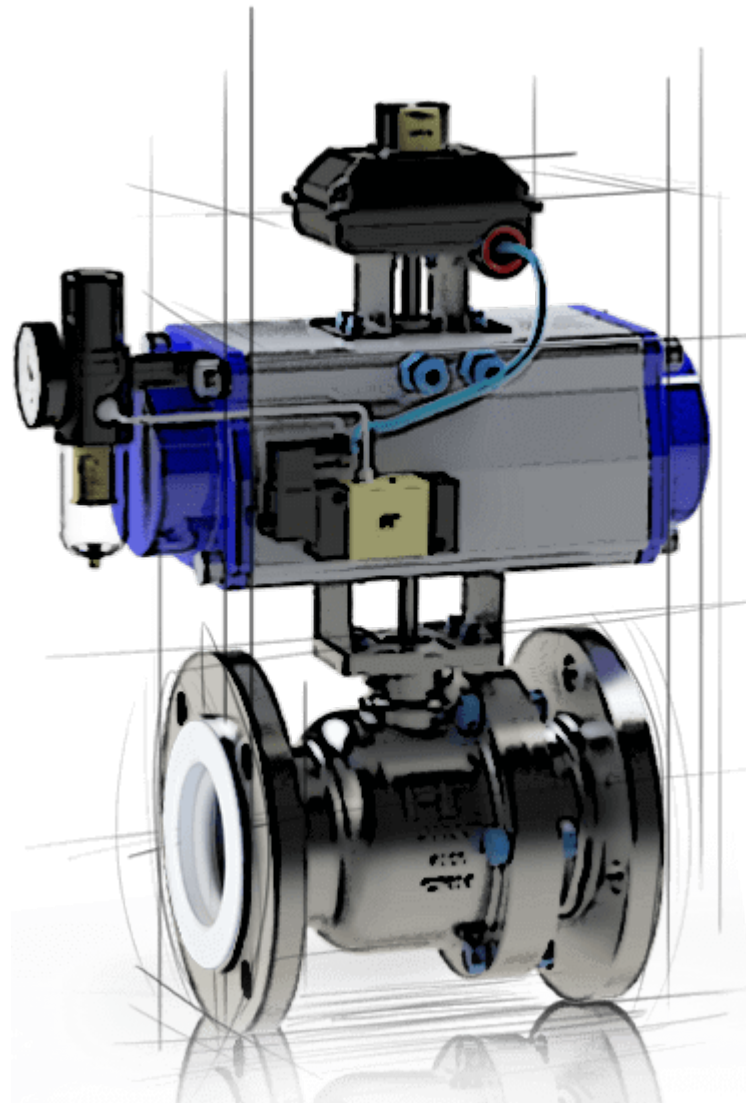


PTFE Lined Ball Valve. Corrosion Resistance and Performance Combined

In highly corrosive and chemically aggressive environments, conventional valves often fail to deliver the necessary performance and durability. This is where PTFE lined ball valves come into play. Designed specifically to withstand harsh media, PTFE (Polytetrafluoroethylene) lined ball valves provide superior chemical resistance, reliable sealing, and long service life. These valves are widely adopted across various industries including chemical, pharmaceutical, petrochemical, and wastewater treatment plants.

What is a PTFE Lined Ball Valve?

A PTFE lined ball valve is a type of quarter-turn valve in which the inner surfaces—especially the ball and body—are lined with PTFE, a high-performance fluoropolymer. PTFE is known for its exceptional resistance to chemical attack, non-reactivity, low friction coefficient, and ability to withstand high temperatures. The valve structure typically includes a stainless steel or carbon steel body for mechanical strength, while the internal PTFE lining offers a protective barrier against corrosive fluids.



Key Features of PTFE Lined Ball Valves

