

# Peterson Instruments

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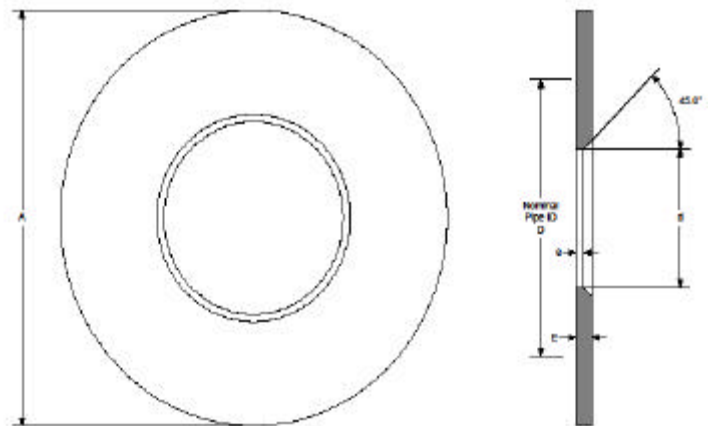
## New Product: Orifice Plates

Ancient Egyptians used weirs and flumes to measure irrigation water going to their peoples' fields and since that time head flow measurement has been worked, reworked and perfected. Bernoulli established his principle showing the relationship between pressure head and velocity head relating to venturis in the 18th century. In 1903 Weymouth worked on conventional orifice plates for gas flow measurement. Since then orifice plates and head flow measurement have been an industry standard.

With hundreds of thousands of installations in service throughout the world it is a flow element that has proven to be the standard. This is because it is simple, cost effective and easy to maintain.

Peterson Instruments is proud to introduce our line of Universal Orifice Plates for single and dual chamber orifice fittings. Our orifice plates are precision milled of 316sst. They are machined and polished to tolerances that meet or exceed that of the most recent **AGA** (American Gas Apparatus) and **API** (American Petroleum Institute) standards.

Plates available in a variety of pipe sizes and bores each one is precision marked with manufacturer, pipe, bore and heat#. Private labeling is available. Plate seals in Teflon®, Nitrile® and Viton® are also stocked for Senior, Junior, Simplex fittings.



Universal Cat 500 Orifice Plates

Pipe Size	Dim A	Plate Thickness E	List Price— all bores (reseller and 'full set' discounts available)
2"	2.437"	1/8"	\$19.42
3"	3.437"	1/8"	\$23.49
4"	4.406"	1/8"	\$29.26
6"	6.437"	1/8"	\$56.95

Prices Subject to change without notice. Jan 2009