

HAZARDOUS LOCATION PRESSURE CONTROL

Electro-Pneumatic Closed-Loop Pressure Control Valves



ISQBF

FM Approved
Non-Incendive*

ISQBX

FM Approved
Intrinsically Safe**



Select supply voltage:

P1 = 12 VDC : 11 to 14.5 VDC (MAX)

P2 = 15-24 VDC : 13.5 to 29 VDC (MAX)



ISQB3

FM Approved
Intrinsically Safe**

ISQB4

FM Approved
Intrinsically Safe**



HAZARDOUS AREA PRESSURE CONTROL

Electro-Pneumatic Closed-Loop Pressure Control Valves



ISQBF ISQBX ISQB3 ISQB4

HAZARDOUS AREA CLASSIFICATIONS	Non-Incendive*	Intrinsically Safe**	Intrinsically Safe**	Intrinsically Safe**
PRESSURE RANGE	Full Vacuum to 150 psig (10 Bar)			
ACCURACY	±0.5% F.S.	±0.5% F.S.	±0.5% F.S.	±0.5% F.S.
REPEATABILITY	±0.5% F.S.	±0.5% F.S.	-	-
FLOW RATE	.80 SCFM @ 80 psig	.80 SCFM @ 80 psig	30 SCFM @ 110 psig	200 SCFM @ 120 psig
PORTS	1/8" NPT	1/8" NPT	1/4" NPT	1/2" NPT
MIN CLOSED END VOLUME	1 in ³	1 in ³	3 in ³	5 in ³
SUPPLY VOLTAGE	Specify 12 or 15-24 VDC	15-24 VDC Standard	15-24 VDC Standard	15-24 VDC Standard
CURRENT	<80 mA	<80 mA	<80 mA	<80 mA
COMMAND SIGNAL	4-20 mA differential	4-20 mA differential	4-20 mA differential	4-20 mA differential
IMPEDANCE	100Ω	100Ω	100Ω	100Ω
FILTRATION RECOMMENDED	40 Micron (Included)	40 Micron (Included)	100 Micron	100)) Micron

ADDITIONAL NOTES	<ul style="list-style-type: none"> Operating temperature: 32-104° F (0-40° C) (T4) Housing: Blue Anodized Aluminum
HAZARDOUS AREA CLASSIFICATIONS	<p>*Non-Incendive for Class I, II, Division 2, Groups C, D, E, F and G with an Intrinsically Safe process connection for Class I, II, III Division 1, Groups C, D, E, F, and G hazardous (classified) locations with an ambient temperature rating of -25°C to +40°C. May be used with any non-corrosive compressible media compatible with the wetted materials.</p> <p>Special Condition for Use With Intrinsically Safe Process Connections: Intrinsically safe process connections refers to process connections that under any condition of installation or operation will not change the nature of the hazardous (classified) area from a Division 2 to a Division 1 location.</p> <p>**Intrinsically Safe for Class I, II, III Division 1, Groups C, D, E, F, and G hazardous (classified) locations in accordance with drawing ISQB-96026-2 with an ambient temperature rating of -25°C to +40°C.</p> <p>Special Condition for Use: The apparatus enclosure contains aluminum which is considered to constitute a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction.</p> <p>Entity Parameters: V Max=29 VDC I Max=150 mA Ci=0.26uF Li=0</p>

Hazardous Location Series-3-v1