



API 602 Forged Valves

API 602 forged valves are compact, high-performance valves specifically designed for high-pressure and high-temperature industrial applications. These valves comply with API 602 standards, which define strict requirements for durability, reliability, and precision in smaller valve sizes, typically ranging from 1/4 inch to 4 inches. They are widely used in industries such as oil and gas, petrochemical, power generation, and refinery operations.

Features

- **Materials:** Constructed from high-strength forged steel, such as ASTM A105, F304, F316, and other grades, to ensure durability and corrosion resistance.
- **Connection Types:** Available in threaded (NPT), socket weld, butt weld, and flanged ends to meet diverse piping requirements.
- **Temperature Range:** Suitable for operations in temperatures ranging from -29°C (-20°F) to 593°C (1100°F), depending on material selection.
- **Pressure Ratings:** Designed for high-pressure applications with class ratings such as 150, 300, 600, 800, 1500, and 2500.
- **Design Features:** These valves include a bolted bonnet or a welded bonnet, a flexible or solid wedge gate for tight shutoff, and backseat arrangements for added safety.

API 602 forged valves are the preferred choice for critical applications due to their robust construction, leak-tight performance, and ability to handle extreme pressure and temperature conditions effectively.