



DUAL PLATE CHECK VALVES

Literature



Introduction:



Figure 1 Dual Plate Check Valves

Wafer type dual disk check valve is designed to permit fluid flow in one direction only and prevent back flow from pipeline. It is designed and manufactured according to API 594 standard. Inspection and testing had been carried out according to API 598 standard.

Dual disk check valve is installed between two flanges, which the installation needs to be compatible with the flow direction of the pipeline. When the fluid flows into the inlet port, the pressure will push the plates open and fluid flow through the outlet port. Any

back flow from the outlet port will push the plates close to the seat ring. Dual disk check valves are installed on pipelines to carry fluids such as clean water or air instead of solid fluids such as wastewater or raw sewage.

Material and Design:

Dual disk type check valve is available in stainless steel SS316 material. It comes with a short face to face design which results in light weight and is ideal for installation in tight spaces pipeline systems. The seat ring prevents leakage if there is any backflow. It can be available in NBR or stainless steel material. Do check with us for the availability of different seat ring material.

Size and Pressure Rating:

The size for the dual plate check valve is ranged from 1 1/2" to 6". For sizes above 6", do check with us for indent basics. It can withstand up to 40 bar, which is 580 PSI working pressure.

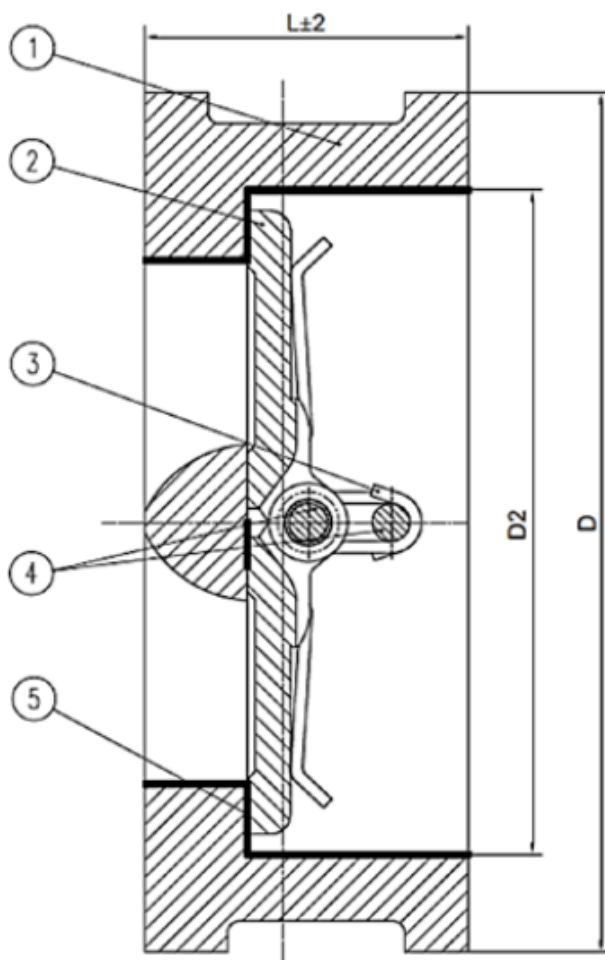


Figure 2 PN40 Dual Plate Check Valves

Connection Type:

Wafer dual disk check valve is suitable to install between two flanges, tightened by bolts and nuts on both flanges. Referring to the flange size, 4 sets or 8 sets of bolts and nuts are needed for the installation process.

Wafer Type Dual Disk Check Valve Drawing:



Material:

NO	PART NAME	MATERIAL
1	Body	CF8M/SS316
2	Disc	CF8M/SS316
3	Spring	SS316
4	Pin	SS316
5	Sealing Face	EPDM

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