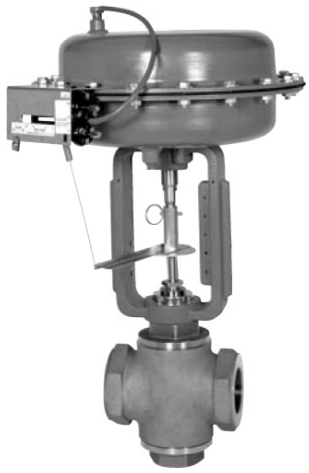
SINGLE SEATED BRONZE (NORMALLY OPEN) 1/2"-2"



VA2004AC-D002

VA2009AC-D010

▸ APPLICATION:

Control of Saturated Steam; Water; Water and Glycol Solutions to 60%. Seat Leakage ANSI Class IV

▸ VALVE CONSTRUCTION:

Body:	ANSI B16.15 Bronze 250lb. Threaded (NPT)
Trim:	EQ%, 300 Series Stainless Steel
Stem:	316 Stainless Steel
Bonnet:	Brass / Bronze
Packing:	EPDM Lip Packing (+20 to 350ºF) Standard (EPDM is **not** suitable for use with oils, hydrocarbons, or acids.) PPTFE V-Ring, (+60 to 350ºF) Optional, must be specified on order
Agency Approval:	CRN # CSA - OC18997 (Bronze Body Only)

▸ TRIM LIMITS (Flowing Differential Pressure):

S/S Trim:	Liquids or Steam to 100 PSID

▸ CONTROL ACTION:

Increasing Signal Closes Valve; Operating Range may differ from Signal Range,
Use a Positioner to Match Ranges

▸ POSITIONER SPECIFICATIONS:

42 POSITIONER SPECIFICATIONS:

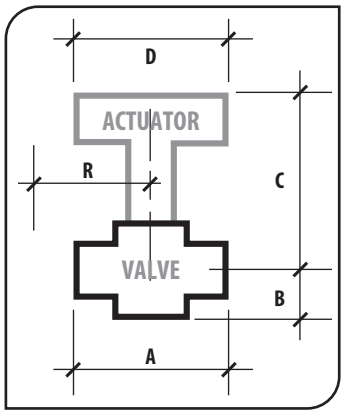
Control Signal:	3-15 PSIG (Factory Setting) Adjustable/Non-Reversible
Air Supply/Consumption:	20 PSIG/Approx 0.012 SCFM

760P POSITIONER SPECIFICATIONS:

Control Signal:	3-15 PSIG (Factory Setting) Adjustable/Reversible
Air Supply/Consumption:	20 PSIG/Approx 0.020 SCFM

▸ Dimensions (IN):

Component		Dimension by Valve Size (IN)		
Variable		1/2 & 3/4, 1	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	50 Actuator	15-1/2	16-1/8	16-3/8
C	84 Actuator	18-7/8	19-1/2	19-3/4
D	50 Actuator	10-1/2	10-1/2	10-1/2
D	84 Actuator	13-7/8	13-7/8	13-7/8
R*	50 w/42	7-1/2	7-1/2	7-1/2
R*	84 w/42	9	9	9
R*	84 w/760P	8-1/8	8-1/8	8-1/8



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

*Center line of Actuator to Outside Point of Positioner

NOTES:
1) Inlet Pressure cannot exceed Body Pressure-Temperature Rating.
2) Shut-off pressures listed are with respect to stated ANSI Leakage Classes.
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.

SINGLE SEATED BRONZE (NORMALLY OPEN) 1/2"-2"

▸ ACTUATOR & VALVE CONFIGURATIONS: Select Valve & Actuator Code in Tables:

Valve					50 Actuator 20 PSIG Air Supply 50			
					3-8 PSIG SPRING RANGE		ALL OTHER RANGES	
Cv	Size (IN)	Thd NPT	Trim	Valve Code	Actuator Code	SHUT OFF PSID Class IV	w/42 Positioner Actuator Code	SHUT OFF PSID Class IV
4.9	0.5	250	S/S	VA2004AC	D000	100	D002	100
7.2	0.75	250	S/S	VA2005AC	D000	100	D002	100
10	1	250	S/S	VA2006AC	D000	100	D002	100
22.2	1.25	250	S/S	VA2007AC	D000	100	D002	100
24	1.5	250	S/S	VA2008AC	D000	100	D002	100
40	2	250	S/S	VA2009AC	D000	100	D002	100

Shut-off values are based on 20 PSIG air pressure to the actuator when the valve is closed.

50 ACTUATOR SPECIFICATIONS:

Effective Area: 50 Square Inches
Construction: Aluminum Yoke and Diaphragm Chamber with Neoprene Diaphragm.
Mounting: Vertical Above Valve

Valve					84 Actuator 20 PSIG Air Supply 84					
					3-15 PSIG SPRING RANGE		ALL OTHER RANGES			
Cv	Size (IN)	Thd NPT	Trim	Valve Code	Actuator Code	SHUT OFF PSID Class IV	3-9 PSIG Spring Range Actuator Code	w/42 Positioner Actuator Code	w/760 Positioner Actuator Code	SHUT OFF PSID Class IV
4.9	0.5	250	S/S	VA2004AC	D004	400	D006	D010	D014	400
7.2	0.75	250	S/S	VA2005AC	D004	400	D006	D010	D014	400
10	1	250	S/S	VA2006AC	D004	301	D006	D010	D014	400
22.2	1.25	250	S/S	VA2007AC	D004	120	D006	D010	D014	348
24	1.5	250	S/S	VA2008AC	D004	120	D006	D010	D014	348
40	2	250	S/S	VA2009AC	D004	67	D006	D010	D014	209

Shut-off values are based on 20 PSIG air pressure to the actuator when the valve is closed.

84 ACTUATOR SPECIFICATIONS:

Effective Area: 84 Square Inches
Construction: Acrylic Enamel Coated Iron Yoke and Steel Diaphragm Chamber with Buna-N Diaphragm.
Mounting: Vertical Above Valve

ACTUATED ASSEMBLY BODY PRESSURE TEMPERATURE RATINGS

TEMP.	250 THD (RATINGS ARE PSIG)
+20 to 150° F	400
350° F	300

WEIGHTS

ITEM	WEIGHT
VALVE SIZE	**LBS**
1/2", 3/4", 1"	8-1/2
1-1/4" & 1-1/2"	14-1/2
2"	18-1/2
ACTUATOR	**LBS**
50	13
84	48-1/2
POSITIONER	**LBS**
42	1
760P	8

Actual shipping weights may vary.