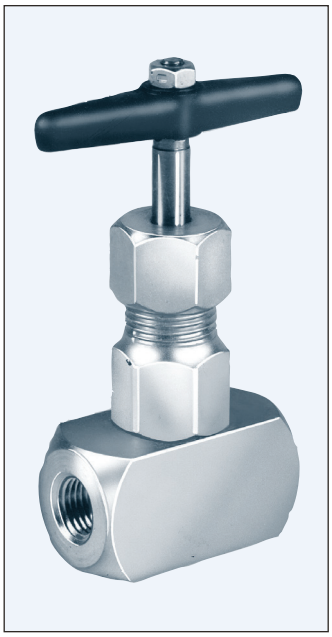
Ashcroft® Accessories - Instrument Needle Valves & Pressure Limiting Valves

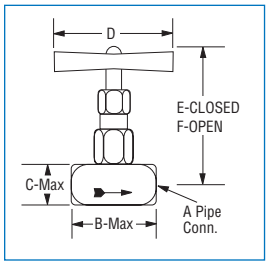
STEEL NEEDLE VALVE

The steel needle valve is an economical, adjustable throttling device for any severe gauge application. It provides the most practical means for varying the orifice to determine the exact orifice for any specific service condition. The valve has an internal seat and is of bar stock construction.



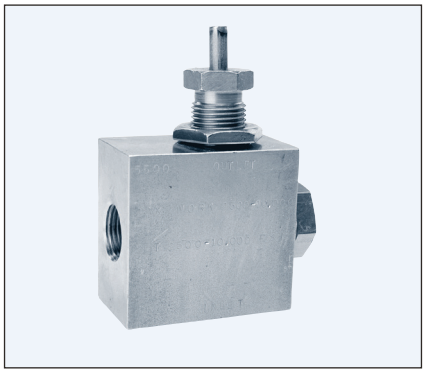
Dimension – Inches						
A NPT Conn.	B	C	D – min.	E	F	Weight oz.
¼	2⅛	⅞	2½	3	3⅛	8
½	2¼	1¼	2½	3 1/16	3 3/16	21

NPT Conn.	Type Numbers Lock Bonnet Type Valves	Material	Pressure Ratings Noncorrosive Service (psi) 100°F	550°F	850°F	1000°F
¼	25-7001L	Carbon steel with 12-14% chrome	10,000	7735	—	—
½	50-7001L	Stainless steel stem				
¼	25-7004L	316 stainless steel	7000	4500	3895	3535
½	50-7004L					



CHEMIQUIP PRESSURE LIMITING VALVE [4]

Protects pressure instruments against surges and pulsations. Provides automatic positive protection and accurate, repeatable performance. Automatic pressure shut-off. Built-in snubber enhances instrument, protecting performance.



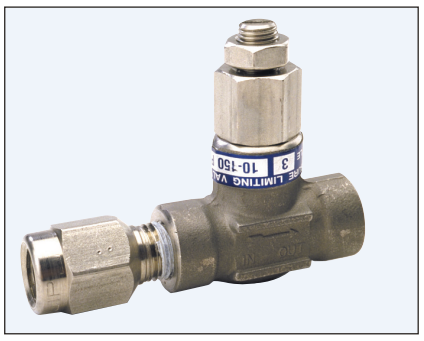
Type Number	Conn.	Material	Available Ranges [1]	Style
25-5460	¼ NPTF	303 SS	100-800 psi 800-2500 psi 2500-10,000 psi 10,000-18,000 psi	L M N O
50-5500	½ NPTF	303 SS		

(1) Use code XFS for factory setting.

Type of Service	Porosity Designations
High viscous fluids (over 500 S.S.U.)	C
Oil (225-500 S.S.U.)	D
Water and light oils (30-225 S.S.U.)	E
Vapor and low viscosity fluids (Below 30 S.S.U.)	F
Air or other gases	G
Extreme gas pulsations	HX

CHEMIQUIP PRESSURE LIMITING VALVE SNUBBER

Assures positive, repeatable performance of the instrument by protecting against surges and pulsations. Automatically shuts off when overpressure occurs and is restored when pressure falls below preset values.



Type Number	Conn.	Material	Available Ranges
25-255B [1]	¼ NPTF	Brass	10-150 psi [2] 150-500 psi 500-1000 psi 1000-3000 psi
25-255S [1]	¼ NPTF	303 SS	
50-2550D [3]	½ NPTF	316 SS	

(2) Specify porosity designation.
(3) Use code XFS for factory setting.
(4) Meets NACE MR01-75 requirements.

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