

VENTURI DESUPERHEATER

Venturi desuperheaters reduce gas temperature by bringing superheated gas into direct contact with a liquid.



QUALITY CAN BE MEASURED

den holder 

VENTURI DESUPERHEATER

Venturi desuperheaters reduce gas temperature by bringing superheated gas into direct contact with a liquid, typically this can be a steam/water combination. The gas is cooled through the evaporation of the liquid. These desuperheaters are recommended for use under a wide range of conditions, including steady and variable flows.

FEATURES:

- Pressure drop is minimized but can be adjusted on customer request.
- Fit for purpose design.
- Installation in horizontally or vertically up pipe runs.
- Typical gas flow turn down ratio 5:1 with liquid into gas injection rate up to 25%.
- Selection of nozzle material and surface treatment to have low operational cost and low maintenance.
- Nozzle designed for atomization of liquid for rapid and efficient evaporation.

SPECIFICATIONS

MATERIAL - BODY - Forged material SA105, SA182 F11/F22*

MATERIAL - NOZZLE - SA182 F316(L)*

PIPE CONNECTION - Flanged or Butt weld end

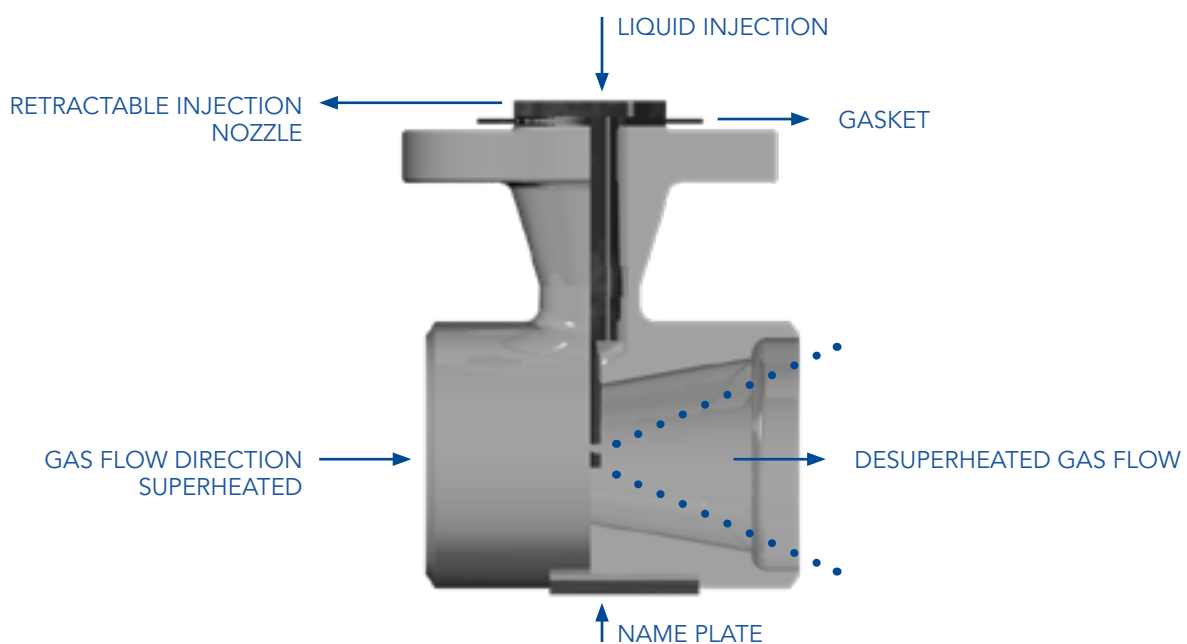
TEMPERATURES - Up to 600°C (based upon selected material)

PRESSURE - Available in ASME and EN Pressure Classes
Diameters upon request

CODES - ASME 31.1, ASME 31.3, ASME B16.34, PED**

* Other materials on request (i.e. austenitic, special alloy)

** EN equivalent available



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