

### 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:

### 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.

Valve					AV330 Linkage 24 VAC Supply			AV330 Linkage <b>330</b> 120 VAC Supply			
Cv	Size (IN)	Thd NPT	Trim	Valve Code	Shut Off PSID	Fail Closed MP361 Motor CP9302 Drive Actuator Code	Fail Open MP371 Motor CP9302 Drive Actuator Code	Fail Last Pos. MP381 Motor CP9302 Drive Actuator Code	Fail Closed MP465 Motor CP9302 Drive Actuator Code	Fail Open MP475 Motor CP9302 Drive Actuator Code	Fail Last Pos. MP485 Motor CP9302 Drive Actuator Code
30	1.5	250	S/S	VA2208BC	400	E000	E001	E002	E003	E004	E005
42	2	250	S/S	VA2209BC	400	E000	E001	E002	E003	E004	E005

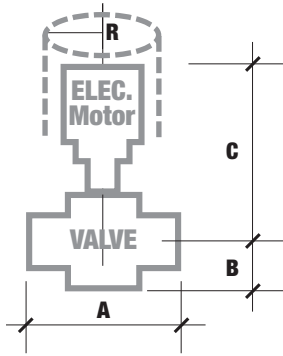
### Actuator Specifications:

Control Signal: 4-20 mAdc (Factory Setting), and 0-10 Vdc, Adjustable, Field-Selectable  
 Control Action: Increasing Signal Closes Valve (Factory Setting) - Reversible  
 Power Consumption: 60VA (except MP381: 52.8VA)  
 Timing: Approximately 90 Seconds (except MP381 & MP485 : 130 Seconds)  
 Feedback Signal: Not Available  
 Manual Override: Not Available  
 Auxillary Switch: Adjustable SPDT  
 Construction: Die Cast Aluminum Motor Housing and Yoke. CP-9302 Injection Molded Plastic Case with Aluminum Cover  
 Locations: NEMA Type 1 Indoor Only  
 Temperature Limits: Ambient... +32F to 130F  
 Mounting: Vertical Above Centerline of Valve

1-1/2" – 2"

Double-Seated Iron w/MP 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	AV330 Linkage	17-1/4	17-1/4
R*	AV330 Linkage	8-1/8	8-1/8

Allow 3-7/8 inch clearance above actuator for removal / service.

\*Centerline of Valve to Outside Actuator



VA2209BC-E000

WEIGHTS:

Item	Weight
Valve Size (in.)	LBS.
1-1/2	19
2	18-1/2
Linkage	LBS.
AV330	3
Motor	LBS.
MP361, MP371	10
MP381	7-1/2
MP465, MP475	10-1/2
MP485	8
Drive	LBS.
CP9302	1/2

Actual shipping weights may vary.

