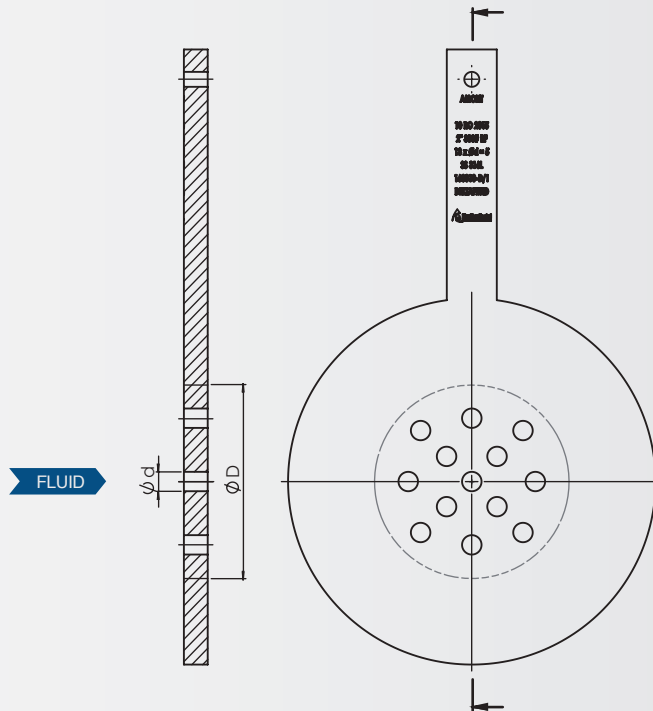


MULTI-ORIFICE RESTRICTION ORIFICE

Suitable to reduce noise when passing through the orifice

GENERAL DATA

- Design based on ISO 5167, ASME MFC-3M or R.W. Miller standards
- Design according to Idel'cik for holes with rounded or bevelled edges possible on request
- Flange mounting⁽¹⁾:
 - o ISO PN 2.5 to PN 420
 - o ASME 150# to 2500#
 - o Others: upon request
- Material:
 - o Standard: stainless steel 304L / 316L
 - o Others⁽¹⁾: according to your application
- Fluid: liquid, gas, steam
- For all pipe sizes



Optional: stellite coating⁽¹⁾

TECHNICAL DESCRIPTION

Orifices	Sized according to the fluid, pressure drop and flow rate passing through the restriction.
Plate thickness	Calculation based on the pressure drop created by the plate and the piping inside diameter to prevent plate deformation during operation.
Noise	The number of orifices is determined according to the noise level not to be exceeded. The maximum noise level depends on the operating conditions: limited to 85 dB(A) by the regulatory framework for average daily exposure in continuous operation. Intermittent or emergency operation - higher values acceptable (see corresponding regulations). If the noise level is still too high, it is possible to switch to a multi-stage restriction orifice.
Cavitation ⁽²⁾	The level of cavitation is checked for each plate and the orifices are calculated in order to avoid cavitation.
Critical flow ou Choked flow ⁽²⁾	Orifices are calculated at critical flow limit to generate a maximum pressure drop.

⁽¹⁾ For more details, see «Technical information» section on page 54.

⁽²⁾ For more details, see page 36.