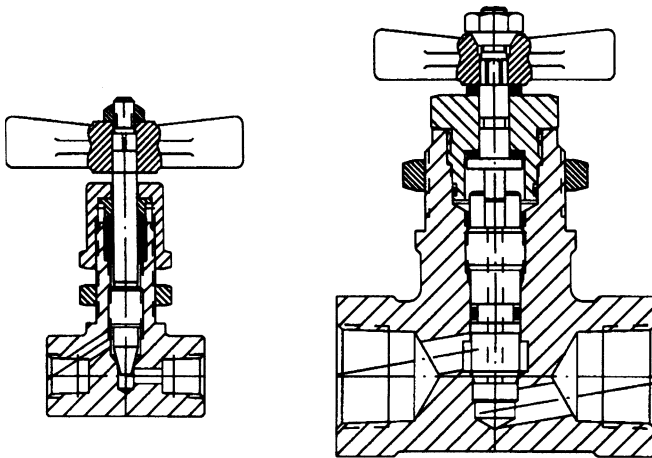


Catalog Series 154

Specifications

A



Features

- Forged stainless steel needle valve for 10,000 PSI service.
- Pressure-balanced design and non-rising stem of the 3/4" and 1" sizes greatly reduce torque requirements and increase packing life.

Size		CV Factor	Weight (Lbs.)
Tube	Pipe		
4	1/8	0.35	0.88
6	1/4	0.55	0.88
8	3/8	0.6	1.18
10	1/2	0.68	1.18
12	3/4	2.64	4.75
16	1	2.64	4.75

Service Applications:

Water and hydraulic oil.

Pressure Range:

Working: 10,000 PSI
Proof: 15,000 PSI
Burst: 25,000 PSI

Temperature Range:

Rising stem type: 65° to 400° F.
Non-rising stem type: -65° to 225° F.

Sizes:

Rising stem type:
NPT: 1/8, 1/4, 3/8, 1/2.
IST: 4, 6, 8, 10.
Non-rising stem type:
NPT: 3/4, 1.
IST: 12, 16.

Type Ports:

NPT: Pipe threads.
IST: Internal straight threads (tube connection) AND10050 O-ring seal.

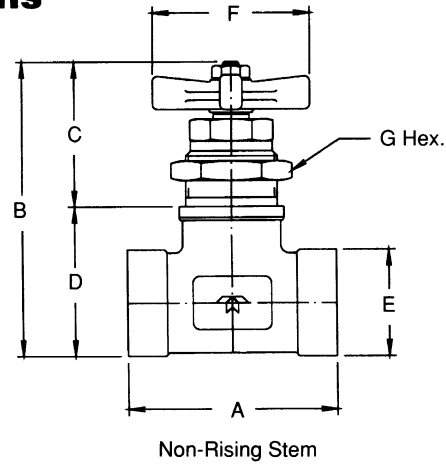
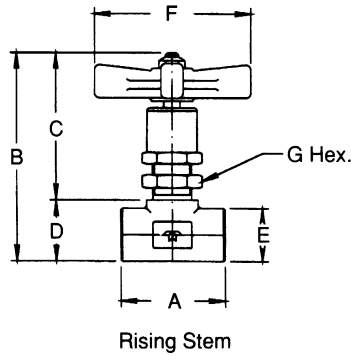
Internal Leakage: Zero.

Mounting: Inline or panel. Maximum panel thickness rising stem type 1/4"; panel hole diameter 49/64". Non-rising stem type 3/4"; panel hole diameter 1-49/64".

Materials:

Body, Cap, Handle, Stem, Locknut, Packing Washer & Follower: Stainless steel type 303.
Stem: Stainless steel type 440.
Stem Washers: Nylon.
O-Rings: Synthetic rubber.
Packing & Back-up Rings: PTFE.
Handle: Aluminum alloy.

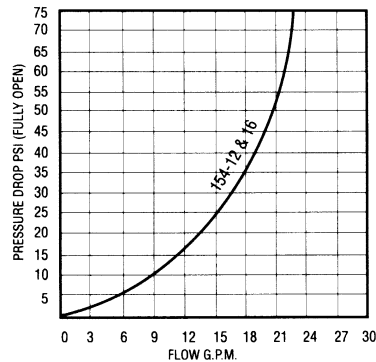
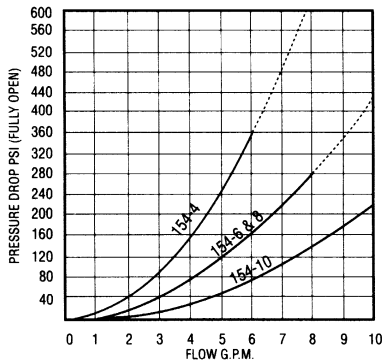
Dimensions



Valve Size	A	B Closed	C Open	C Closed	D	E	F	G Hex
1/8, 1/4	1-9/16	3-61/64	3-7/64	2-51/64	21/32	1	3	1
3/8, 1/2	2-5/16	4-27/64	3-9/64	2-53/64	29/32	1-3/8	3	1
3/4, 1	4	5-7/16	2-11/16	2-11/16	1-13/16	1-7/8	2-1/2	2
4, 6	1-7/8	3-61/64	3-7/64	2-51/64	21/32	1	3	1
8	2-3/8	4-27/64	3-9/64	2-53/64	29/32	1-3/8	3	1
10	2-1/2	4-27/64	3-9/64	2-53/64	29/32	1-3/8	3	1
12, 16	4	5-7/16	2-11/16	2-11/16	1-13/16	1-7/8	2-1/2	2

Flow Characteristics

Media - Hydraulic Oil
MIL-H-6083 @ 70° F. - 90° F.



Interpretation of Valve Number

