

BALL ZONE VALVE 3 WAYS MxMxM BY-PASS MOTORIZED

Application

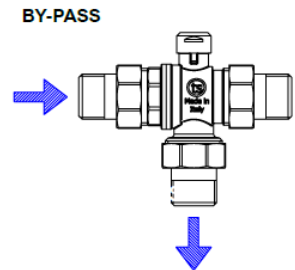
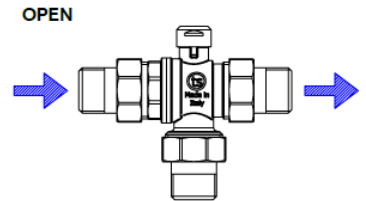
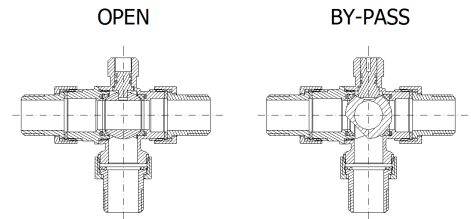
The zone valves **TENDER** are employed in conditioning systems to control automatically the inlet of the fluids in identified parts of the building, or also in mechanical room with their direct assembly on distribution manifolds, storage tanks, heat and cool water generators, renewable energy systems. 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 valve Art. 394M belong to the ball type with full port on the straight way, and contoured on the by-pass way, in order to have the maximum flow in line, and a preliminary balancing of the pressure loss on the third way. The valves are motorized by means a fast connection mechanism, which permits in case of necessity to make quick maintenances.



Characteristic

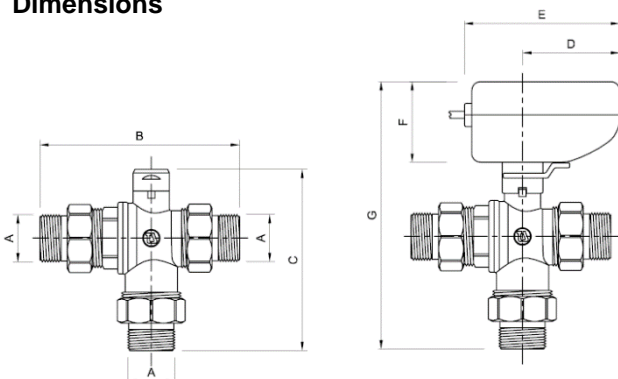
- Straight zone valve three ways with contoured ball on the below by-pass way, with male tailpieces flat seat
- Excellent for use in all applications with direct assembly on distribution manifolds or on system parts that require easy disassembly for maintenance. The zone valve Art. 394 permits to have continue circulation of the water also when the direct way is closed because all flow is diverted in the by-pass way
- Full port ball characterized by high flow coefficient KV on the straight way
- 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



Technical Data

- For use with hot and cold water in conditioning distribution systems, domestic drinking waters, garden irrigation waters
- Maximum operating pressure 10 bar
- Range of operating temperature -5÷110°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 CW61
- 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÷55°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 straight way: 1/2" size KV = 17 ; 3/4" size KV = 30 ; 1" size KV = 43
- Flow capacity by-pass way: 1/2" size KV = 2.2 ; 3/4" size KV = 3 ; 1" size KV = 3.9

Dimensions



Art.	A	B	C	D	E	F	G
394-04	1/2"	118	99	65	108	55	160
394-05	3/4"	124	99	65	108	55	160
394-06	1"	138	121	65	108	55	182