

Conical Orifice Plate

Introduction

Arrotop is a leading provider of precision-engineered flow measurement solutions. Our conical orifice plates are specifically designed to offer accurate and reliable flow measurement for a wide range of industrial applications. These plates are constructed to the highest standards of quality and performance, ensuring efficient operation and long-term reliability.

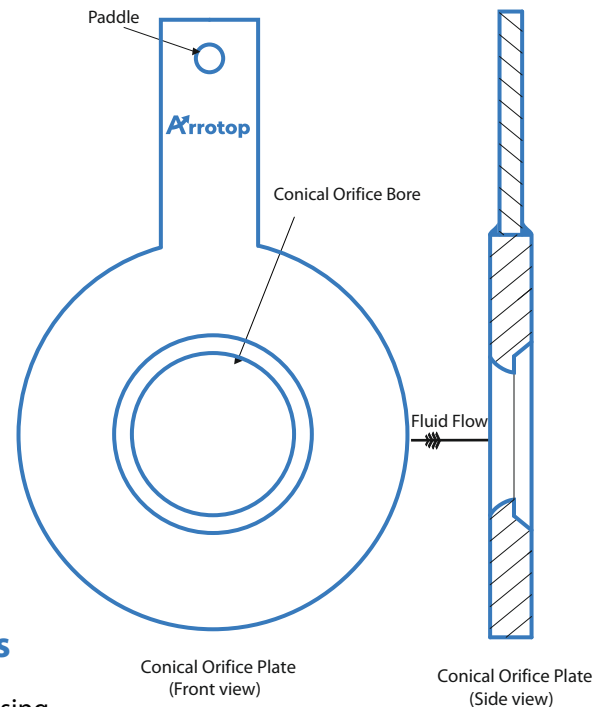
Product Overview



The **Arrotop Conical Orifice Plate (Model: ARO-COP-006)** is tailored for applications requiring precise flow measurement at very low Reynolds numbers. The conical inlet section, combined with a parallel exit section, reduces the variance in discharge coefficient, particularly at Reynolds numbers between 80 and 2000. This orifice plate is effective for viscous services and offers improved accuracy over traditional square-edged orifice plates in similar conditions. Designed to handle a range of fluids, including gases and steam, the ARO-COP-006 ensures reliable performance in diverse industrial applications.

Technical Specifications

Model Number	ARO-COP-006
Material	SS 304/L, 316/L, Duplex, Super Duplex, Hastelloy, Carbon Steel, Monel, Inconel, PP, PVC, PTFE-coated, Stellite-coated (special alloys on request)
Sizes	Up to 24"
Beta Ratio	0.2 to 0.75
Thickness	3.18 mm, 6.35 mm, 9.52 mm, 12.7 mm (other on request)
Standards	ISO 5167, ASME B16.36, BS 1042, API 2530, AGA Report 3
Fluid Types	High viscosity and Low viscosity clean fluids
Accuracy	Within 2% of the maximum flow rate
Repeatability	± 0.1% of the indicated flow rate
Tapping Methods	Corner Taps



Advantages

- ➡ Minimized Downtime
- ➡ Enhanced Safety
- ➡ Cost-Effective
- ➡ Versatility
- ➡ Compliance
- ➡ Long Service Life

Applications

- ➡ Chemical Processing
- ➡ Oil and Gas
- ➡ Power Generation
- ➡ Water Treatment
- ➡ Food And Beverage
- ➡ HVAC Systems

Sizes and Dimensions

DN (Nominal Diameter)	Orifice Diameter (mm)	Plate Thickness (mm)
DN15 (0.5")	15	3.18
DN25 (1")	25	3.18
DN50 (2")	50	6.35
DN100 (4")	100	6.35
Dn150 (6")	150	9.52
DN200 (8")	200	9.52
DN300 (12")	300	12.7
DN400 (16")	400	12.7
DN600 (24")	600	12.7



Additional Features

Customization : Available in various materials and sizes to meet specific application requirements.

Accessories : Gaskets, bolts, and nuts available upon request.

Compliance : Meets international standards ensuring reliable and accurate performance.

Installation Support : Technical support available for installation and maintenance.

Calibration Services : Optional calibration services to ensure precise measurements.

Documentation : Comprehensive documentation provided for installation, operation, and maintenance.

Conclusion

With a commitment to quality and innovation, **Arrotop** continues to deliver superior flow measurement solutions through its **Conical Orifice Plates (Model: ARO-CP-006)**. Designed to meet diverse industrial needs, these plates offer precise flow measurement, versatility in application, and robust construction for long-lasting performance.

Trust **Arrotop** for reliable, efficient, and high-quality solutions in your flow measurement systems.

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