American Thermowell

www.americanthermowell.com

BUILT ON A TRADITION OF EXCEEDING QUALITY AT EVERY STEP.

Revised (10/14/2022)

Custom Orifice Plate

Our custom orifice plates are designed and manufactured 100% in house

We design and manufacture a variety of custom orifice plates from bore & bevel to bore & counterbore, segmental, eccentric and quadrant (quarter round).

Our bore & bevel orifice plates are machined at 45° angle to the desired edge thickness and typically beveled to 1/50 of the line I.D. or 1/8 of the orifice bore. In the bore & counterbore orifice plates we use a special method to limit the plate edge thickness.

Our segmental and eccentric bore orifice plates have offset bores to operate in conditions with gas or liquid steam entrained with solids. Quadrant bores are designed for fluids of high viscosity, such as heavy crudes, syrups and slurries.

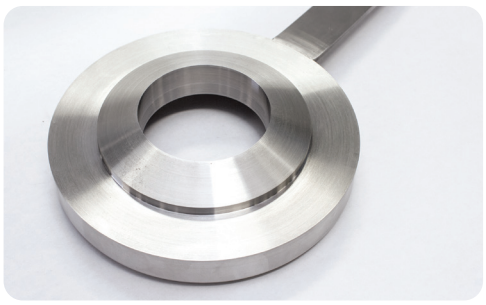
Features & Benefits:

- Custom bores and finishes available
- Custom engineered orifice plates
- Orifice plates available with a maximum line size of 48"
- 1/16" to 5" plate thickness available
- All American Thermowell orifice plates are inspected and stamped before being released from production.

Paddle plate with custom finish

Bore Styles:

- Beveled
- Restriction
- Quadrant
- Segmental
- Eccentric

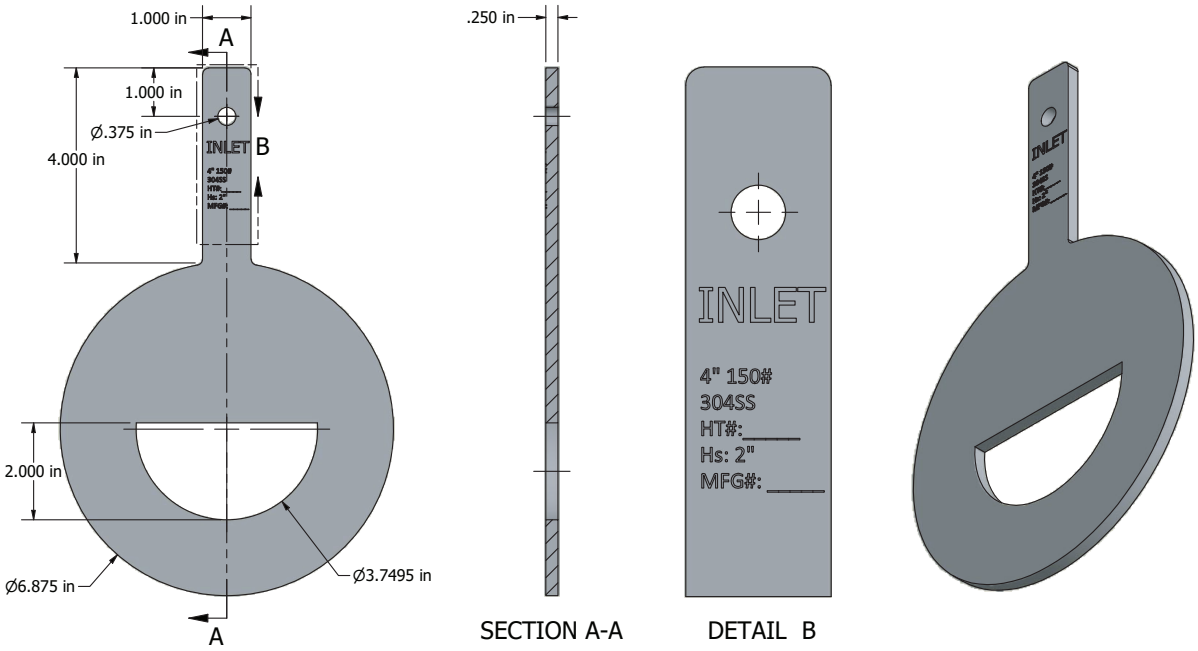


4861 Paula Road, Kountze, Texas 77625 | 1-409-246-1111 | sales@americanthermowell.com | www.americanthermowell.com

Built on a tradition of exceeding quality at every step

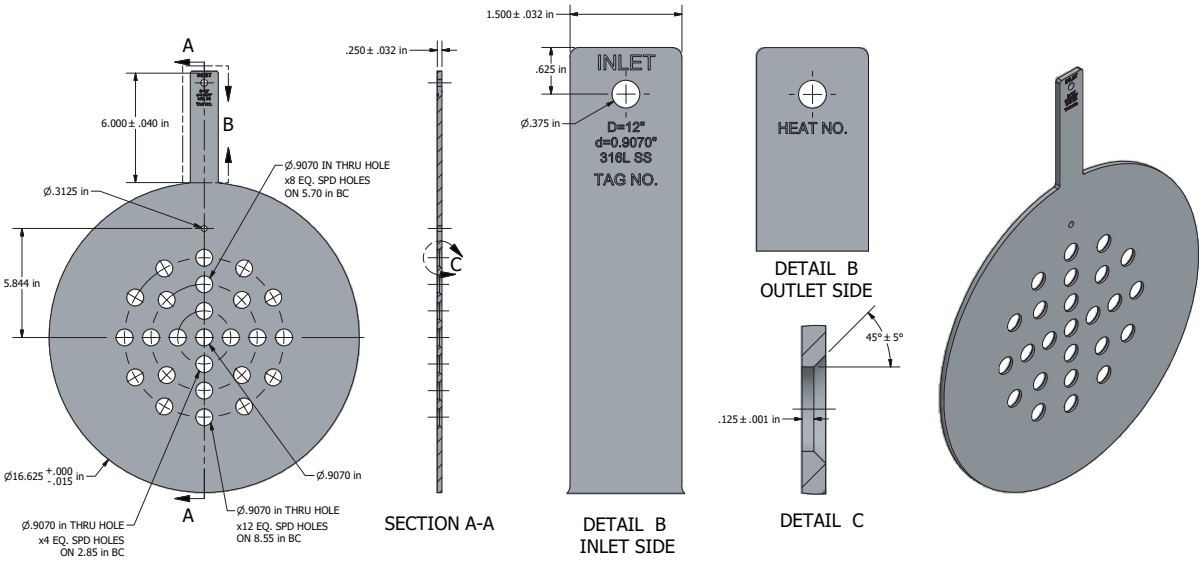
CUSTOM ORIFICE PLATES

Custom Orifice Plate - Segmental Bore



SECTION A-A DETAIL B

Custom Orifice Plate - Custom Multi-Bore



SECTION A-A DETAIL B INLET SIDE DETAIL C

American Thermowell

Specializing in instrumentation and process control hardware.

✓ Thermowells ✓ Bleed & Flush Rings
✓ Orifice Plates ✓ Valves

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