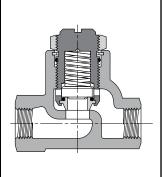
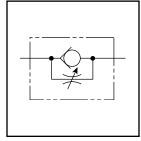
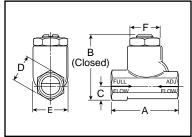
Flow Control Valves









Technical Specifications

Body	Brass
Port Size	1/8", 1/4", 3/8", 1/2", 3/4"
Internal Components	Brass, Stainless Steel
Seals	Buna N
Operating Temperature	Standard: 0°F to 180°F
	Extended Options: 0°F to 300°F

Operating Pressures:

Air	250 PSIG
Hvdraulic	

Valve will operate mounted in any position.

Lock nut on metering screw prevents change in setting during operation.

Application

The "3250" Series Flow Control Valves are specifically designed to accurately meter the flow of air in one direction and allow free flow in the opposite direction. The "3250" Series Flow Control Valves are also suitable for low pressure hydraulic service.

Operation

When air is moving in the free flow direction through the valve, it forces the poppet off its seat and unrestricted air flow is permitted.

When air is moving in the metered direction through the valve, air pressure and the force of the poppet spring causes the poppet to close. Flow must then be through the orifice that is controlled by the metering screw. Opening this screw allows more flow; closing it, less flow.

Flow Rating (SCFM)

Flow Path	Valve Port Size						
FIOW Falli	1/8"	1/4"	3/8"	1/2"	3/4"		
Maximum Flow in Metered Direction	70	130	220	295	420		
Maximum Flow in Free Flow Direction	60	120	205	346	615		

Flow ontrols

Sensing

Contro Panel

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Model Selection Information and Dimensions

Model Number	03250 0119		03250 0219		03250 0319		03250 0419		03250 0519	
Port Size NPTF	1/8"		1/4"		3/8"		1/2"		3/4"	
	Inches	mm								
Α	1.75	45	2.33	59	2.66	68	3.11	79	3.56	90
В	1.56	40	1.97	50	2.44	62	3.06	78	3.69	94
С	0.37	9	0.44	11	0.56	14	0.75	19	0.88	22
D	0.62	16	0.75	19	1.00	25	1.25	32	1.50	38
E	0.81	21	1.09	28	1.38	35	1.63	41	2.00	51
F	0.68	17	0.94	24	1.19	30	1.38	35	1.75	44

