

# New Product Introduction

## Compact, Low Profile Flow Control Valves Port Sizes 1/8, 1/4, 3/8, and 1/2

### STANDARD SPECIFICATIONS:

#### Temperature Range:

Ambient/Media: 41° to 140°F (5° to 60°C).

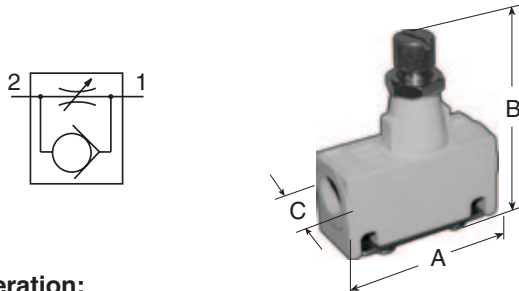
**Flow Media:** Filtered air; 5 micron recommended.

#### Pressure Range :

Supply Pressure: 217 psi (14.9 bar).

Maximum Operating Pressure: 150 psi (10.3 bar).

**Port Threads:** NPT, BSPP. For BSPP threads add a "D" prefix to the model number e.g., D1968F1004.

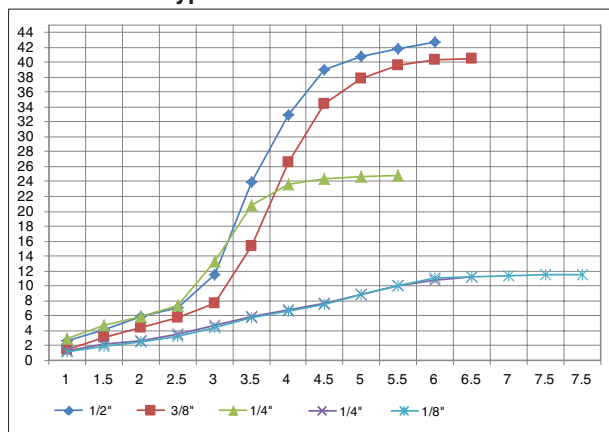


### Operation:

To increase flow: Turn adjustment screw out.

To decrease flow: Turn adjustment screw in.

Typical Performance Curve



### GENERAL:

ROSS flow control valves provide high air flow rates into a cylinder, and precisely controlled flow rates out of the cylinder. The adjustable flow can range from near zero to full flow.

Selecting flow control valves with sufficient flow capacity is important so that they do not become the limiting factor in the cylinder control system. Full flow capacity should match that of the control valve to keep cylinder motion smooth and predictable in both directions.

Port Size	Valve Model Number	Avg. C <sub>v</sub> (Fully open)	Dimensions inches (mm)			Weight lb (kg)
			A	B	C	
1/8	1968F1004	0.5	1.6 (41)	1.6 (41)	0.6 (16)	0.11 (0.05)
1/4 OT	1968F2004	0.5	1.6 (41)	2.1 (54)	0.8 (20)	0.13 (0.06)
1/4	1968F2007	2.3	2.6 (67)	2.75 (70)	1.2 (30)	0.43 (0.19)
3/8	1968F3007	2.3	2.6 (67)	2.75 (70)	1.2 (30)	0.41 (0.18)
1/2	1968F4007	2.3	2.6 (67)	2.75 (70)	1.2 (30)	0.38 (0.17)

Other Flow Controls Valves available, please visit [www.rosscontrols.com](http://www.rosscontrols.com) for more options.  
For additional information or order placement, consult ROSS.

**WARRANTY and CAUTIONS** Standard ROSS warranty and cautions apply, available upon request or at [www.rosscontrols.com](http://www.rosscontrols.com).



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