



American Thermowell



www.americanthermowell.com

BUILT ON A TRADITION OF EXCEEDING QUALITY AT EVERY STEP.

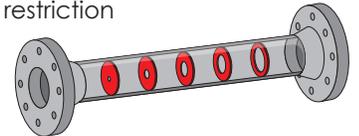
Revised (09/22/2022)

Multi-Stage Restriction Orifice

Designed to reduce the pressure or flow in a process

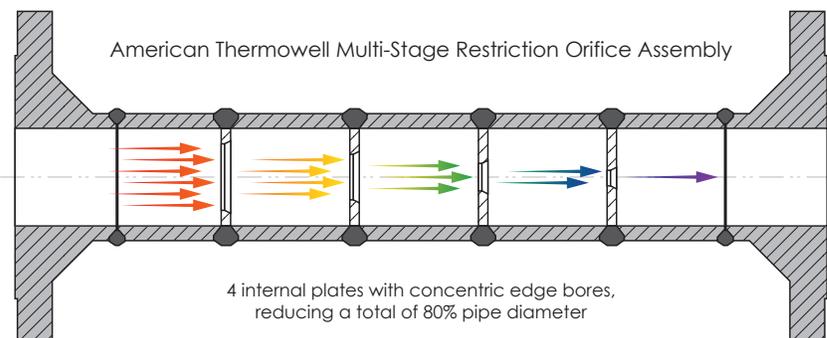
American Thermowell multi-stage restriction orifice is the perfect solution when the required pressure or flow drop is not possible with a single plate.

Made up of multiple orifice plates, each reducing pressure with calculated reduction steps to achieve the required drop in the pressure and/or flow. A restriction orifice run can also greatly reduce noise and vibrations, as well as flashing or cavitation in the line. Our multi-stage restriction orifice assembly can replace a valve for a simple, maintenance free and economical solution.



Design Advantages:

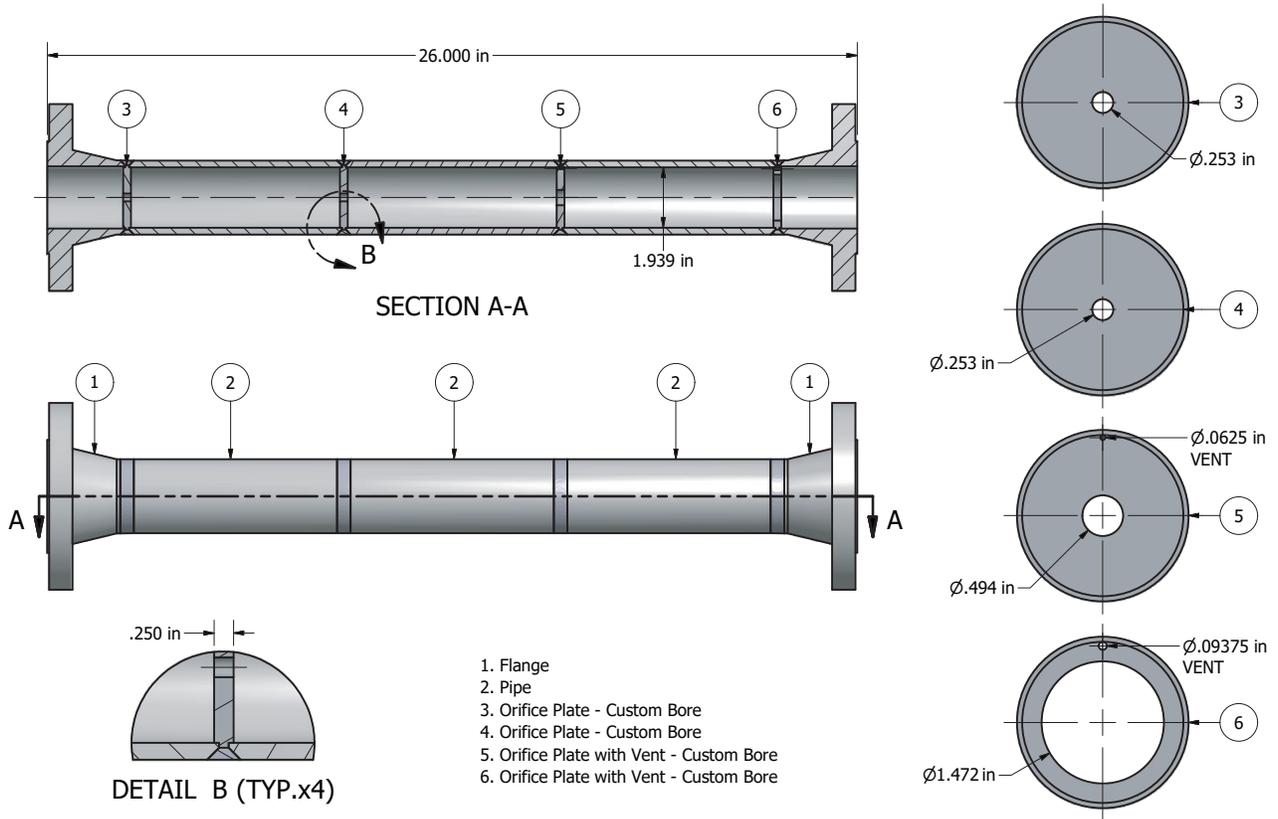
- Reduce the pressure drop, not achievable with a single plate.
- Prevents flashing, cavitation and other critical flow problems.
- Single hole multistage design along with multi-hole, multi-stage designs available.
- Line sizes: 1/2" - 24". Flange Rating: 150# - 2500#
- Built to optimize the pressure drop across each stage
- Suitable for both high flow/pressure liquids and gas
- Designed based on ASME.MFC.3M industry standards
- Low maintenance costs





Built on a tradition of exceeding quality at every step

MULTI-STAGE RESTRICTION ORIFICE



- Suitable for high flow and high pressure drops for gas and liquids
- Reduced noise levels with multi-hole plate designs
- Prevent critical flow issues, flashing and cavitation
- Compact design when compared to control valves
- No moving parts, which greatly reduce maintenance costs
- Designed within ASME standards
- Low cost solution when compared to control valves

Applications:

- Pressure controlling
- Flow controlling
- Reduce sonic flow
- Reduce cavitation
- Reduce noise



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Specializing in instrumentation and process control hardware.

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

