

Single-Seated Bronze w/MP Motors

1/2" – 2"

APPLICATION:

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

CONSTRUCTION:

Body: ANSI B16.15 Bronze 250lb. Threaded (NPT)
 Trim: EQ%, 316 Series Stainless Steel
 Stem: 316 Stainless Steel
 Bonnet: Brass / Bronze
 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
375° F	275

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 330 120 VAC Supply			
Cv	Size (IN)	Thd NPT	Trim	Valve Code	Shut Off PSID	Fail Closed MP361 Motor CP9302 Drive	Fail Open MP371 Motor CP9302 Drive	Fail Last Pos. MP381 Motor CP9302 Drive	Fail Closed MP465 Motor CP9302 Drive	Fail Open MP475 Motor CP9302 Drive	Fail Last Pos. MP485 Motor CP9302 Drive
						Actuator Code	Actuator Code	Actuator Code	Actuator Code	Actuator Code	Actuator Code
4.9	0.5	250	S/S	VA2004AC	325	E000	E001	E002	E003	E004	E005
7.2	.75	250	S/S	VA2005AC	325	E000	E001	E002	E003	E004	E005
10	1.0	250	S/S	VA2006AC	179	E000	E001	E002	E003	E004	E005
22.2	1.25	250	S/S	VA2007AC	66	E000	E001	E002	E003	E004	E005
24	1.5	250	S/S	VA2008AC	66	E000	E001	E002	E003	E004	E005
40	2	250	S/S	VA2009AC	33	E000	E001	E002	E003	E004	E005

Valve					AV352 Linkage 24 VAC Supply			AV352 Linkage 352 120 VAC Supply			
Cv	Size (IN)	Thd NPT	Trim	Valve Code	Shut Off PSID	Fail Closed MP361 Motor CP9302 Drive	Fail Open MP371 Motor CP9302 Drive	Fail Last Pos. MP381 Motor CP9302 Drive	Fail Closed MP465 Motor CP9302 Drive	Fail Open MP475 Motor CP9302 Drive	Fail Last Pos. MP485 Motor CP9302 Drive
						Actuator Code	Actuator Code	Actuator Code	Actuator Code	Actuator Code	Actuator Code
4.9	0.5	250	S/S	VA2004AC	400	E006	E007	E008	E009	E010	E011
7.2	.75	250	S/S	VA2005AC	400	E006	E007	E008	E009	E010	E011
10	1.0	250	S/S	VA2006AC	400	E006	E007	E008	E009	E010	E011
22.2	1.25	250	S/S	VA2007AC	199	E006	E007	E008	E009	E010	E011
24	1.5	250	S/S	VA2008AC	199	E006	E007	E008	E009	E010	E011
40	2	250	S/S	VA2009AC	116	E006	E007	E008	E009	E010	E011

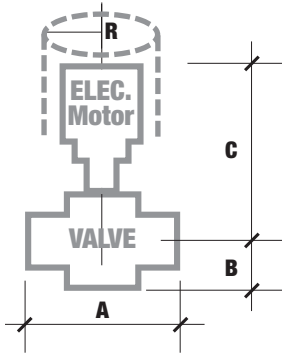
Actuator Specifications:

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

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Single-Seated Bronze w/MP Motors

Electric Motor-Actuated Valves



ROUGHING DIMENSIONS (Inches):

Component		Dimension by Valve Size (Inches)		
	variable	1/2 & 3/4	1-1/4 & 1-1/2	2
A	250THD	4-7/8	5-3/4	6-1/2
B	250THD	2-3/4	3-1/4	3-5/8
C	AV330 Linkage	15-5/8	16-1/4	16-1/2
C	AV352 Linkage	14-7/8	15-1/2	15-3/4
R*	AV330 Linkage	8-1/8	8-1/8	8-1/8
R*	AV352 Linkage	12	12	12

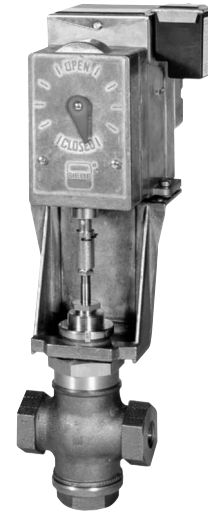
Allow 4-1/8 inch clearance above actuator for removal / service.

*Centerline of Valve to Outside Actuator

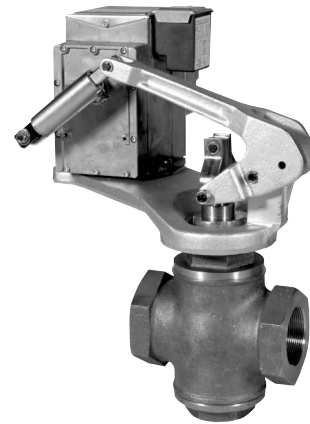
WEIGHTS:

Item	Weight
Valve Size (in.)	LBS.
1/2, 3/4, 1	8-1/2
1-1/4 & 1-1/2	14-1/2
2	18-1/2
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.



VA2004AC-E000



VA2009AC-E006

