

Stainless Steel Hard Seal Flange Ball Valve

Price	\$ 0
External URL	https://www.chinavalvesflange.com/
Keywords	
Hits	79
URL	https://www.eqlic.com/products/detail/stainless-steel-hard-seal-flange-ball-valve-268

The stainless steel hard seal [ball valve](#) features a metal-to-metal sealing mechanism between the sphere and valve seat, ensuring a highly durable and reliable seal under extreme conditions. The sealing structure incorporates a flexure spring in the valve seat, which effectively overcomes the limitations of soft-sealing ball valves, particularly in low operating temperatures. Unlike soft-seal valves, the metal-to-metal design of this valve is ideal for high-pressure and high-temperature environments.

These valves are especially suitable for applications involving water, steam, oil, viscous liquids, and media containing particles. Stainless steel hard seal ball valves are commonly used in pipelines and equipment that require resistance to high temperatures and pressures, providing reliable flow control in demanding industrial processes. However, they are not suitable for media with granular components, as the metal seals are not designed to handle abrasive particles. This makes them ideal for a wide range of high-performance applications in industries such as petrochemical, power generation, and heavy manufacturing. For more know more about [China Manufacturers](#).

SUPPLIER

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