

The promise of precision, every time.



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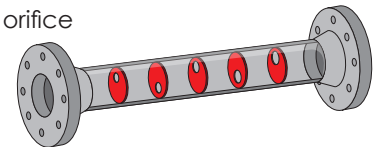
Revised (02/02/2023)

Multi-Stage Restriction Orifice

Designed to reduce the pressure in a process

Mac-Weld multi-stage restriction orifice is the perfect solution when the required pressure 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. 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 reduce pressure 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 gases
- Bore sizing based on ASME.MFC.3M, ISO 5167 or AGA-3
- Low maintenance costs

