

3250 Series Flow Control Valves, 1/8" to 3/4" Ports

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.

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.



Operating information

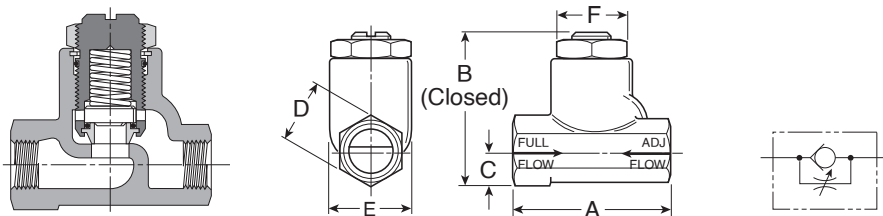
Operating pressure: 250 PSIG (Air)
250 PSIG (Hydraulic)

Operating temperature:
Standard: 0°F to 180°F
Extended: 0°F to 300°F

Valve will operate mounted in any position. Lock nut on metering screw prevents change in setting during operation.

Material Specifications

Body	Brass
Internal Components	Brass, Stainless steel
Seals	Buna N



3250 Flow Control Valves, 1/8" to 3/4" Ports – NPT

Port Size	Max. Flow (SCFM)		A	B	C	D	E	F	Part Number
	Metered Direction	Free Flow Direction							
1/8"	70	60	1.75	1.56	0.37	0.62	0.81	0.68	032500119
1/4"	130	120	2.33	1.97	0.44	0.75	1.09	0.94	032500219
3/8"	220	205	2.66	2.44	0.56	1.00	1.38	1.19	032500319
1/2"	295	346	3.11	3.06	0.75	1.25	1.63	1.38	032500419
3/4"	420	615	3.56	3.69	0.88	1.50	2.00	1.75	032500519

3250 Flow Control Valves, 1/8" to 3/4" Ports – BSPP

Port Size	Max. flow (SCFM)		A	B	C	D	E	F	Part Number
	Metered Direction	Free Flow Direction							
1/8"	70	60	1.75	1.56	0.37	0.62	0.81	0.68	3250G0119
1/4"	130	120	2.33	1.97	0.44	0.75	1.09	0.94	3250G0219
3/8"	220	205	2.66	2.44	0.56	1.00	1.38	1.19	3250G0319
1/2"	295	346	3.11	3.06	0.75	1.25	1.63	1.38	3250G0419
3/4"	420	615	3.56	3.69	0.88	1.50	2.00	1.75	3250G0519

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