



GATE VALVES

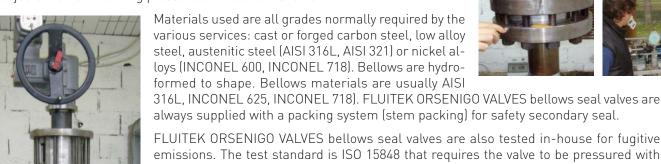
BELLOWS SEAL BOLTED BONNET

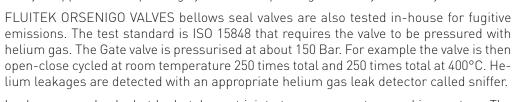


Bellows seal valves are used in applications where a hermetic tightness is essential in order to prevent any possible leakage of process fluid into the atmosphere, where the fluid is particularly hazardous (poisonous, aggressive, radioactive). FLUITEK ORSENIGO VALVES is specialised in gate valves with bellows seals, in particular in the manufacturing ٥f٠

- Valves of large diameter (eg. 48"gate) normally for low pressure applications (typically class 300 ANSI)
- Valves of medium-small diameter (eg from 1/2" to 12") normally for high pressure applications (class 600, 900, 1500, 2500 ANSI)

In both cases the construction of the bellows and its assembly system to other components of the valve are essential, in particular for the resistance of the bellows which is subjected to fluid working pressure on the external side.





Leakages are checked at body-tobonnet joint at emergency stem packing system. The packing system test is done by creating a vacuum around the area. Leakages rates are less than 10 at minus six measuring units for packing system and 50 parts per million for body to bonnet joint. The test qualifies bellow seal gate valves with similar construction for all pressure classes below the tested one and stem dimensions that are not less

than half or above double of the valve tested.











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technical sheet

A typical example are the gate valves, class 900 ASME, with cast body. Other dimensions available per customer request.

CHARACTERISTICS – ANSI 900#					
Nominal Size [inches]	Pressure Class	Bore Diameter [mm]	Face to face [mm]	From center line to top[mm]	Total weight [kg]
3''	900	72	381	940	125
4''	900	98	457	1370	261
6′′	900	146	610	1750	620
8''	900	190	737	2150	900
10''	900	238	838	2470	1100
12"	900	282	965	2880	1500