

BALL ZONE VALVE 3 WAYS MxMxM DIVERTER MOTORIZED

Application

The zone valves **TENDER** are employed in conditioning systems to control automatically the inlet of the fluids in identified parts of the building, or also in mechanical room with their direct assembly on distribution manifolds, storage tanks, heat and cool water generators, renewable energy systems. Other uses of zone valves **TENDER** are in the energy metering systems, in the domestic drinking water distribution systems, and in the garden irrigation systems.

te-sa zone valves three ways diverter Art. 396M belong to the ball type with full port. The particular machining of the ball permits to put in communication alternates the below way with one of the head ways, without imbalances of pressure. The valves are motorized by means a fast connection mechanism, which permits in case of necessity to make quick maintenances.

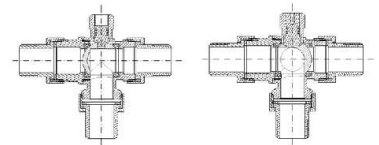


Characteristic

- Three ways diverter zone valve with male tailpieces flat seat
- Excellent for use in all applications where is required to have an on-off change of the flow direction between the two head ways, as for example in the air treatment units equipped with two pipe connections exchanger, or also in cases of storage tanks in renewable energy systems, or as equipment of storages in hot drinking water applications. The three ways of the valve are in communication only during the short transitory periods of the commutation phase.
- Full port ball characterized by high flow coefficient KV
- Totally chrome plated to obtain great corrosion resistance and optimal aesthetic aspect that is important in the exposed assembly.
- Motorized with fast connection servomotor with power supply 230V equipped of end switch free of tension
- Maneuver stem tamperproof assembled from inside and equipped with double O-ring and low friction PTFE ring
- Ball gaskets made of PTFE low friction with elastic anti-block system that reduces the first movement force and lengthens the life of the actuator

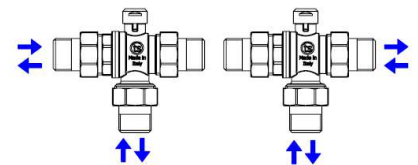
OPEN

BY-PASS



CLOSE

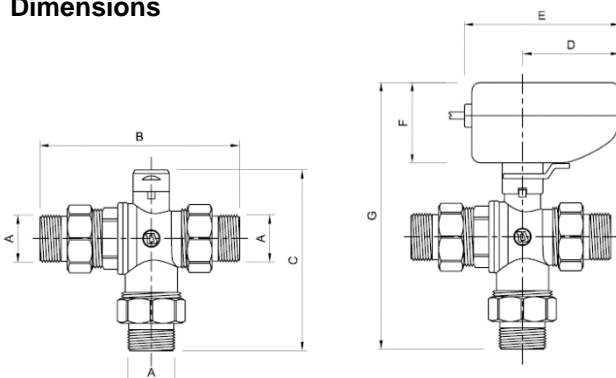
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Technical Data

- For use with hot and cold water in conditioning systems, drinking water distribution systems, garden irrigation waters
- Maximum operating pressure 10 bar
- Range of operating temperature $-5 \div 110^{\circ}\text{C}$
- Maximum percentage of glycol 50%
- Forged components made of brass alloy UNI-EN 12165:16 CW617N
- Directly machined from rod components made of brass alloy UNI-EN 12164:16 CW614N
- Ball gaskets made of PTFE low friction
- Seal O-ring made of EPDM
- Servomotor 230VAC-50/60 Hz, Power consumption 3.9 VA, Protection Class IP54, Double insulation Class 2, Rotation time 45 s, Starting torque 8 N-m, Operating temperature range $-5 \div 55^{\circ}\text{C}$, Auxiliary End-Switch electrical capacity 1A (250V), Connection wire length 0.8 m
- Connections with unions flat seat available for sizes 1/2", 3/4" and 1"
- Flow capacity: 1/2" size KV = 7 ; 3/4" size KV = 12 ; 1" size KV = 19

Dimensions



Art.	A	B	C	D	E	F	G
396-04	1/2"	118	99	65	108	55	160
396-05	3/4"	124	99	65	108	55	160
396-06	1"	138	121	65	108	55	182