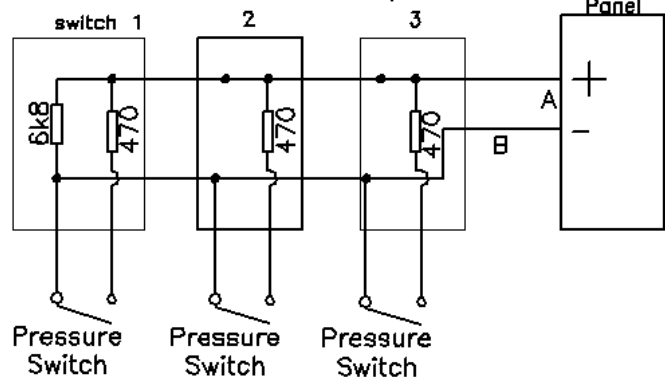
'Normally Closed' when cylinder pressure low i.e. <22.5 bar

'Normally open' when connected to pressurized cylinder.

Above 22.5 Bar switch is 'Normally Open'.
 (Correctly pressurized cylinder 25 bar).

If cylinder pressure drops below 22.5 bar the switch Closes and the circuit is Completed. Minimum 22.5 Bar required to keep switch Open and maintain monitoring circuit.

Shown all containers above pressure



For Kentec Panel:

- Low pressure switch input 'normal' on panel.
- Circuit Valid For Sigma XT+Series 21000 Other panels may Vary.