Series CV7500 Control Valves

KEY INSTRUMENTS

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Series CV7500 Control Valves

DESCRIPTION

The **CV7500 Control Valves** are designed for low flow applications for laboratory instrumentation, bench-top flow control and OEM use. The valve design and available materials make the valves suitable for use with a variety of gases and liquids. The valves are available in straight-through or 90° angle body configurations and are available in brass or stainless steel with 1/8" FNPT ports. Separate cartridge valves are also available for OEM applications.

FEATURES

- Flow ranges from 5 CCM to 68 LPM air
- Standard Valve – 9 turns to open
- Precision Valve – 16 turns to open
- Precision Valve offers non-rising stem design
- 316 stainless steel or brass
- Panel-mountable design
- Positive shutoff
- Color knobs optional

SPECIFICATIONS

Body Materials	316 Stainless Steel or Nickel-plated Brass
Valve Stem	316 Stainless Steel
Seals	Viton®, Buna-N
Orifice – Standard	316 Stainless Steel
Orifice – Precision	Kel-F®
Max. Temperature (Stainless Steel)	250° F (121° C)
Max. Temperature (Brass)	130° F (54° C)
Max. Pressure (Stainless Steel or Brass)	250 PSIG

Valve Type	Taper Size	Max. Flow CCM Air	Air CV	Max. Flow CCM Water	Water CV
CVS	1	13,000	0.031	385	0.032
CVS	2	46,000	0.111	1,560	0.130
CVS	3	68,000	0.164	3,100	0.259
CVP	1	253	0.001	8	0.001
CVP	2	470	0.001	22	0.002
CVP	3	1,100	0.003	40	0.003
CVP	4	3,800	0.009	140	0.012
CVP	5	11,900	0.029	430	0.036
CVP	6	21,300	0.052	775	0.065
CVP	7	40,000	0.097	1,950	0.163
CVP	8	52,000	0.126	2,150	0.180

Air CV calculated based on SCFH, Water CV calculated based on GPM

ORDERING INFORMATION

CV [ ] [ ] [ ] [ ]

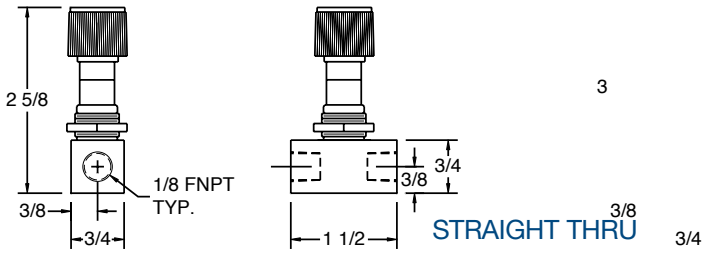
VALVE TYPE
- Standard: S
- Precision: P

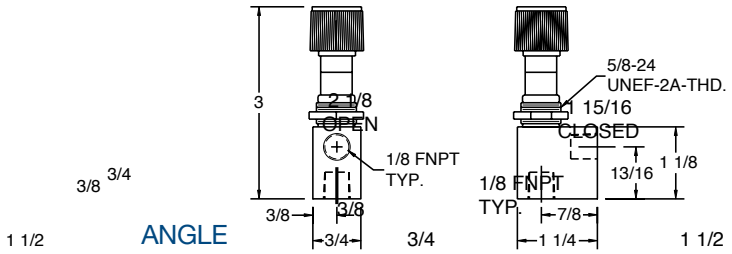
CARTRIDGE AND BODY MATERIAL
- Brass: B
- Stainless Steel: S

NEEDLE VALVE TAPER
- CVS: 1, 2, 3
- CVP: 1, 2, 3, 4, 5, 6, 7, 8

FLOW CONFIGURATION (complete valve only)
- Straight: S
- Angle: A

PRECISION CONTROL VALVES (CVP)





STANDARD CONTROL VALVES (CVS)