

# Forged Steel Globe Valve Supplier in Dubai



UAE Valve is the largest [Forged Steel Globe Valve Supplier in Dubai](#). The forged steel globe valve is designed with a round valve body and a spherical disc that controls the flow of fluid by moving up and down within the valve. This unique design allows for better control over the flow rate and pressure, making it ideal for throttling applications.

However, due to its longer structure, it may require more space in a pipeline system compared to the compact design of a forged steel gate valve. Furthermore, prolonged use of the globe valve can cause an increase in fluid resistance due to wear and tear on its components, which can result in decreased efficiency and potential leakage.

## **Differences Between Forged Steel Globe Valves and Other Globe Valves**

While both valves are made of strong and durable forged steel material, the globe valve has less reliable sealing after extended operation. This is because the constant movement of the disc against the valve seat can cause wear and tear on their sealing surfaces. As such, regular maintenance and inspections are crucial to ensure proper functioning and prevent any potential leaks.

It is also important to note that, unlike a gate valve which allows bidirectional flow of medium, a globe valve only permits unidirectional flow. This makes it essential to consider its placement during installation as incorrect orientation can lead to operational issues or damage to the valve.

In summary, while the forged steel globe valve offers precise control over fluid flow and is suitable for various industrial applications, careful consideration must be taken regarding its size, potential performance issues after extended use, and directional requirements during installation.

### **Working Principle of Forged Steel Globe Valve Supplier in Dubai**

The valve most commonly used is the small globe valve made of forged steel. The reason it is so well-liked is that there is less friction between the sealing surfaces when it opens and closes, it is more robust, the opening height is not too high, manufacture is simple, and maintenance is convenient.

A forged steel globe valve can withstand high pressure as well as medium and low pressure. Its closing principle is that the sealing surface of the valve seat and the sealing surface of the disc are closely adherent to each

other to prevent the medium from circulating, depending on the pressure of the stem.

The forged steel globe valve is directional during installation, meaning that it only permits one direction of medium flow.

### **Applications of Forged Steel Globe Valve**

Generally fine controlling of the flow

Power Plants & Process Industries

Petrochemical Plants & Refineries

Fertilizer Plants

Process & General Industries

Sugar Industries & Distillery Plants

Water, Steam, Gas, Oil & other non-aggressive media

### **Description:**

**Body Material:** F3, F304, F316, F31L, F51, F55, F91, SS304, SS316, SS316L, SS904L

**Class:** 150 to 2500; PN10 to PN450

**Size:** DN 10 to DN 1200

**Ends:** Buttweld, Flanged, Socketweld, Threaded

**Operations:** Hand-wheel operated, Pneumatic actuated, Electric actuated, Gear operated

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<https://www.uaevalves.com/product-category/forged-steel-globe-valve/>

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