

GLOBE VALVES

Y-PATTERN PRESSURE SEAL BONNET



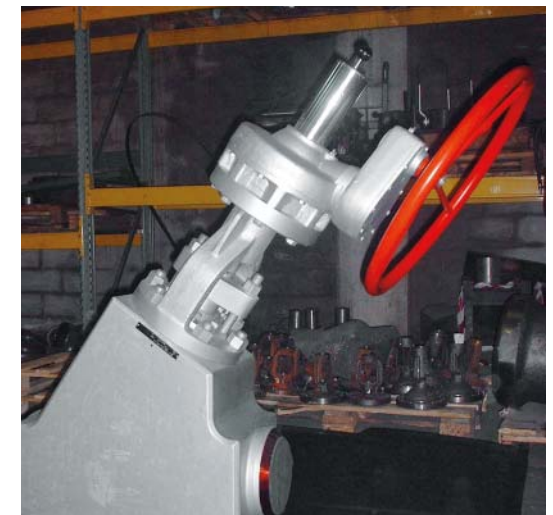
FLUITEK ORSENIKO VALVES has a very extended experience in supplying this type of valve for high pressure applications. The manufacturing features:

- fully guided disc in the body
- alternative shapes of disc (plug type, needle type, parabolic shape)
- swivel type stem-to-disc connection

are all deemed to allow adaptation to various service conditions, including throttling service. The Y-pattern fluid path shape helps to reduce fluid turbulence and consequent cavitation phenomenon. Design can be to ASME B16.34 but, also, to EN 12516. Cast body construction and forged body construction are both available.

Materials range from carbon steel to low alloy steels (including the widely used 9% Cr alloys), to austenitic stainless steel, to nickel alloys. Packing systems are based on graphite material, but ceramic fiber yarn packing sets are also available for temperature exceeding 600°C.

Materials are either to ASTM/ASME standards or to EN standards, either harmonized or calculated to design conditions. Pressure classes (per ASME standard) are normally ranging from 900# to 1500#, 2500# and 2500#. Class 4500# is also available but only in the forged body construction.



Size range depends on pressure class requirements, FLUITEK ORSENIKO VALVES having no limits in relation to market requirements. A typical example is class 1500#, sizes in the most used range, but not limited to.

CHARACTERISTICS - ANSI 1500#

Nominal Size [inches]	Pressure Class	Bone diameter [mm]	End to end flanged [mm]	From center line to top of the actuator mounting flange [mm]	Total weight [kg]
2"	1500	45	216	300	45
3"	1500	68	305	347	54
4"	1500	90	406	425	80
6"	1500	110	559	615	310
8"	1500	120	711	682	510
10"	1500	210	864	807	1080
12"	1500	238	991	1010	1350
14"	1500	260	1067	1013	1690
16"	1500	300	1194	1190	2100
18"	1500	330	1346	1360	2410
20"	1500	370	1473	1380	3200