

Weight Chart for Valve Fittings

Introduction

Mcneil Instruments is a leading name in the manufacturing and supply of high-quality [valve fittings](#) that cater to diverse industrial applications. With a focus on precision engineering and stringent quality standards, we have built a reputation for delivering durable and efficient solutions. Our valve fittings are designed to handle high-pressure and high-temperature conditions, ensuring reliable performance in demanding environments.

At Mcneil, we understand the critical role of valves in maintaining fluid control, safety, and operational efficiency. Whether it's for oil and gas, petrochemical, or industrial processes, our range of valve fittings ensures compatibility, durability, and exceptional performance. Below, you'll find detailed weight charts and specifications for each product, making it easier to choose the right fit for your requirements.

Our product line includes **manifold valves**, **needle valves**, **ball valves**, and more, all crafted with the highest standards of precision and reliability. With Mcneil, you not only receive superior products but also access to technical expertise and customer support that sets us apart.

Weight Chart for Valve Fittings

- **[Manifold Valve](#)**: Manifold valves are versatile fittings used to connect multiple valves to a single pressure line, reducing installation time and ensuring efficient fluid control.

Valve Type	Connection Size	Material	Weight (kg/unit)
2-Way Manifold	1/2" NPT	Stainless Steel	2.5
3-Way Manifold	1/2" NPT	Stainless Steel	3.0
5-Way Manifold	1/2" NPT	Stainless Steel	4.5

- **Needle Valve:** Needle valves offer precise flow control, making them ideal for applications requiring fine adjustments in pressure and fluid flow.

Valve Type	Connection Size	Material	Weight (kg/unit)
Standard Needle	1/4" NPT	Brass	0.8
High-Pressure	1/2" NPT	Stainless Steel	1.2
Mini Needle	1/8" NPT	Carbon Steel	0.5

- **Ball Valve:** Ball valves ensure quick shut-off and reliable sealing, making them suitable for high-pressure and high-temperature applications.

Valve Type	Connection Size	Material	Weight (kg/unit)
1-Piece Ball	1/4" NPT	Stainless Steel	1.5
2-Piece Ball	1/2" NPT	Brass	2.0
3-Piece Ball	1" NPT	Carbon Steel	4.0

- **Check Valve:** Check valves allow unidirectional fluid flow, preventing backflow and ensuring system safety and efficiency.

Valve Type	Connection Size	Material	Weight (kg/unit)
Inline Check	1/2" NPT	Stainless Steel	0.9
Wafer Check	3/4" NPT	Brass	1.2
Swing Check	1" NPT	Carbon Steel	3.5

- **Globe Instrumentation Valve:** Globe valves are used to regulate fluid flow in a pipeline, offering excellent throttling capabilities.

Valve Type	Connection Size	Material	Weight (kg/unit)
Standard Globe	1/2" NPT	Stainless Steel	3.2
High-Pressure	3/4" NPT	Brass	4.5

- **Gate Instrumentation Valve:** Gate valves are ideal for on-off control in pipelines, ensuring minimal fluid resistance when fully open.

Valve Type	Connection Size	Material	Weight (kg/unit)
Rising Stem	1" NPT	Stainless Steel	5.0
Non-Rising Stem	1/2" NPT	Carbon Steel	4.2

- **Block Bleed Valve:** Block bleed valves are used to isolate pressure gauges, transmitters, or switches during maintenance.

Valve Type	Connection Size	Material	Weight (kg/unit)
Double Block	1/2" NPT	Stainless Steel	2.8
Single Block	1/4" NPT	Brass	1.8

- **Gauge Cock Valve:** Gauge cock valves provide a simple mechanism to control the flow of fluids in and out of a gauge.

Valve Type	Connection Size	Material	Weight (kg/unit)
Standard Cock	1/4" NPT	Stainless Steel	0.7
Mini Cock	1/8" NPT	Brass	0.5

Conclusion

Mcneil Instruments stands out for its premium range of **valve fittings**, engineered to meet the most demanding industrial standards. Our weight charts provide detailed insights into the material specifications, sizes, and weights, allowing you to make informed decisions tailored to your project requirements.

Valve fittings play a crucial role in maintaining the safety, efficiency, and performance of industrial systems. By choosing Mcneil Instruments, you benefit from unparalleled quality, durability, and reliability. Contact us today for customized solutions that cater to your specific needs!

Why Valve Fittings Weight Charts Are Important

Weight charts for **valve fittings** play a crucial role in ensuring smooth operations and decision-making in various industries. Here's why they are important:

1. **Accurate Planning:** Helps in designing pipelines and systems by knowing the exact weight of each fitting.
2. **Cost Management:** Provides clarity on material costs and transportation expenses.
3. **Structural Safety:** Ensures that the fittings meet load-bearing and operational requirements.
4. **Easy Comparisons:** Allows quick evaluation between different types of fittings to select the most suitable one.

By referencing weight charts, industries can achieve better efficiency, cost savings, and safety in their operations.