API 600 Wedge Gate Valve

Technical Features

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API 600 Wedge Gate Valve

FZV's API 600 Wedge Gate Valve combines small flow resistance and high flow capacity with sealing capabilities to reach Class A sealing test requirements of ISO 15848 FE.

Product Type	ON/OFF
Product Desc.	Wedge resilient gate valve
Model	Z40H-gate valve
Nominal Dia.	2" ~ 60"(50mm ~ 1500mm)
Operating Temp.	-196C ~ 593C (the range of service temperature may vary for different materials)
Operating Press.	150-2500 CLASS
Material	Main material: A216 WCB, WCC / A217 WC6, WC9, C5, C12, C12A, CA15 / A351 CF8, CF8M, CF3, CF3M, CF8C, CN3MN, CK3MCUN, CN7M / A352 LCB, LCC / A494 CW-6MC, CU5MCuC, M35-1 / A890 4A(CD3MN), 5A(CE3MN), 6A(CD3MWCuN) / ASME B 148 C95800, C95500, etc.
Design Std.	API 600, ASME B16.34, GB 12234, GB 12224
Structural length	ASME B16.10
Connecting End	ASME B16.5, ASME B16.25, GB 9113, GB 12224
Test Std.	API 598, ISO 5208, JB/T9092, GB/T13927
Operation Method	Non-elevating hand wheel, bevel gear, motor drive unit, pneumatic drive unit

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Application fields For application in fields such as electric power industry, petroleum refining, petrochemical engineering, offshore oil, tap water engineering in urban construction, chemical engineering, etc.

Product Features

- The sealing faces of valve seat and valve clack are build-up welded with hard alloy to improve the erosion resistance and extend the service life of valve.
- SS + graphite or metallic seal or pressure self-sealing is adopted between valve body and bonnet for reliable sealing
- Rising stem structure, making the valve switch position be clear at a glance
- The valve stem thread will not come into contact with the medium, so the corrosion of medium to the thread is reduced.
- Small switching moment, reliable sealing
- The gate valve is of wedge and resilient type that can compensate the slight deformation, so the sealing performance is good.
- Small flow resistance, high flow capacity and good flow characteristics
- For small gate valves, the interchangeability can be ensured with process tooling.
- Through improving the structural design and selecting reasonable packing structure and qualified packing supplier, the valves can meet the Class A sealing test requirements of ISO 15848 FE.

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