Electric Stainless 3 Way Ball Valve

VALBIA Electric Actuator Type: E2300E-VB

VALBIA Smart Electric Actuator Available Functions: ON - OFF, FAILSAFE & MODULATING

3 Way Stainless Ball Valve with Plastic Valbia Electric Actuator

Main VALBIA Plastic electric actuator features:

Corrosion resistant technopolymer housing

V0 Self extinguishing housing

Fully weatherproof smart industrial actuator.

ISO5211 - DIN3337 Painted aluminium valve connection

Emergency manual override facility.

Thermostatic anti-condensation heater.

Electronic torque limiter.

End of travel switches for remote open/ closed indication.

CE marked.

EU manufactured by Valbia.

Specifications:	
Actuator housing	Technopolymer
Supply voltage range	24V AC or DC, or 110V, or 240VAC
IP Rating	IP67
Actuator temp limits	-10 to +55°C
Assembly temp limits	E2310ES-VB +110°C Mounted via kit
Valve body	CF8M (Cast 316SS)
Valve ball	316SS
Valve seats	PTFE
Valve Pressure rating	UTI 3” 63 bar at ambient temp
Valve temp limits	-29 to +220°C
Size range	1/4” to 3”

Applications:

Potable water (but not WRAS approved), oil, air and most non-corrosive media, subject to compatibility with wetted parts in contact with media.

Valbia Actuators sized on a maximum differential pressure of 10 bar wet service, operated at least once per day. If the intended duty differs from these parameters, or is dry (air or gas) call to check valve actuator sizing as a larger output electrical actuator may be required.

Maximum working temperature of a direct mounted assembly is +55C. For higher working temperatures , consider models that have a mounting kit between the valve and actuator which uses air cooling to dissipate the rising heat from the valve away from the actuator. Should the Valbia electric actuator see more than +55C it will malfunction.

Ball valve information:

Reduced bore 3 way, blow-out proof ball and stem, 4 seat design enabling the 3 way ball valve to be used for both mixing and diverting applications. Designed for automation with integrally cast ISO5211 actuator mounting platform but does require a mounting kit when fitting valve actuators. Turning the ball through 90° sets the flow in one direction, turning back through 90° sends the flow in a different direction, as 3 way valves change the direction of flow. End connections are threaded BSPP female.

How this electric 1/4 turn valve works (on-off):

Electrically operated valves are driven by a motor and gearbox. On receipt of a continuous voltage signal the motor runs and, via a gearbox in the Valbia electric actuator, rotates the valve stem. The motor stops at the desired position (usually 0° or 90°) by internal cams striking micro-switches. The smart valve actuator remains in this position, with the voltage still applied continuously, until switched and a continuous voltage reversing signal is applied, which runs the motor in the opposite direction, reversing the rotation until separate set of internal cams strike separate set of micro-switches.

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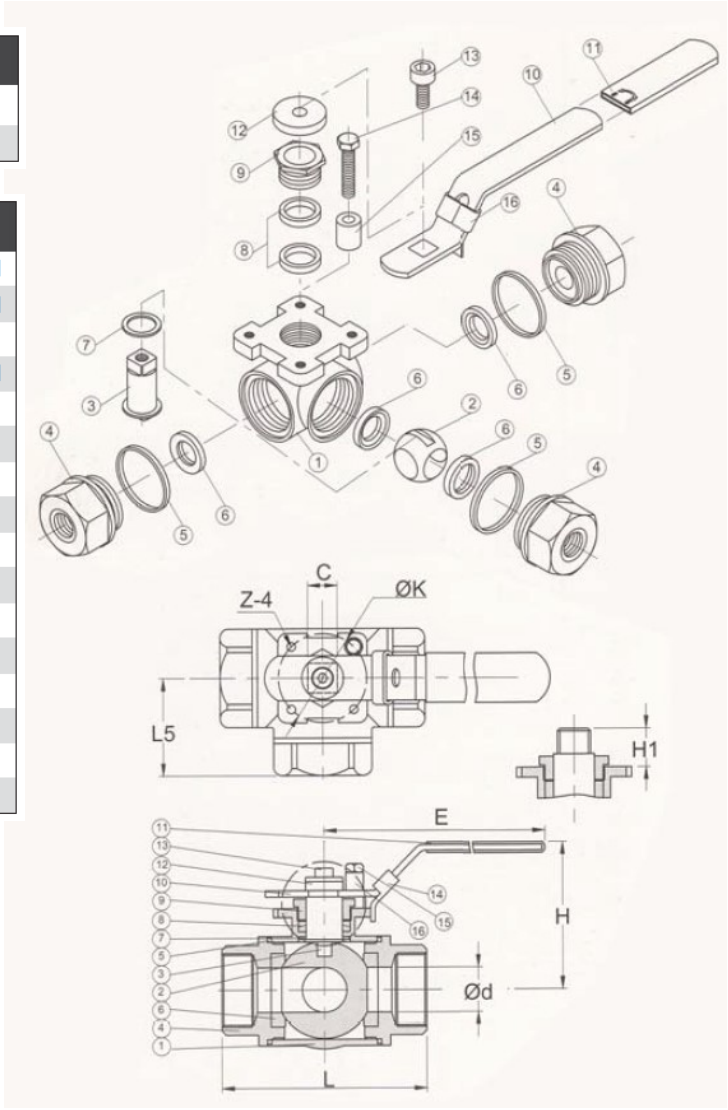
Pressure / Temperature Specifications	
Pressure	PN63
Temperature	-29°C to 220°C

Material Specifications	
1. Body	ASTM A351 CF8M Stainless Steel
2. Ball	ASTM A351 CF8M Stainless Steel
3. Stem	AISI 316 Stainless Steel
4. End Cap	ASTM A351 CF8M Stainless Steel
5. Body Seal	PTFE
6. Ball Seat	PTFE
7. Thrust Washer	PTFE
8. Stem Packing	PTFE
9. Gland Nut	AISI 304 Stainless Steel
10. Handle	AISI 304 Stainless Steel
11. Handle Sleeve	Plastic
12. Handle Washer	AISI 304 Stainless Steel
13. Handle Nut	AISI 304 Stainless Steel
14. Lock Device	AISI 304 Stainless Steel
15. Stopper Pin	AISI 304 Stainless Steel
16. Locking Device	AISI 304 Stainless Steel



Dimensions										
Size	ød	L	L5	E	H	H1	C	øK	Z-4	Torque*
¼"	11.0	69.4	34.6	133.4	60.7	10.7	9	42	M5xP0.8	7.4 Nm
⅜"	11.0	69.4	34.6	133.4	60.7	10.7	9	42	M5xP0.8	7.4 Nm
½"	12.5	75.7	37.3	133.4	64.1	10.7	9	42	M5xP0.8	7.4 Nm
¾"	16.0	86.6	44.7	178.5	82.4	13.9	11	50	M6xP1.0	14.8 Nm
1"	20.0	102.4	51.4	178.5	86.1	20.0	11	50	M6xP1.0	19.4 Nm
1¼"	25.0	118.2	57.7	209.9	91.4	23.8	11	50	M6xP1.0	25.4 Nm
1½"	32.0	125.8	62.7	208	102.7	25.8	11	70	M8xP1.25	35.0 Nm
2"	38.0	149.0	74.6	229.9	110.7	25.3	14	70	M8xP1.25	85.0 Nm
2½"	50.0	160.0	80.0	229.9	115.8	24.5	14	70	M8xP1.25	80.00 Nm
3"	65.0	185.0	92.5	265	132.0	25.5	17	102	M10xP1.5	120 Nm

* Without Safety

Subject to change without notice