



PRODUCT OVERVIEW

The Profire VM80 is an industrial-grade actuator for fuel gas systems. It is designed to provide precision, consistency and repeatability.

The VM80 Actuator uses a 4-20mA control signal to accurately position the valve. Designed to provide precise and repeatable flow control performance, the VM80 is ideal for applications where modulation and tighter temperature control is desired, such as:

- Glycol Treaters & FWKOs
- Glycol and Amine Reboilers
- Line and Utility Heaters
- Combusters and Incinerators
- GPU's
- Salt Baths and Hot Oilers

KEY FEATURES

- Simple installation, no local programming required
- Replaces the need for I2P, instrument air, and related devices
- High visibility visual position indicator
- Class 1, Division 1- Hazardous location approvals
- Non-venting

SPECIFICATIONS

PF VM80	MATERIAL SPECIFICATIONS	OPERATION SPECIFICATIONS
	Enclosure Material: Aluminum	Supply Voltage: 12 or 24 VDC
	Yoke: 6061-T6	Current Draw at 12 VDC: 2.3 A Max, 90 mA Idle, 265 mA Average
	Cover: A356-T6	Operational Temp: -40° to 55° C (-40° to 131° F)
	Springs/Retaining Rings: Alloy X750	Control Signal: 4-20 mA
	Elastomer: FKM	Travel (Nominal): 12.7 mm (0.5 inch)
	Conduit Connections: One 1/2" NPT	Operating Thrust: 355 N (80 lbf) at 12 V DC 387 N (87 lbf) at 24 V DC
Marking: Class 1, Division 1		

APPROVALS



CSA Hazardous Locations Approvals

General: CSA 60079-0 ISA 60079-0 FM 3600
 Explosion Proof: CSA C22.2 No. 30 UL 1203
 Flame Proof: CSA 60079-1 ISA 60079-1
 Markings: Class 1, Division 1, T6 Class 1, Zone 1
 AEx dIIC T6, Groups B, C, and D

Enclosure Ratings and Standards

IP66: C22.2 No. 60529 IEC 60529
 Type 4, 4X: CSA C22.2 No. 94.1 UL 50
 MMX-J-235/1-ANCE CSA C22.2 No. 94.2
 UL 50E MMX-J-235/2-ANCE NEMA 250

1 855 PRO FIRE | www.profireenergy.com



CANADA— Alberta
 Box 3313
 Bay 12, 55 Alberta Ave
 Spruce Grove, AB T7X 3A6

USA—Utah
 321 S 1250 W
 Suite 1
 Lindon, UT 84042

USA—Texas
 19407 Park Row
 Suite 100
 Houston, TX 77084

USA—Texas
 305 Sam Houston Dr.
 Unit E
 Victoria, TX 77901

USA—Oklahoma
 4334 NW Expressway
 Suite 281
 Oklahoma City, OK 73116

USA—Pennsylvania
 18815 Route 287
 Tioga, PA 16495