

### APPLICATION:

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

### CONSTRUCTION:

Body: ANSI B16.1 Iron 125lb. Flange or 250lb. Flange  
 Trim: EQ%, Bronze or 300 Series Stainless Steel  
 Stem: 316 Stainless Steel  
 Bonnet: Brass  
 Packing: Guided Low-Friction TFE V-Ring, Self Adjusting

### TRIM LIMITS (Flowing Differential Pressure):

Brz Trim: Liquid or Steam to 40 PSID  
 S/S Trim: Liquid or Steam to 100 PSID

### BODY PRESSURE-TEMPERATURE RATINGS:

Temp.	125 FLG (ratings are PSIG)	250 FLG (ratings are PSIG)
+32 to 150° F	175	400
350° F	125	280
400° F	–	250

**CONFIGURATIONS:** Select Valve and Actuator Code in Tables:

Valve						AV330 Linkage 24 VAC Supply			AV330 Linkage <b>330</b> 120 VAC Supply		
Cv	Size (IN)	Flng.	Trim	Valve Code	Shut Off PSID	Fail Closed	Fail Open	Fail Last Pos.	Fail Closed	Fail Open	Fail Last Pos.
						MP361 Motor CP9302 Drive	MP371 Motor CP9302 Drive	MP381 Motor CP9302 Drive	MP465 Motor CP9302 Drive	MP475 Motor CP9302 Drive	MP485 Motor CP9302 Drive
						Actuator Code	Actuator Code	Actuator Code	Actuator Code	Actuator Code	Actuator Code
65	2.5	125	BRZ	VA2010CA	34	E000	E001	E002	E003	E004	E005
65	2.5	125	S/S	VA2010CC	34	E000	E001	E002	E003	E004	E005
65	2.5	250	BRZ	VA2010DA	34	E000	E001	E002	E003	E004	E005
65	2.5	250	S/S	VA2010DC	34	E000	E001	E002	E003	E004	E005
90	3	125	BRZ	VA2011CA	22	E000	E001	E002	E003	E004	E005
90	3	125	S/S	VA2011CC	22	E000	E001	E002	E003	E004	E005
90	3	250	BRZ	VA2011DA	22	E000	E001	E002	E003	E004	E005
90	3	250	S/S	VA2011DC	22	E000	E001	E002	E003	E004	E005

Valve						AV352 Linkage 24 VAC Supply			AV352 Linkage <b>352</b> 120 VAC Supply		
Cv	Size (IN)	Flng.	Trim	Valve Code	Shut Off PSID	Fail Closed	Fail Open	Fail Last Pos.	Fail Closed	Fail Open	Fail Last Pos.
						MP361 Motor CP9302 Drive	MP371 Motor CP9302 Drive	MP381 Motor CP9302 Drive	MP465 Motor CP9302 Drive	MP475 Motor CP9302 Drive	MP485 Motor CP9302 Drive
						Actuator Code	Actuator Code	Actuator Code	Actuator Code	Actuator Code	Actuator Code
65	2.5	125	BRZ	VA2010CA	95	E006	E007	E008	E009	E010	E011
65	2.5	125	S/S	VA2010CC	95	E006	E007	E008	E009	E010	E011
65	2.5	250	BRZ	VA2010DA	95	E006	E007	E008	E009	E010	E011
65	2.5	250	S/S	VA2010DC	95	E006	E007	E008	E009	E010	E011
90	3	125	BRZ	VA2011CA	64	E006	E007	E008	E009	E010	E011
90	3	125	S/S	VA2011CC	64	E006	E007	E008	E009	E010	E011
90	3	250	BRZ	VA2011DA	64	E006	E007	E008	E009	E010	E011
90	3	250	S/S	VA2011DC	64	E006	E007	E008	E009	E010	E011
170	4	125	BRZ	VA2013CA	33	E006	E007	E008	E009	E010	E011
170	4	125	S/S	VA2013CC	33	E006	E007	E008	E009	E010	E011
170	4	250	BRZ	VA2013DA	33	E006	E007	E008	E009	E010	E011
170	4	250	S/S	VA2013DC	33	E006	E007	E008	E009	E010	E011
280	5	125	BRZ	VA2014CA	9	E006	E007	E008	E009	E010	E011
280	5	125	S/S	VA2014CC	9	E006	E007	E008	E009	E010	E011
280	5	250	BRZ	VA2014DA	9	E006	E007	E008	E009	E010	E011
280	5	250	S/S	VA2014DC	9	E006	E007	E008	E009	E010	E011
360	6	125	BRZ	VA2015CA	5	E006	E007	E008	E009	E010	E011
360	6	125	S/S	VA2015CC	5	E006	E007	E008	E009	E010	E011
360	6	250	BRZ	VA2015DA	5	E006	E007	E008	E009	E010	E011
360	6	250	S/S	VA2015DC	5	E006	E007	E008	E009	E010	E011
450	8	125	S/S	VA2017CC	5	-	-	E008	-	-	E011
450	8	250	S/S	VA2017DC	5	-	-	E008	-	-	E011

**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.

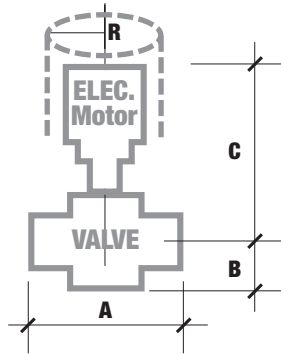
2-1/2"– 8"

# Single-Seated Iron w/MP Motors

# Electric Motor-Actuated Valves

**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  
 Auxiliary Switch: Adjustable SPDT  
 Construction: Die Cast Aluminum Motor Housing and Yoke (w/AV330) or Cast Iron Yoke (w/AV352). 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



VA2010CA-E000

**ROUGHING DIMENSIONS (Inches):**

Component		Dimension by Valve Size (Inches)					
variable		2-1/2	3	4	5	6	8
A	125 FLG	9	10	13	15-3/4	17-3/4	16-1/4
A	250 FLG	9-5/8	10-3/4	13-5/8	16-5/8	18-5/8	16-1/4
B		4-3/4	5-3/8	6-3/8	5-3/4	6-1/2	8-7/8
C	AV330 Linkage	18	18-7/8	N/A	N/A	N/A	N/A
C	AV352 Linkage	17-1/4	18-1/8	19-1/8	19-3/4	20-3/8	21-5/8
R*	AV330 Linkage	8-1/8	8-1/8	N/A	N/A	N/A	N/A
R*	AV352 Linkage	12	12	12	12	12	12

Allow 4-1/8 inch clearance above actuator for removal / service (AV330).

Allow 5-3/8 inch clearance above actuator for removal / service (AV352).

\*Centerline of Valve to Outside Actuator



VA2015DC-E006

**WEIGHTS:**

Item	Weight	
Valve Size (in.)	125FLG (LBS.)	250FLG (LBS.)
2-1/2	55	64
3	72	77
4	119	131
5	134	166
6	175	233
8	270	360
Linkage	LBS.	
AV330	3	
AV352	14-1/2	
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.**

