



### PRODUCT OVERVIEW

The Profire VM80 is an industrial grade actuator designed for fuel gas systems, providing precision, consistency and repeatability.

The VM80 Actuator uses a 4-20mA control signal to accurately position the valve. Designed to provide precision and repeatable flow control performance, the VM80 is ideal for applications wherein 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
- Class 1, Division 1- Hazardous location approvals
- Replaces the need for I2P, Instrument Air and related devices
- Easy to see visual position indicator
- Non venting

### SPECIFICATIONS

PF VM80	MATERIAL SPECIFICATIONS	OPERATION SPECIFICATIONS
	Enclosure material: Aluminum	Operating Temp: -40 to 55 °C (-40 to 131°F)
	Yoke: 6061-T6	Supply Voltage: 12 or 24 V DC
	Cover: A356-T6	Current Draw: 2.3 A Max, 90 mA Idle
	Springs / Retaining Rings: Alloy X750	Control Signal: 4-20 mA
	Elastomers: 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
	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