FQB2/PSR

PRESSURE RANGE	up to 150 psig *(10 Bar)*
ACCURACY | REPEATABILITY	±4% F.S. | ±0.25% F.S.
MAX FLOW	250 SCFM *(7,080 slpm)*
PORTS	¼" to 1½" NPT

Optional Digital Display Available
Oxygen Service Available

The FQB2/PSR/F-Series allows for high flow closed loop flow control offering active " real time" flow control. The FQB2 compares the command signal from the customer's controller with feedback from the F-Series flow transducer for active closed loop control. The pressure compensated model controls flow regardless of input pressure fluctuation (up to 50% fluctuation). They can be used to control the velocity of pneumatic cylinders with great repeatability.

Standard industrial air quality filtered to 40 micron will not harm this controller. Saturated air and lubed air will not affect performance.

FCV

PRESSURE RANGE	up to 250 psig *(17 Bar)*
ACCURACY | RESOLUTION	±5% F.S. | ±0.3% F.S.
VALVE Cv	0 to 19 Linear to Command
PORT	1" NPT

303 Stainless Steel Valve Body with 300:1 Turndown Ratio

The FCV flow control valve is a robust flow control product that compares a command signal input with feedback from an on-board LVDT to proportionally control Cv. The maximum valve travel is 1 inch. An analog monitor output showing position of the plug from the seat can be used for data acquisition. A double-lip radial seal takes the place of standard valve packing so packing nut adjusting is eliminated. Seal replacement and seat replacement can be accomplished without removing the valve body from piping.

The FCV is available with 0-10 VDC differential or 4-20 mA differential command signal. Valve position monitor can be 0-10 VDC or 4-20 mA. Parabolic valve trim allows output to be linear and proportional to command input. Reduce trim of 3/4" available. The FCV contains a replaceable seat and trim.