

APPLICATION:

Control of Saturated Steam; Water; Water & Glycol Solutions to 50%. Seat Closure ANSI Class III*

CONSTRUCTION:

Body: ANSI B16.15 Iron 250lb.Threaded (NPT)
 Trim: EQ%, 300 Series Stainless Steel
 Stem: 316 Stainless Steel
 Bonnet: Brass
 Packing: Guided Low-Friction TFE V-Ring, Self Adjusting

TRIM LIMITS (Flowing Differential Pressure):

S/S Trim: Liquid or Steam to 100 PSID

CONFIGURATIONS:

Select Valve and Actuator Code in Tables:

Valve					VM1500E Actuator 24 VAC Supply			
Cv	Size (IN)	Thd NPT	Trim	Valve Code	Shut Off PSID	Fail Safe w/VMS-25	Fail Last Position	Approx Timing (SEC)
						Actuator Code	Actuator Code	
30	1.5	250	S/S	VA2208BC	400	E016	E017	51
42	2	250	S/S	VA2209BC	400	E016	E017	51

Actuator Specifications:

Control Signal: 4-20 mAdc (Factory Setting), 0-20 mAdc, 0-10 Vdc, or 2-10 Vdc, and Floating. Self-Adjusting, Field-Selectable
 Control Action: Increasing Signal Closes Valve (Factory Setting) - Reversible
 Power Consumption: VM1500E : 12VA
 Timing: See Configuration Tables
 Feedback Signal: 0-10 Vdc or 2-10 Vdc
 Manual Override: Yes
 Construction: Polycarbonate Motor Housing with Steel Linkage and Yoke
 Locations: NEMA Type 2 / IP54 Indoor Only
 Temperature Limits: Ambient... +32F to 122F
 Mounting: Vertical Above Centerline of Valve

BODY PRESSURE-TEMPERATURE RATINGS:

Temp.	250 THD (ratings are PSIG)
+32 to 150° F	400
400° F	250

NOTES:

- 1) Inlet Pressure cannot exceed Body Pressure-Temperature Rating.
- 2) Shut-off PSID is per stated ANSI Shut-off Classification.
- 3) Flowing PSID for water service should be no greater than 2/3 of Inlet Pressure unless verified for absence of cavitation with Warren Valve Sizing Program.

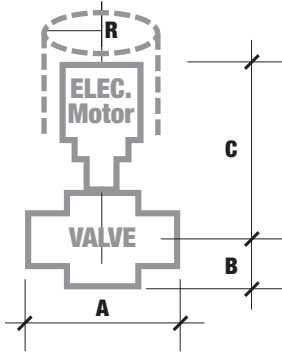
VMS-25 Power Pack Specifications:

Required for Fail Safe Operation (one VMS-25 can operate two VM1500E at a time)
 Fail Direction: Field Selectable to Close or Open Valve on Loss of Power
 Power Consumption: 24VAC, 40VA
 Construction: Battery w/Circuit Board & Transformer, Components Only
 Mounting: Panel Mount
 Approximate LxWxH: 7-1/2" x 5" x 3"

1-1/2"– 2"

Double-Seated Iron w/VM Motors

Electric Motor-Actuated Valves



ROUGHING DIMENSIONS (Inches):

Component		Dimension (Inches)	
	variable	1-1/2	2
A	250THD	7-3/8	7-3/8
B	250THD	3-7/8	3-7/8
C	VM1500E Actuator	19-1/4	19-1/4
R*	VM1500E Actuator	3-1/4	3-1/4

Allow 6 inch clearance above actuator for removal / service.

*Centerline of Valve to Outside Actuator



VA2209BC-E017

WEIGHTS:

Item	Weight
Valve Size (in.)	LBS.
1-1/2	19
2	18-1/2
Actuator	LBS.
VM1500E	8-1/2
Power Pack	LBS.
VMS-25	3

Actual shipping weights may vary.

