



INDUSTRIAL FLUID POWER COMPONENTS
AND SYSTEMS



FFG & MFA SERIES

Needle Valves



MFA-2002-T



FFG-2002-T



FFG & MFA Series Needle Valves

Specifications

- 1/4" thru 1" NPT ports
- 5000 psi maximum- carbon steel body
- Temperature Range: -40°F to +500°F
- CV Factor: .66 thru 5.22
- Zinc-plated for double corrosion protection
- Materials:**

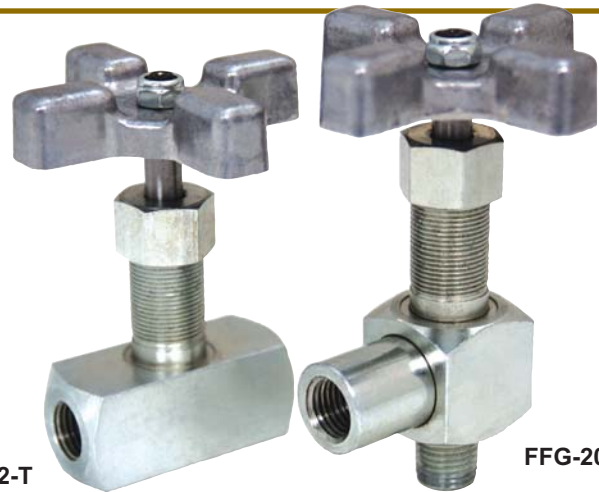
Body - 12L14 Carbon Steel

Stem - 303 Stainless Steel

Bonnet Nut - Carbon Steel

Handle - Aluminum

Stem Packing - Teflon

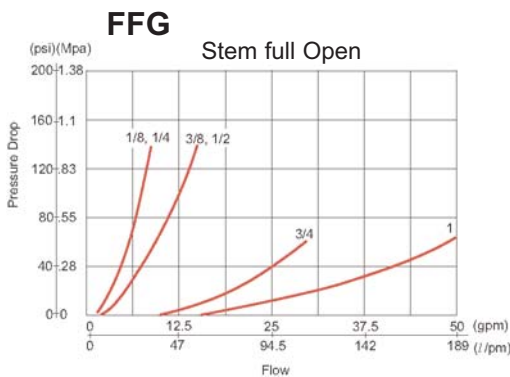


MFA-2002-T

FFG-2002-T

Pressure Drop Curves

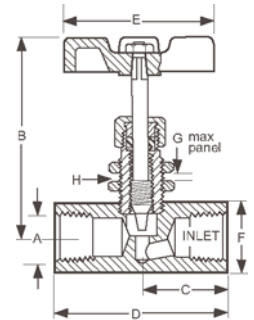
Pressure Drop Curves



FFG

A (NPT) Female	B (Max.)	C	D	E	F (Sq.)	G	H (Dia.)	Orifice (Dia.)	CV
1/8"	3 1/2"	3 1/32"	1 15/16"	2 1/2"	7/8"	3/8"	5/8"	7/32"	.66
1/4"		1 1/32"	2 1/16"						
3/8"	3 5/8"	1 7/16"	2 3/4"	1 1/8"	3/8"	3/4"	7/32"	.70	3.90
1/2"		1 13/16"	3 5/8"						
3/4"	5 3/16"	2 1/32"	4 1/16"	4 1/4"	1 1/2"	7/8"	1 1/2"	9/16"	5.22
1"	5 5/16"	2 1/32"	4 1/16"	4 1/4"	2"	7/8"	1 1/2"	9/16"	5.22

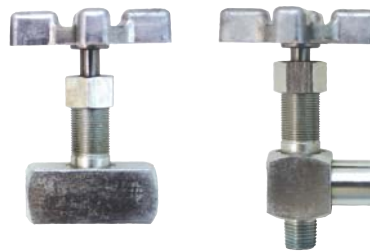
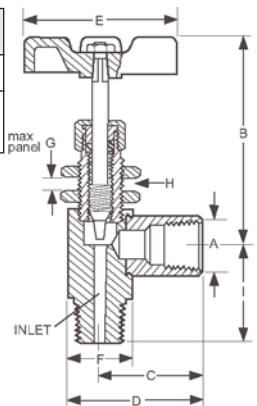
Units: Inches



MFA

A (NPT) Female	B (Max.)	C	D	E	F (Sq.)	G	H (Dia.)	I	Orifice (Dia.)	CV
1/4"	3 1/2"	1 9/32"	1 25/32"	2 1/2"	1"	3/8"	5/8"	1 1/16"	7/32"	.92
3/8"	3 5/8"	1 17/32"	2 5/32"		1 1/4"			1 3/4"		
1/2"		3 5/8"	1 17/32"	2 5/32"	1 1/4"	1 3/4"	3/8"	3/4"	1 3/4"	1.10

Units: Inches



Ordering Information

FFG - 2002 - T - A

Style	SIZE	Material	Handle Size	Panel Mounting Kits
FFG = Needle Valve	2001 = 1/8"	T = Carbon Steel	omit = 2-1/2"	Valve Size Kit Number
MFA = Right Angle-Needle Valve	2002 = 1/4"		A = 4-1/4"	1/8" to 1/4" KIT2002S
	2003 = 3/8"			3/8" to 1/2" KIT2004S
	2004 = 1/2"			3/4" to 1" KIT2005S
	2006 = 3/4"			
	2008 = 1"			