

Check valves allow fluid to flow through the valve in one direction only, and for this reason are also known as non-return valves or one-way valves. Check valves are used to prevent backflow in the system by relying on a difference in pressure between inlet and outlet to work. When the pressure is high on the inlet side of the valve, compared to the outlet side, the valves allow flow though, but if the pressure differential is not high enough on the inlet side, the valve will close.

Product application

Check valves are typically used in applications where backflow would cause an issue in the system. An example would be as in sewer lines where waste should be able to leave but not re-enter the system.

Available valves

AMRI, Natco wafer check valves

Application:	Industrial, mining, irrigation, process, chemical, petrochemical industries and municipalities
Size range:	50mm to 600mm
Pressure range:	Up to PN 250 / ANSI 1500 depending on size and valve selection
Temperature range:	-250°C to 538°C

KSB check valves

Application:	Warm water to high pressure steam
Size range:	20mm to 500mm
Pressure range:	Up to PN 600 depending on size and valve selection
Construction:	Cast iron, exotic alloys
End connections:	Wafer, flanged, butt weld and socket weld

Terofix/ANSI check valves

Application:	Petrochemical, steam and other pressure applications
Size range:	8mm to 600mm
Pressure range:	Up to ANSI 2500
Construction:	Cast steel, forged steel, cast iron, stainless steel, special alloys