

PROPORTIONAIR

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HAZARDOUS LOCATION PRESSURE CONTROL

Electro-Pneumatic Closed-Loop Pressure Control Valves



ISQBF

FM Approved
Non-Incendive*

Select supply voltage:
P1 = 12 VDC : 11 to 14.5 VDC (MAX)
P2 = 15-24 VDC : 13.5 to 29 VDC (MAX)



ISQBX

FM Approved
Intrinsically Safe**



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)	Full Vacuum to 150 psig (10 Bar)	Full Vacuum to 150 psig (10 Bar)	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>