

ANGLE BALL VALVES FOR MANIFOLDS WITH SPECIAL TAILPIECES

Applications

The angle ball valves with special tailpieces **te-sa** Art. **351TK/1** (supplied with thermometers) and Art. **351K/1** (without thermometers but predisposed to put them), are characterized by extreme compactness that makes them optimal for direct mounting on 1" distribution manifolds. The main characteristic of these valves is the different length of the tailpieces that permit to have easy connection of the main pipelines located on vertical position inside the manifold cabinet.

This series of valves have a non-invasive housing for the thermometer created in the forged valve body, therefore without penalizing the flow capacity. When installed the thermometers permit to maintain easily under control the temperatures of the circulating water in supply and return. The components are made of high quality materials, and the body is particularly strong in order to withstand even high stresses applied to the valves during assembly.

The seal gaskets on the ball, made of low friction PTFE, make these valves very maneuverable even when left for long periods in a closed or wide-open position. The tailpieces with seal O-ring on the valve body connection and on the manifold connection facilitate assembly and maintenance operations. The self-sealing connection by means O-ring allows the direct assembly to **te-sa** manifolds and accessories without adding other seal materials as hemp or PTFE. The high thickness of the galvanic plating makes this series of valves particularly resistant to corrosive actions in case of use where aggressive atmospheres are present.



351TK/1

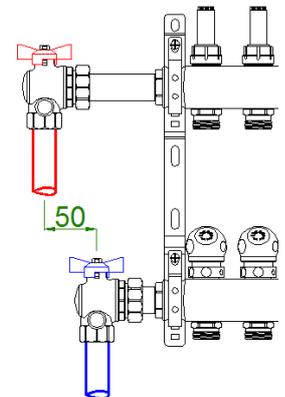
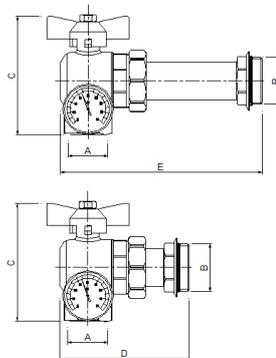
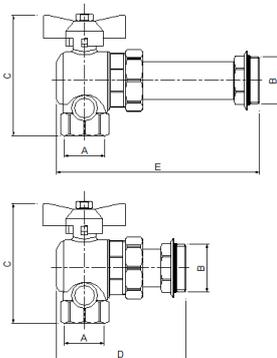


351K/1

Technical data

- For use with hot and cold water in heating and cooling distribution systems
- Maximum operating pressure 10 bar
- Range of operating temperature -5 ÷ 110°C for type without thermometer 351K/1
- Range of operating temperature 0 ÷ 80°C for type with thermometer 351TK/1
- Components made of brass alloy UNI-EN 12165 CW617N and UNI-EN 12164 CW614N
- Seal gaskets and O-ring made of EPDM. Ball gaskets made of PTFE low friction
- Maneuver stem tamperproof assembled from inside and equipped with double seal O-ring
- O-ring connections on valve side and on manifold side for the size inlet 3/4"F
- Flat seat connection on valve side and with O-ring on manifold side for the size inlet 1"F
- Thermometer range 0 ÷ 80°C, with non-invasive housing on the valve body and possibility of positioning on both sides
- Tee handle made of aluminum painted red or blue
- Full port ball, valve connection Female 3/4" or 1", and manifold connection Male 3/4" or 1"
- Tailpieces exchangeable on the two valves to have different possible configurations
- Difference in length between the two tailpieces 50 mm (this is also the centre distance of main pipelines)
- Maximum percentage of glycol 40%
- Flow capacity for each valve: KV = 10 for valve connection size 3/4"F and KV = 16 for valve connection size 1"F
- Body valve nickel plated, ball and tail piece with nut chrome plated
- Packaged in pair with red and blue handles for assembly on supply and return lines

Dimensions



Art.	A	B	C	D	E
351K/1-05	3/4"F	3/4"M	82	85	135
351K/1-065	3/4"F	1"M	82	92	142
351K/1-06	1"M	1"M	93	102	152

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