

Duplex Steel Valve Manufacturer in India



Specialityvalve is one of the top [Duplex steel valve manufacturer in India](#). We supply to Tamil Nadu, Uttar Pradesh and Gujarat. Duplex steel valves are a type of valve made from a duplex stainless steel material. Duplex stainless steel is a mixture of austenitic and ferritic stainless steel, providing high strength and corrosion resistance properties. This combination makes duplex steel valves suitable for use in harsh environments and demanding applications, such as oil and gas, chemical processing, and marine applications.

Duplex steel valves typically have better resistance to corrosion, pitting, and stress corrosion cracking compared to other types of stainless steel valves. They also have high strength and toughness, making them suitable for high-pressure applications.

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Types:

- Duplex steel ball valve
- Duplex steel butterfly valve
- Duplex steel check valve
- Duplex steel plug valve
- Duplex steel needle valve
- Duplex steel gate valve
- Duplex steel globe valve
- Duplex steel control valve
- Duplex steel strainer valve
- Duplex steel steam trap valve

Advantages:

- Good weldability
- Large thermal conductivity
- Good corrosion resistance
- Better mechanical properties
- High durability

Disadvantages:

- It is limited to low differential pressure
- Cavitation and choked flow are two potential concerns in these valves.

Industries:

- Sea water equipment
- Power generations
- Petrochemicals
- Gas processing
- Chemical Equipment

Description:

- Body Material: Duplex Steel (F51, F53, 4A. 5A), ASTM A995,A890
- Class: 150 to 2500.
- Pressure: PN25 to PN450.
- Size: ½" to 24".
- Operations: Lever operated, Handwheel operated, Pneumatic actuated, Electric actuated

<https://www.specialityvalve.com/product-category/duplex-steel-valve/>