

Accuflo™ Needle Valves

1/4" Orifice, Panel Mount, Multi-turn

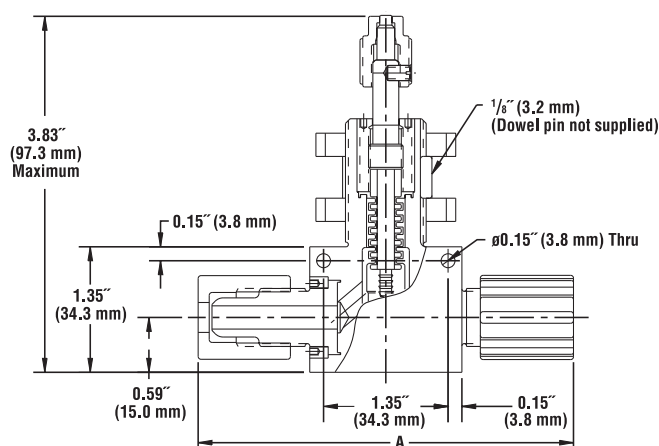


- 10-turn manual adjustment enables more accurate flow and easier installation.
- All wetted components are constructed of high purity PFA and HyQ® PTFE materials for ultrapure and corrosion-resistant performance.
- Panel mounting configuration is standard.

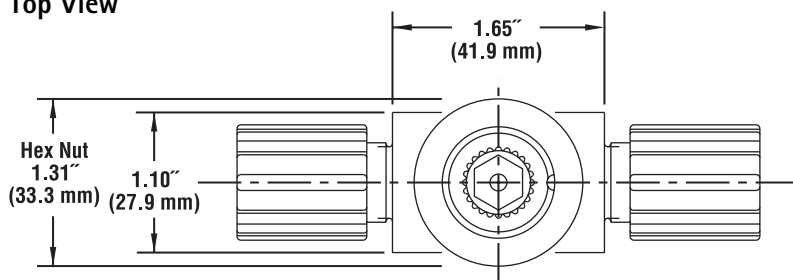
Ordering Information

Part Number	Orifice	Port Connection	Dimension A
NV410-04F-1	1/4"	1/4" Flaretek®	3.83" (97.3 mm)
NV410-06F-1	1/4"	3/8" Flaretek® (replaceable)	4.07" (103.4 mm)

Dimensions



Top View

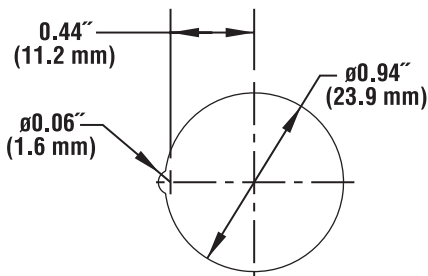


Accuflo™ Needle Valves

1/4" Orifice, Panel Mount, Multi-turn

Mounting Information

Panel Mount Hole



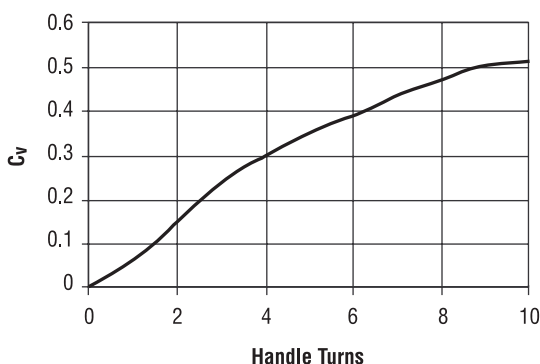
Panel Mount Instructions -Panel thickness is 1.00" (25.4 mm) maximum. To install valve, remove the panel mount nut and insert valve into the panel. Thread the panel mount nut onto the valve and tighten nut to 40 inch•lbs (4.5N•m) torque, or 1/8-turn beyond hand tight.

Specifications

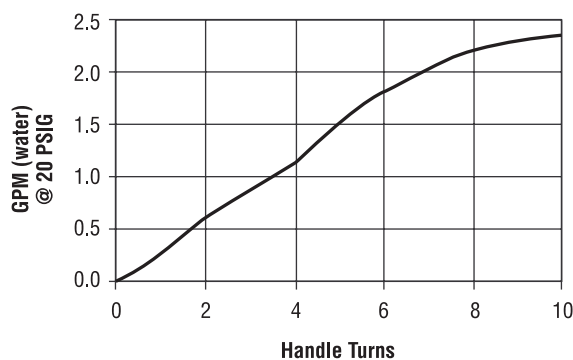
Temperature range:	-60° to 150°F (-51° to 66°C), ambient -60° to 212°F (-51° to 100°C), media
Media pressure:	27" Hg vacuum to 75 PSIG (483 kPa) at room temperature
Materials:	All wetted parts are PFA and PTFE. Exterior parts are PVDF and polypropylene.
Typical flow factor:	.52 C _v (7.4 K _v) fully open

Performance Data

Typical Handle Turns vs. C_v for
1/4" Accuflo™ Needle Valve



Typical Handle Turns vs. GPM for
1/4" Accuflo™ Needle Valve



Accuflo™ Metering Valves

1/4" Orifice, Multi-turn

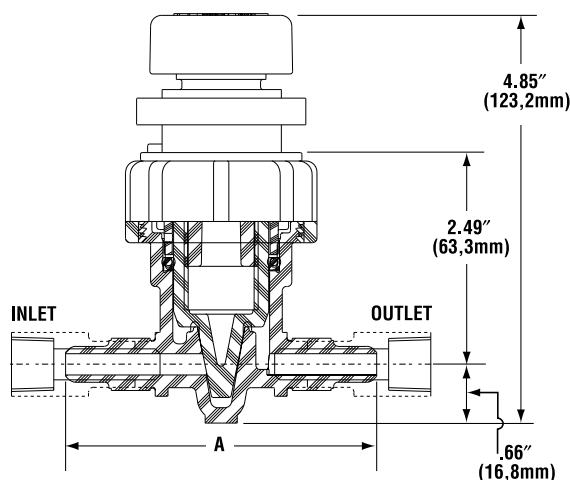


- All wetted components are constructed of high purity PFA and PTFE materials for ultrapure and corrosion-resistant performance.
- Multiple turn manual adjustment range.
- Panel mounting configuration is standard.

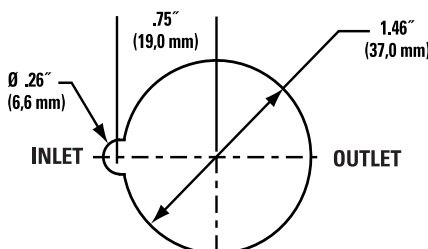
Ordering Information

Part Number	Port Connection	Dimension A
MV4-4F	1/4" Flaretek® flared tube	3.54" (89.9 mm)
MV4-4P	1/4" PureBond® fusible pipe	3.56" (90.4 mm)
MV4-6F	3/8" Flaretek® flared tube	3.68" (93.5 mm)

Dimensions



Mounting Information



Panel Mount Instructions – Panel thickness must be within 0.10" (2.5 mm) to 0.25" (6.4 mm). To panel mount, the handle must be removed. Remove the screw holding the handle in place. Remove the handle. To install valve, remove the panel mount nut and insert valve into the panel. Thread the panel mount nut onto the valve and tighten nut to 40 inch•lbs (4.5N•m) torque, or 1/8-turn beyond hand tight. Reinstall handle. Be careful not to over tighten handle screw.

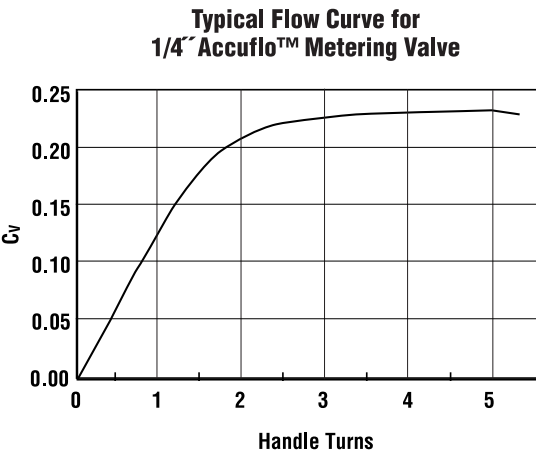
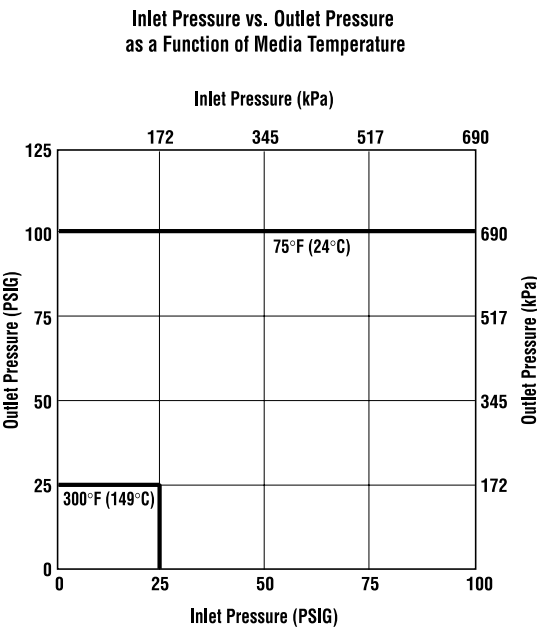
Accuflo™ Metering Valves

1/4" Orifice, Multi-turn

Specifications

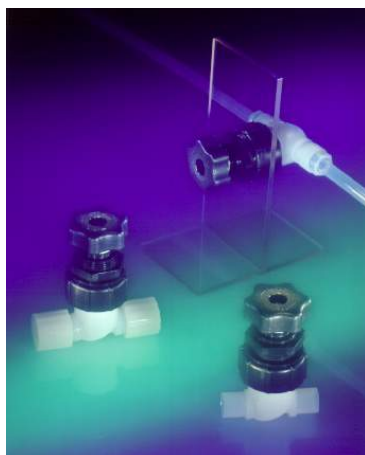
Maximum continuous use pressure:	100 PSIG (689 kPa) at ambient temperature
Peak pressure for short durations:	150 PSIG (1034kPa) at ambient temperature
Maximum continuous use temperature:	300°F (149°C) at 25 PSIG (172 kPa)
Actuation cycle life:	5,000 cycles at 100 PSIG (689 kPa), ambient temperature. Not recommended for frequent actuation at elevated temperature.
Materials:	All wetted parts are PFA and PTFE. Additional materials used for nonwetted parts include PVDF, PEEK™ and PTFE u-cup with Viton® energizer.

Performance Data



Accuflo™ Metering Valve

1/2" Orifice, Multi-turn

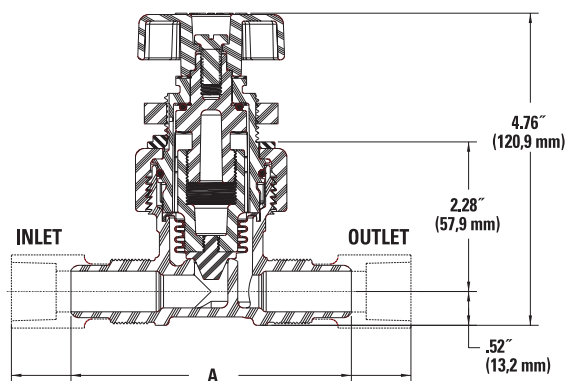


- All wetted components are constructed of high purity fluoropolymers for ultrapure and corrosion resistant performance.
- Five full turn manual adjustment range enables you to precisely control media flow.
- Standard panel mount configuration.

Ordering Information

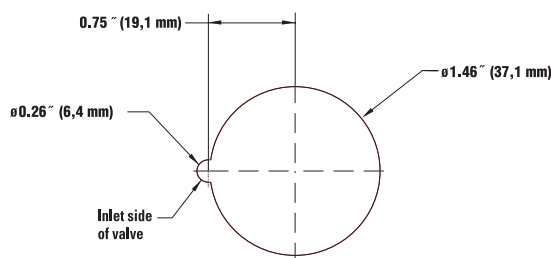
Part Number	Port Connection	Dimension A
MV8-8F	1/2" Flaretek®	3.96" (100.6 mm)
MV8-8P	1/2" PureBond®	3.18" (80.8 mm)
MV8-12F	3/4" Flaretek®	4.20" (106.7 mm)

Dimensions



Mounting Information

Panel Mounting Hole



Panel Mount Instructions - Panel thickness must be within 0.10" (2.5 mm) to 0.25" (6.4 mm). To panel mount, the handle must be removed. Remove the screw holding the handle in place. Remove the handle. To install valve, remove the panel mount nut and insert valve into the panel. Thread the panel mount nut onto the valve and tighten nut to 40 inch•lbs (4.5N•m) torque, or 1/8-turn beyond hand tight. Reinstall handle. Be careful not to over tighten handle screw.