

# Friulco°

## **GATE VALVES**

### WEDGE TYPE PRESSURE SEAL BONNET



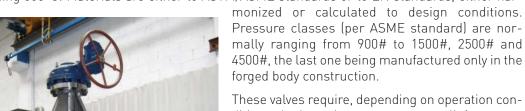
#### It's features:

- flex wedge disc
- pressure seal body/bonnet joint (also called autoclave)
- high strength construction

are deemed to obtain optimum and safe functioning at medium to high pressures. The pressure seal body/bonnet joint uses a composite graphite/stainless steel seal ring that is today's optimum solution sealing mechanism. Bi-directional on-off functioning is guaranteed with both seats being tested. Operation, depending on size, pressure class and customer demand can be manual with handwheel, manual with gear operator, electric motor actuated, pneumatic operated.

Design can be to ASME B16.34 as well as to EN 12516. Cast body construction (both flanged and with butt weld ends) and forged body construction (with butt weld ends) are both available.

Materials range from carbon steel to low alloy steels (including the widely used modified 9% chrome alloys), to austenitic stainless steels, to nickel alloys. Packing systems are based on graphite material, but ceramic fiber yarn packing sets are also available for temperatures exceeding 600°C. Materials are either to ASTM/ASME standards or to EN standards, either har-



These valves require, depending on operation conditions, body cavity overpressure relief systems and/or warm up bypass systems, all made available by FLUITEK ORSENIGO VALVES to customer's demand. The forged body construction allows FLUITEK ORSENIGO VALVES to supply this product with dimensions and pressure classes out of standard, designed to the specific requirements of the customer (temperature, pressure, size of the line) without any dimensional limitation.











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technical sheet

Size range depends on pressure class requirements, FLUITEK ORSENIGO VALVES having no limits in relation to market requirements. A typical example is class 2500#, sizes in the most used range, but not limited to.

CHARACTERISTICS - ANSI 2500#				
Nominal Size [inches]	End to end [mm]	From central axes to top of actuator mounting flange [mm]	Bore Diameter [mm]	Total weight [kg]
2"	279	323	38	25
3"	368	432	57	61
4"	457	487	73	117
6"	610	635	110	255
8"	762	722	147	478
10"	914	806	166	831
12"	1041	1013	219	1430
14"	1118	1111	241	1891
16"	1245	1330	254	2548
18"	1397	1432	311	3480
20"	1397	1602	343	4920
24"	1550	1830	413	7900
> 24"	On Application			