



JOB NAME:	CONTRACTOR:
JOB LOCATION:	APPROVAL:
ENGINEER:	CONTRACTOR P.O.:
APPROVAL:	REPRESENTATIVE:

M8E725002V36-0* - M8E725002V6-0* - M8E725002V9-0*
30-60° BALL 60° BALL 90° BALL

725002V36/V6/V9, 2-WAY STAINLESS STEEL, ANSI 150 FLANGED, "TRUE" WAFFER STYLE, FULL PORT BALL VALVE WITH METAL ELECTRIC ACTUATOR WITH POSITIONER OR POSITIONER W/ BATTERY BACKUP

SIZES 1" TO 4"

*022 24V AC/DC W POSITIONER	*023 100-240V AC W POSITIONER
*042 24V AC/DC W POSITIONER & BATTERY BACKUP	*043 100-240V AC W POSITIONER & BATTERY BACKUP

SPECIFICATIONS

The M8E725002V36/V6/V9 series electric package features the "true" wafer 725002V stainless steel, steam rated, full port, ANSI Class 150 flanged ball valve. The 725002V series also incorporates a relief hole located in the stem slot for thermal expansion protection. 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.

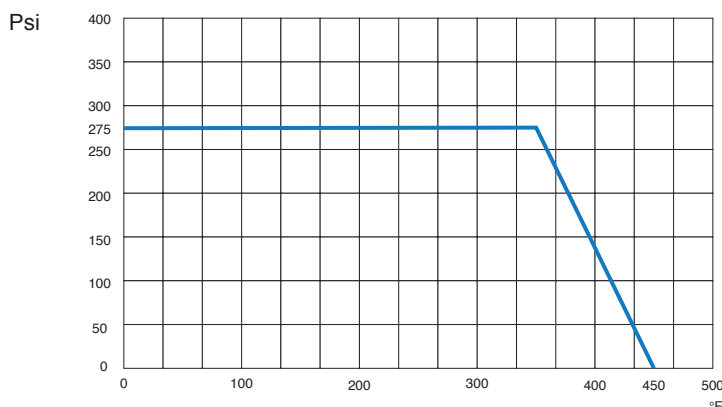
ACTUATOR FEATURES

- Dual Voltages
- 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

- Stainless Steel, ANSI class 150 flanged
- Full port, sizes 1" to 4"
- Temperature range -4°F to 450°F
- Blow-out proof stem
- 25% Carbon filled P.T.F.E. seats, packing and thrust washer
- Thermal relief hole in stem slot
- Space saving design
- 100% tested
- TUV T.A. Luft approved
- Anti-static stem device
- Steam service trim (200 WSP)
- ISO 5211 mounting pad with double "D" stem
- Complies with NACE MR 0175/ISO 15156 and NACE MR 0103

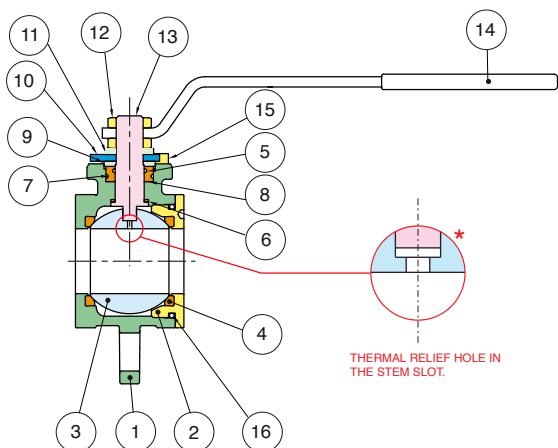
PRESSURE - TEMPERATURE CHART FOR SERIES 725002V36/V6/V9



M8E725002V36/V6/V9 V-BALL SERIES MODEL OPTIONS

	90° V-BALL
	M8E725002V9
	60° V-BALL
	M8E725002V6
	30-60° V-BALL
	M8E725002V36

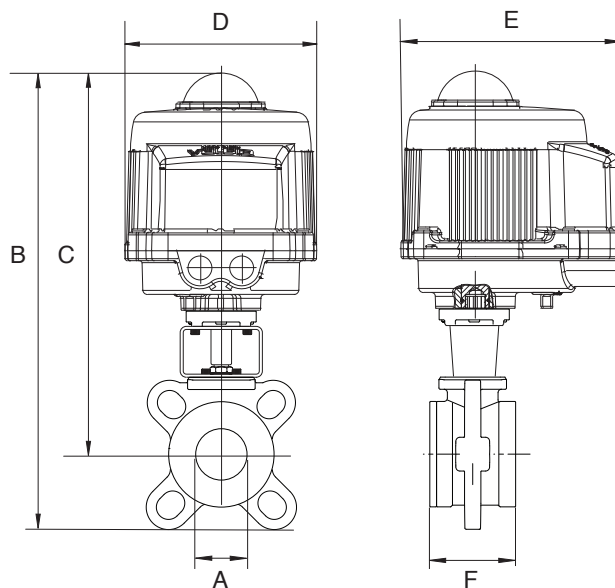
BILL OF MATERIALS FOR 725002



N POS	PART NAME	MATERIAL	N PCS
1	BODY	A351 CF8M	1
2	END CONNECTION	A479-316	1
3	BALL	A479-316/A351 CF8M	1
4	BALL SEATS	R.P.T.F.E.	2
5	O-RING	FKM (Viton®)	1
6	THRUST WASHER	P.T.F.E.	1
7	RING	FKM (Viton®)	1
8	STEM SEAL	P.T.F.E.	1

N POS	PART NAME	MATERIAL	N PCS
10	END STOP	CARBON STEEL	1
11	SPRING WASHER	CARBON STEEL	2
12	NUT	CARBON STEEL	2
13	STEM	A479-316	1
14	HANDLE	CARBON STEEL	1
15	SCREW	CARBON STEEL	2
16	O-RING	FKM (Viton®)	2

DIMENSIONS



Size	A	B	C	D	E	F	Act.
1"	1.00	13.07	10.79	6.34	7.36	1.81	VB030M
1-1/4"	1.25	13.48	11.02	6.34	7.36	2.12	VB030M
1-1/2"	1.50	14.99	12.30	6.93	7.76	2.50	VB060M
2"	2.00	15.86	12.76	6.93	7.76	3.23	VB060M
3"	3.00	20.94	16.33	10.63	10.47	4.80	VB110M
4"	4.00	22.49	17.26	10.63	10.47	5.60	VB190M

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	0.2	0.7	1.3	2.3	3.9	6.5	11.3	18
	60°	0	0.4	1.3	2.5	4.5	7.6	12.7	21.9	36
	90°	0	0.8	2.2	4.5	8.0	13.4	22.4	38.8	64
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	140.8	235.7	407.50	675

POSITIONER WIRING DIAGRAM - VB030M -VB350M

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

