Weight Chart for Instrument Accessories

Introduction

Mcneil Instrument has earned its reputation as a leader in the manufacturing and supply of high-quality **instrument accessories** for industrial applications. With a focus on precision engineering, durability, and compliance with international standards, we provide solutions that ensure the seamless operation of your systems. Our range of instrument accessories is designed to meet the requirements of various industries, providing reliable performance even in the most demanding environments.

At Mcneil, we prioritize delivering exceptional quality while ensuring that our clients have access to detailed product specifications, including accurate **weight charts**. These charts play a critical role in enabling better planning, cost management, and operational efficiency. From **Condensate Pots** to **Pipe Clamps** and **Thermowells**, every product is crafted with meticulous attention to detail to meet your needs.

Weight charts are more than just numbers—they're a crucial tool for engineers, designers, and procurement teams to make informed decisions. Below, you'll find a comprehensive explanation of each product category, along with detailed weight charts to simplify your selection process.

Weight Chart for Instrument Accessories

1. Condensate Pot: Condensate Pots are used in process piping systems to collect and retain condensates, preventing damage to instruments and ensuring measurement accuracy. Available in 2-port, 3-port, and 4-port configurations.

Type	Size (Inches)	Material	Weight (kg)
2-Port	1" x 6"	Stainless Steel	1.8
3-Port	2" x 6"	Carbon Steel	2.5
4-Port	2" x 12"	Alloy Steel	4.2

2. Air Header: Air Headers distribute air or gas from a single source to multiple outputs, ensuring efficient operation. Available in multiple configurations, including 4-way, 6-way, and pressure air headers.

Type of Air Header	Material	Dimensions (in mm)	Weight (kg)	Pressure Rating (PSI)
4-Way Air Header	Stainless Steel	300 x 50 x 50	1.8	6000
6-Way Air Header	Stainless Steel	400 x 50 x 50	2.2	6000
8-Way Air Header	Stainless Steel	500 x 60 x 60	2.8	6000
10-Way Air Header	Stainless Steel	600 x 60 x 60	3.5	6000
12-Way Air Header	Stainless Steel	700 x 70 x 70	4.2	6000
14-Way Air Header	Stainless Steel	800 x 70 x 70	5.0	6000
16-Way Air Header	Stainless Steel	900 x 80 x 80	5.8	6000
Air Header Distributor	Carbon Steel	300 x 50 x 50	2.0	4500
Pressure Air Header	Stainless Steel	Custom Dimensions	Varies	6000

3. Pipe Clamps: Pipe Clamps secure piping systems, minimizing vibrations and ensuring proper alignment. Available in various types, including saddle clamps, hose clamps, and beam clamps.

Type of Pipe Clamp	Material	Pipe Size (in mm)	Weight (kg)	Application
Saddle Clamps	Stainless Steel	15 - 200	0.8 - 4.5	Structural Pipe Support
Hose Clamps	Galvanized Steel	10 - 150	0.3 - 2.5	Flexible Hose Connection
Tube Clamps	Carbon Steel	10 - 100	0.5 - 3.0	Tube Assembly Applications
Cushion Clamps	Stainless Steel/Rubber	15 - 150	0.6 - 2.8	Vibration Reduction
Beam Clamps	Carbon Steel	25 - 250	1.0 - 5.0	Beam Mounting
Split Ring Clamps	Stainless Steel	20 - 250	0.8 - 4.0	Pipe Support & Suspension
Swivel Clamps	Carbon Steel	25 - 200	1.2 - 3.8	Rotational Pipe Alignment
Conduit Clamps	Galvanized Steel	20 - 150	0.4 - 2.0	Electrical Conduit Support
Quick Release Clamps	Stainless Steel	10 - 120	0.5 - 2.5	Rapid Assembly

Strut Clamps	Carbon Steel	15 - 200	0.7 - 3.5	Channel Support
T-Bolt Clamps	Stainless Steel	20 - 150	0.5 - 2.8	High Torque Connections
Pipe Hangers	Stainless Steel	Custom Sizes	Varies	Pipe Suspension Systems

4. Syphon Tube/Pipe: Syphon Tubes protect pressure instruments by isolating them from high-temperature fluids.

Length (mm)	Material	Weight (kg)
150	Stainless Steel	0.9
300	Carbon Steel	1.5
600	Alloy Steel	2.8

5. Copper Tube: Copper Tubes are widely used for heat exchange applications, offering superior thermal conductivity and durability.

Diameter (mm)	Wall Thickness (mm)	Weight (kg/m)
10	1.0	0.89
20	2.0	1.98
30	3.0	3.05

6. Snubber: Snubbers are designed to dampen pressure fluctuations, ensuring accurate readings and protecting instruments from sudden pressure spikes.

Size (Inches)	Material	Weight (kg)
1/4"	Stainless Steel	0.2
1/2"	Carbon Steel	0.4
1"	Brass	0.6

7. Thermowell: Thermowells are used to protect temperature sensors from harsh process conditions, ensuring accurate measurements.

Length (mm)	Material	Weight (kg)
100	Stainless Steel	0.5
200	Carbon Steel	1.0
300	Alloy Steel	1.5

8. Quick Release Coupling: Quick Release Couplings enable quick connection and disconnection of fluid lines, ensuring minimal downtime.

Size (Inches)	Material	Weight (kg)
1/2"	Stainless Steel	0.3
3/4"	Carbon Steel	0.5
1"	Brass	0.8

9. Flushing Ring: Flushing Rings are used to clean diaphragm seals, ensuring optimal instrument performance.

Size (Inches)	Material	Weight (kg)
1"	Stainless Steel	1.0
2"	Carbon Steel	2.0
3"	Alloy Steel	3.0

Conclusion

At Mcneil Instruments, every product is manufactured with precision and care to meet the dynamic needs of modern industries. Our **weight charts** not only provide transparency but also help clients make informed decisions for their projects. From **Condensate Pots** to **Flushing Rings**, each accessory is a testament to our commitment to quality and excellence.

Why Weight Charts Are Important:

1. **Accurate Planning**: Simplifies system design by providing precise weight details.
2. **Cost Estimation**: Helps calculate logistics and installation costs effectively.
3. **Operational Safety**: Ensures structural integrity by verifying weight compliance.
4. **Streamlined Procurement**: Facilitates easy comparison of product options.

With Mcneil Instruments, you get more than just products; you gain a trusted partner dedicated to ensuring your industrial systems operate at peak efficiency.