

A gate valve is a multi-return shut off valve, also known as a sluice valve. The gate valve mechanism relies on lifting a solid disc barrier out of the path of the fluid to open the full flow of the pipeline, and can also allow the complete shut off of fluid when the gate is closed. When the gate is fully open, it offers little resistance to flow. It is recommended not to try control flow with a gate valve as opening the gate halfway with high velocity fluid flow, may damage the valve.

Product application

Primarily used for an on/off, non-throttling function, gate valves are suitable for most fluids including steam, water, oil, air, and gas. However, they are more commonly used in refineries and petrochemical factories where temperatures may be very high, but pressure is relatively low; and less commonly used in oil and gas production factories due to high pressures.

Available valves

Natco cast iron gate valves

Application:	Industrial, agriculture, mining and robust applications
Size range:	50mm to 300mm
Pressure range:	PN 10
Temperature range:	-15°C to 130°C
Construction:	Body: cast iron Seat: gunmetal
Options:	Rising and non-rising spindles
End connections:	Flanged

Natco resilient sealed gate valves

Application:	Civils and water reticulation
Size range:	50mm to 350mm
Pressure range:	16 bar
Construction:	Cast iron, SG iron
End connections:	Flanged, spigot, shouldered