

Needle Valve Supplier in Australia

Australian Valve is a top [Needle Valve supplier in Australia](#). We supply to cities like Canberra, Sydney and Melbourne. A needle valve is a type of control valve that regulates fluid flow by means of a small needle-shaped plunger that fits into a tapered seat. The flow of fluid is regulated by the rotation of the needle, which moves the plunger into or out of the seat. This creates a restriction in the flow of fluid and adjusts the flow rate to the desired level. Needle valves are commonly used in applications where precise control of flow is required, such as in gas or liquid systems

Needle valves can be made of materials such as brass, stainless steel, or other corrosion-resistant materials, depending on the application requirements. They are widely used in industrial, chemical, and medical applications. The design of needle valves makes them suitable for use in high-pressure, high-temperature, and corrosive environments. The main components of a needle valve are the body, seat, plunger, and handle or stem.

Australian Valve is the leading [Needle Valve supplier in Australia](#). We manufacture and supply in different sizes, colors and materials. Our valves are made from the topmost quality materials and are durable.

·Parts

- Body
- Seat
- Plunger
- Handle or Stem
- Packing
- Bonnet
- Inlet and Outlet Connections
- Gland
- Handle or Knob

·Types

Types of Needle Valves:

- Motorized Needle Valve- use electric or pneumatic actuator for operation
- Angle Needle Valve- turn the output by 90degrees instead of in-line

·Advantages

- Needle valves provide precise control of fluid flow, making them ideal for applications where flow rate needs to be precisely controlled.

- They are made of durable materials, such as brass, stainless steel, and other corrosion-resistant materials, making them suitable for use in harsh and corrosive environments.
- These valves are designed for use in high-pressure applications and can handle high-pressure systems without fail.
- Needle valves are designed to be low-maintenance and have simple, straightforward designs that minimize the need for maintenance or repairs.
- They are a cost-effective solution for applications that require precise flow control, as they are typically less expensive than other types of control valves.
- These valves are easy to operate and do not require specialized skills or training to use.
- Needle valves are used in a wide range of applications, including industrial, chemical, and medical applications, making them a versatile solution for many different types of systems.

·Industries

- Oil and Gas Industry
- Chemical Processing Industry
- Industrial Plants
- Power Generation Plants
- Aerospace Industry
- Iron and Steel Production Industry
- Water Treatment Plants
- Power Plants

·Applications

1. Chemical processing
2. Steam applications
3. Refining and petrochemical industries

Description:

Available Materials: SS316, SS304, CF8, CF8M, F55, F53, F51

Class: 150 to 2500

Nominal Pressure: PN10 to PN450

Size: 1/2" to 2"

Ends: Threaded, Socket weld, Butt weld

Operations: Hand wheel operated

Visit our website- <https://www.australianvalve.com/product-category/needle-valve/>