

## GLOBE VALVES

### GLOBE BOLTED BONNET



FLUITEK ORSENIGO VALVES has a very extended experience in globe valves manufacturing. In this kind of valve, the disc is moving in a perpendicular direction away from the seats. This implies the disc-to-seat ring contact to be at right angle, which permits the force of closing to tightly seat the disc, reducing the seat leakages. Normally, the globe valves are arranged so that the disc closes against the direction of fluid flow.

The stem and the disc are not strictly fixed together, but the disc can swivel in order to guarantee the complete contact between the disc and seats surfaces. The disc can be plug type, needle type or parabolic type. FLUITEK ORSENIGO VALVES globe valves are on/off valves, but sometimes they are utilized in throttling service. In this case the parabolic disc shape is preferable, since the ratio between the stem position and the fluid flow is constant.

Cast body construction is normally used. Ends configuration is either with flanged ends or with butt weld ends. Materials range from carbon steel to low alloy steel, to austenitic stainless steel, to nickel alloys. Materials are either to ASTM/ASME standards or to EN standards, either harmonized or calculated to design conditions. Pressure classes (per ANSI standard) are normally ranging from 150# to 300# to 600#. Size range depends on pressure class requirements, FLUITEK ORSENIGO VALVES having no limits in relation to market requirements.



A typical example is class 600#, sizes in the most used range, but not limited to.

CHARACTERISTICS - ANSI 600#					
Nominal Size [inches]	Pressure Class	Bone diameter [mm]	Face to face [mm]	From center line to top [mm]	Total weight [kg]
2"	600	51	292	375	34
3"	600	76	356	470	63
4"	600	102	432	605	128
6"	600	152	559	825	309
8"	600	200	660	924	525
10"	600	248	787	1055	796
12"	600	298	838	1248	1098
14"	600	345	889	1565	1402
>14"		On application			