

# METERING & SHUT OFF VALVES

## TMF SERIES

The TMF Series is designed for extremely precise control of hydraulic and pneumatic actuators. Provides metered flow in one direction and free flow in the reverse direction.

### Standard Features:

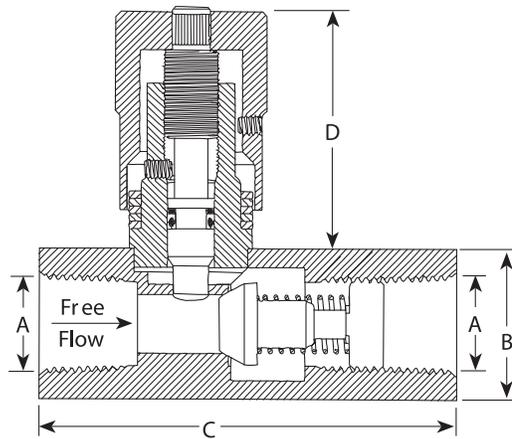
- Easy-to-read color bands and micrometer knobs for exact flow settings
- Re-set repeatability within 1%
- Precision-machined Double-Step stem with fine threading provides accurate control, even at extremely low flows
- Rugged, all metal construction-no plastic parts
- Bleed holes in piston provide a cushion to soften closing impact and extend valve life
- Brazed construction to withstand high pressure
- Set screw provided to secure valve setting
- Steel valves are zinc-plated AND sealed with black chromate for double corrosion protection
- 2° x 45° double-step stem taper
- 40 threads/inch stem pitch

### Standard Materials:

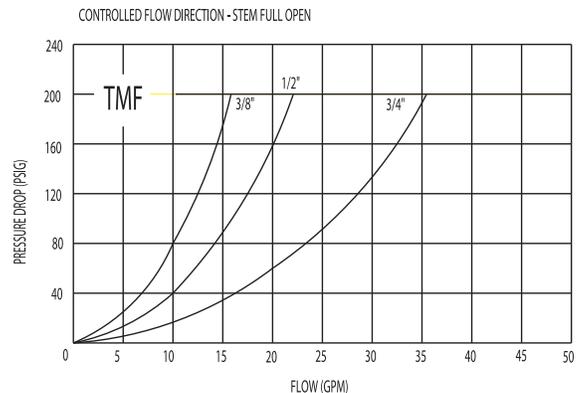
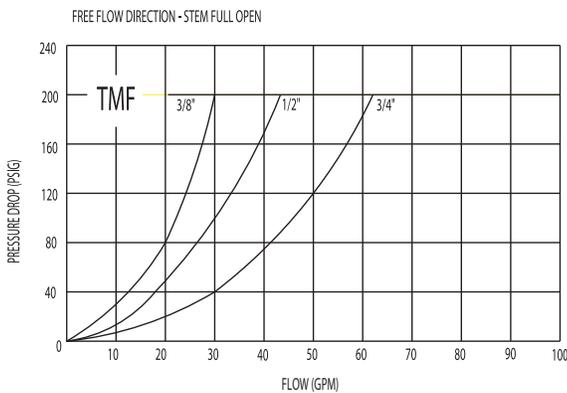
- Body - Steel
- Piston seal - Metal
- Piston, piston retainer, spring and stem, - Stainless Steel
- Knob & color bands - Anodized Aluminum
- Set screw - Steel
- Stem packing - Viton O-Ring with Teflon backup

### Temperature and Pressure Ratings:

- Maximum operating pressure 5000 PSI (34474 kPa)
- Temperature range: -20°F to +400°F (-28°C to 204 °C)
- Cracking Pressure (Check valve): 2 PSI (14 kPa)



### Performance



TMF Series (dimensions in inches)

Part No.	Body Material	Piston Seal	A NPT Female	B Square (inch)	C	D Max	Orifice Diameter	CV Free-flow Direction	CV Controlled Flow Direction
TMF375S	Steel	Metal	3/8	1.00	2.75	1.72	.22	2.95	.72
TMF500S	Steel	Metal	1/2	1.12	3.44	2.25	.31	4.50	1.07
TMF750S	Steel	Metal	3/4	1.50	3.88	2.47	.38	5.41	1.71

Dimensions and specifications are subject to change without notice. Not all items are Made-To-Stock, contact us for availability.

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