

BALL SEGMENT VALVE AND BALL SEGMENT VALVE ARRANGEMENT

ABSTRACT

A ball segment valve comprise a valve housing (23) with a circular annular valve seat (28), a valve body (26) which has the shape of a spherical segment which is rotatable about an axis of rotation (49) which intersects the centre of the sphere of which the valve body constitutes a segment, a rotating spindle (41) which extends through and is mounted in one side of the valve housing, and a journal bar (43).

The rotating spindle and the journal bar are interconnected by a bow (42) in order to form together with the bow a continuous rotating unit (25).

The journal bar is mounted in a cover (24) which covers a hole (64) in the other side of the valve housing, which hole is sufficiently large that the rotating unit can be introduced through the hole into its intended operating position in the valve housing and be fixed in this position by subsequent mounting of the cover.

The bow comprises a pair of legs (46, 47) which are connected to the rotating spindle and to the journal bar respectively, together with a yoke (45) connecting said legs at a distance from the axis of rotation (49), the valve body being mounted on said yoke.

Fig. 4