



<b>JOB NAME:</b>	<b>CONTRACTOR:</b>
<b>JOB LOCATION:</b>	<b>APPROVAL:</b>
<b>ENGINEER:</b>	<b>CONTRACTOR P.O.:</b>
<b>APPROVAL:</b>	<b>REPRESENTATIVE:</b>

**M8E723102V36-0\* - M8E723102V6-0\* - M8E723102V9-0\***  
**30-60° BALL                      60° BALL                      90° BALL**

**723102V36/V6/V9, 2-WAY STAINLESS STEEL, ANSI 150 FLANGED, DIRECT MOUNT WA-  
 FER STYLE, FULL PORT BALL VALVE WITH METAL ELECTRIC ACTUATOR WITH POSITIONER  
 OR POSITIONER W/ BATTERY BACKUP**

**SIZES 1/2" TO 4"**

<b>*021</b> 12V AC/DC W POS.	<b>*022</b> 24V AC/DC W POS.	<b>*023</b> 100-240VAC W POS.
<b>*042</b> 24V AC/DC W POS. & BATT. BACKUP	<b>*043</b> 100-240VAC W POS. & BATT. BACKUP	

## SPECIFICATIONS

The Bonomi M8E723102V36/V6/V9 series electric packages features the ANSI Class 150 30-60, 60, and 90 degree V-port stainless steel space saving, 723102V36/V6/V9 series direct mount, low torque, wafer style ball valve. This ball valve series feature a double O-ring stem seal, grounded ball & stem, and incorporates an ISO 5211 mounting pad and square stem. Sizes are 1"-4"

The Valbia actuator housing is made from die cast aluminum with a polyester powder coating for maximum external protection from the elements either outdoors or indoors. The housing also includes captive cover bolts. Also, standard actuator features include: 2 extra limit switches, dual voltage motors, dual ISO patterns, a square drive, a manual override, a dome position indicator, heater and thermostat, a torque limiter, 1/2" conduit connections, a 75% duty cycle motor, and a positioning board. Battery backup is optional.

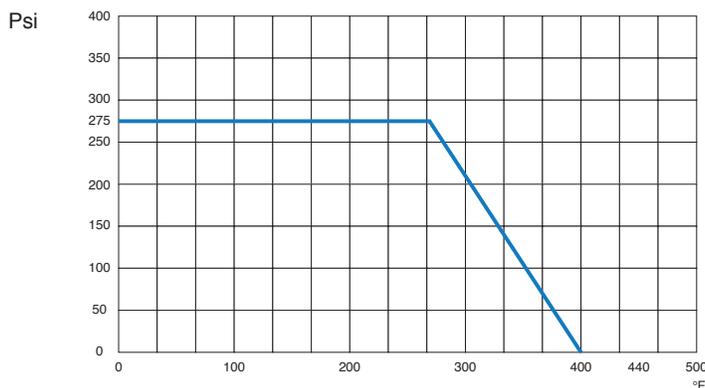
## ACTUATOR FEATURES

- Dual Voltages
- CSA, UL approved
- 24V AC/DC and 100-240V AC Models Available
- ISO 5211, F03/F05 base with 11mm female drive
- 75% Duty Cycle
- Anti-condensation heater, (when red wire is connected to power)
- High-Strength, Die Cast Aluminum Powder Coated Housing
- Temperature Range -4°F to 131°F
- NEMA 4 Housing
- Two Auxiliary Switches Standard
- Torque limiter standard

## VALVE FEATURES

- Direct mount, Stainless steel ANSI class 150 Wafer-style flanged ball valve
- 30-60, 60, and 90 degree V-port, sizes 1" to 4"
- Temperature range -4°F to +366°F
- Anti-static Stem Device
- Dual Stem Seal O-rings FKM (Viton)
- TFM Stem Seal
- ISO 5211 mounting pad/square stem
- Low Torque Design
- TFM Encapsulated Flex Seat Design
- 17-4 PH stem

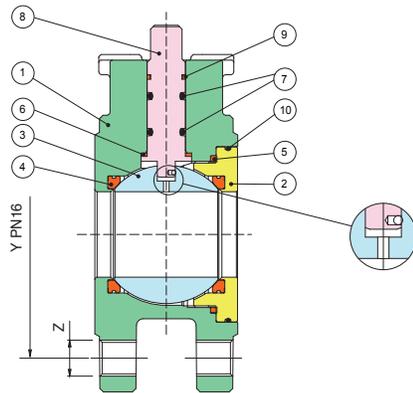
## PRESSURE - TEMPERATURE CHART FOR SERIES 723102V36/V6/V9



## M8E723102V36/V6/V9 V-BALL SERIES MODEL OPTIONS

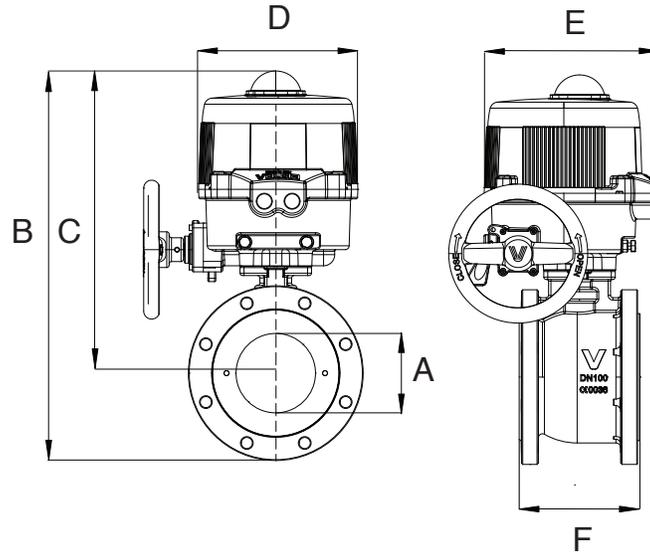
	<b>90° V-BALL</b>
	<b>M8E723102V9</b>
	<b>60° V-BALL</b>
	<b>M8E723102V6</b>
	<b>30-60° V-BALL</b>
	<b>M8E723102V36</b>

## BILL OF MATERIALS FOR 723102V36-V6-V9



N POS	PART NAME	MATERIAL	N PCS
1	BODY	A351-CF8M	1
2	END CONNECTION	A479-Tp316/A182-F316	1
3	BALL	A351-CF8M	1
4	BALL SEAL	TFM®	2
5	BODY SEAT	P.T.F.E.	1
6	THRUST WASHER	TFM®	1
7	O-RING	FKM (Viton®)	2
8	STEM	A564-Tp630 H1150D (17-4-PH)	1
9	STEM SEAL	P.T.F.E.	1
10	O-RING	FKM (Viton®)	1

## DIMENSIONS



Size	A	B	C	D	E	F	Act.
1"	1.00	12.49	10.16	6.34	7.36	1.89	VB030M
1-1/4"	1.25	13.51	10.67	6.34	7.36	2.13	VB030M
1-1/2"	1.50	14.13	10.98	6.34	7.36	2.50	VB030M
2"	2.00	14.77	11.30	6.34	7.36	3.23	VB030M
2-1/2"	2.50	17.32	12.99	6.93	7.76	4.06	VB060M
3"	3.00	18.10	13.38	6.93	7.76	4.80	VB060M
4"	4.00	20.26	14.97	10.63	10.47	5.98	VB110M

## CV VERSUS VALVE OPENING PERCENTAGE

Size	Degree	10%	20%	30%	40%	50%	60%	70%	80%	90%
1"	30-60°	0	0.1	0.4	0.8	1.4	2.4	4.0	6.9	11
	60°	0	0.3	0.8	1.6	2.7	4.6	7.7	13.4	22
	90°	0	0.5	1.4	2.8	4.9	8.2	13.7	23.7	39
1-1/4"	30-60°	0.00	0.20	0.70	1.30	2.30	3.90	6.50	11.30	18.00
	60°	0.00	0.40	1.30	2.50	4.50	7.60	12.70	21.90	36.00
	90°	0.00	0.80	2.20	4.50	8.00	13.40	22.40	38.80	64.00
1-1/2"	30-60°	0	0.3	1.0	2.0	3.5	5.9	9.8	17.0	28
	60°	0	0.7	2.0	4.0	7.1	11.9	20.0	34.5	57
	90°	0	1.1	3.3	6.6	11.6	19.5	32.6	56.4	93
2"	30-60°	0	0.5	1.5	3.1	5.5	9.2	15.4	26.7	44
	60°	0	1.1	3.1	6.3	11.1	18.7	31.2	54.0	89
	90°	0	2.0	6.0	12.0	21.2	35.6	59.5	102.9	170
3"	30-60°	0	1.3	3.9	7.8	13.8	23.2	38.9	67.2	111
	60°	0	2.7	7.9	16.0	28.2	47.4	79.3	137.1	227
	90°	0	4.7	13.6	27.3	48.1	80.9	135.4	234.1	387
4"	30-60°	0	2.1	6.1	12.3	21.6	36.3	60.8	105.2	174
	60°	0	4.3	12.4	25.0	44.1	74.1	124.1	214.5	355
	90°	0	8.1	23.6	47.5	88.8	140.8	235.7	407.50	675

## POSITIONER WIRING DIAGRAM - VB030M - VB350M

12V AC/DC, 24V AC/DC & 100-240VAC

