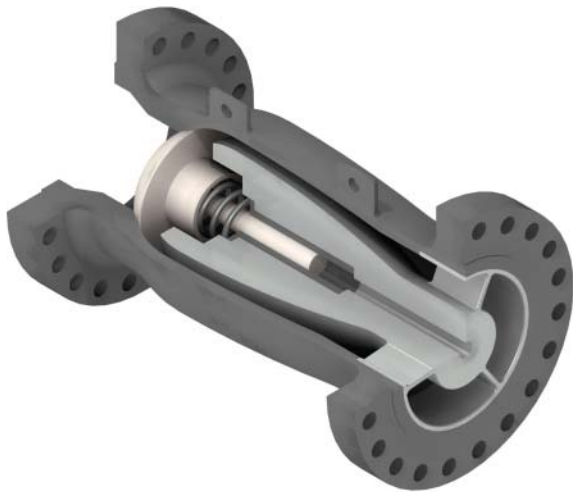


CHECK VALVES

NOZZLE TYPE

This type of non return valve is mainly used in gas systems for the protection of the compressors in case of reverse flow. The main features are a non-slam functioning, low pressure drop related to the geometry of the flow path, elimination of the risk of fluid leakages to the environment obtained by trim construction, fully contained in the body. FLUITEK ORSENIGO VALVES line of product can be substantiated with computerized fluidynamic analysis determining the flow behavior at the service conditions indicated by the customer.

Design is normally complying with ASME B16.34. Materials are normally carbon steel, low temperature carbon steel, but other materials (such as austenitic stainless steel) can be used per customer request. Seats are normally with soft inserts. Pressure classes are normally ANSI 600# or 900#. Other pressure classes are anyhow available per specific customer request.



The table shows a typical example of nozzle check valves class 900# with flanged ends. Sizes are indicated, but not limited to, for the most used range.

CHARACTERISTICS - ANSI 900#				
Nominal Size [inches]	Pressure Class	Bore diameter [mm]	End to end flanged [mm]	Total weight [kg]
3"	900	60	384	80
4"	900	80	460	110
6"	900	120	613	210
8"	900	156	740	420
10"	900	195	841	630
12"	900	231	968	840
14"	900	255	1038	1100
16"	900	292	1140	1350
18"	900	328	1232	1700
20"	900	365	1334	2100
24"	900	438	1568	3400