

CHECK VALVES

TILTING DISC TYPE BONNETLESS

Tilting disc check valves, otherwise called “equilibrated disc check valves”, have the well known features of a typical “no slam” behavior. The disc is maintained open in equilibrium by the fluid flow and when it stops the reversed flow makes the disc move to the closed position by rotating it against the seat, not slamming into it as it happens in a swing check valve.

Such a valve is obtained in case of lower range pressure classes (ANSI 150# and 300#) in the so called bolted bonnet configuration. Indeed the body (cast construction) is in two halves with a bolted connection at 45 degrees angle in relation to the horizontal axis of the valve.

FLUITEK ORSENIKO VALVES has a unique design that eliminates that bolted connection (and consequent possible leakages to the external) while maintaining the basic features of the tilting disc. No change in possible maintenance necessities: both configurations require disassembling of the valve from the line to access to the internals.



A typical dimensional example is class 150# with flanged ends as indicated. However, FLUITEK ORSENIGO VALVES has no dimensional limits in relation to the market requirements.

CHARACTERISTICS – ANSI 150#

Nominal Size [inches]	Pressure Class	Bore diameter [mm]	End to end [mm]	Total weight [kg]
4"	150	86	216	20
6"	150	129	324	38
8"	150	172	432	70
10"	150	215	540	113
12"	150	258	647	180
14"	150	300	755	247
16"	150	343	863	343
18"	150	386	971	456
20"	150	429	1079	612
24"	150	515	1295	995
28"	150	601	1450	1551
30"	150	700	1524	1991