



Double Door Wafer Check valve

BEST INSTALLATION PRACTICES

VALVE INSTALLATION

Check valves are not shut-off valves. While soft-seated dual-plate check valves provide zero seat leakage per API 598, soft-seated valves should not be used as shut-off valves.

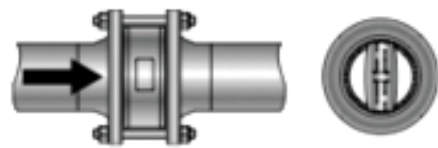
Dual-plate check valves are not piggable.

All check valves, where the disc closing force is provided inside the valve by spring, gravity, back flow or a combination of those forces, shall not be used to replace a shut-off valve in the piping.

Check valves shall always be accompanied by a shut-off valve with an external indication of the closing member (disc or wedge) position. The exception to this rule, are the check valves with an external force assisting the closing of the disc, such as for example stop-check valves that have an external position indication.

Check valves should be installed a minimum of 5 pipe diameters downstream of any piping component (pump, compressor, elbow, tee, valve, etc.) to allow the flow to stabilize. There should also be a minimum of 2 diameters of straight pipe downstream of the valve before the next fitting to allow for pressure recovery. The distance of 5 pipe diameters downstream is applicable to both vertical and horizontal pipe runs.

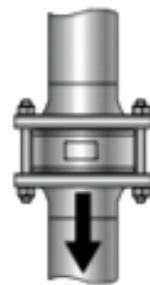
→ Indicates flow direction



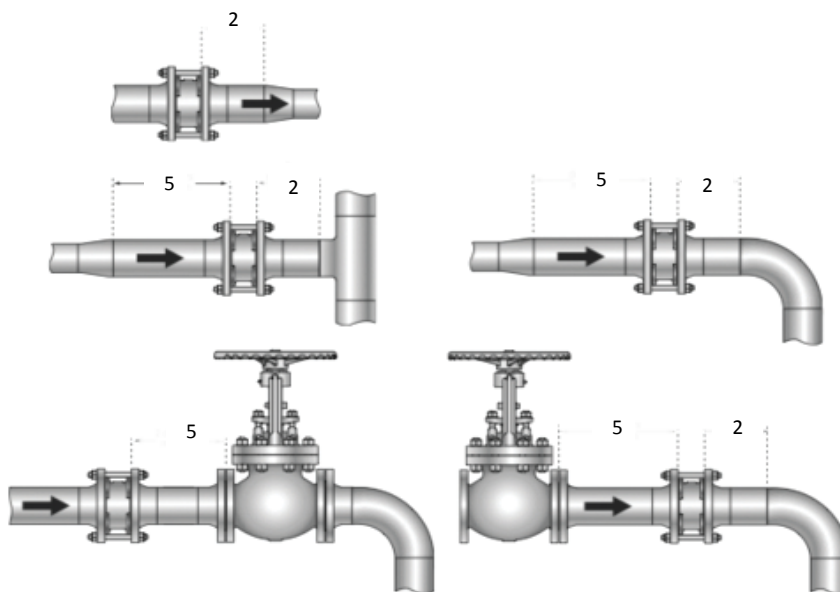
Correct installation, pipe must be vertical



Vertical pipe with flow UP



Vertical pipe flow DOWN. In general, flow down installation is not recommended. Consult factory with specific size, rating and application.



No: 2 & 5 Diameter minimum