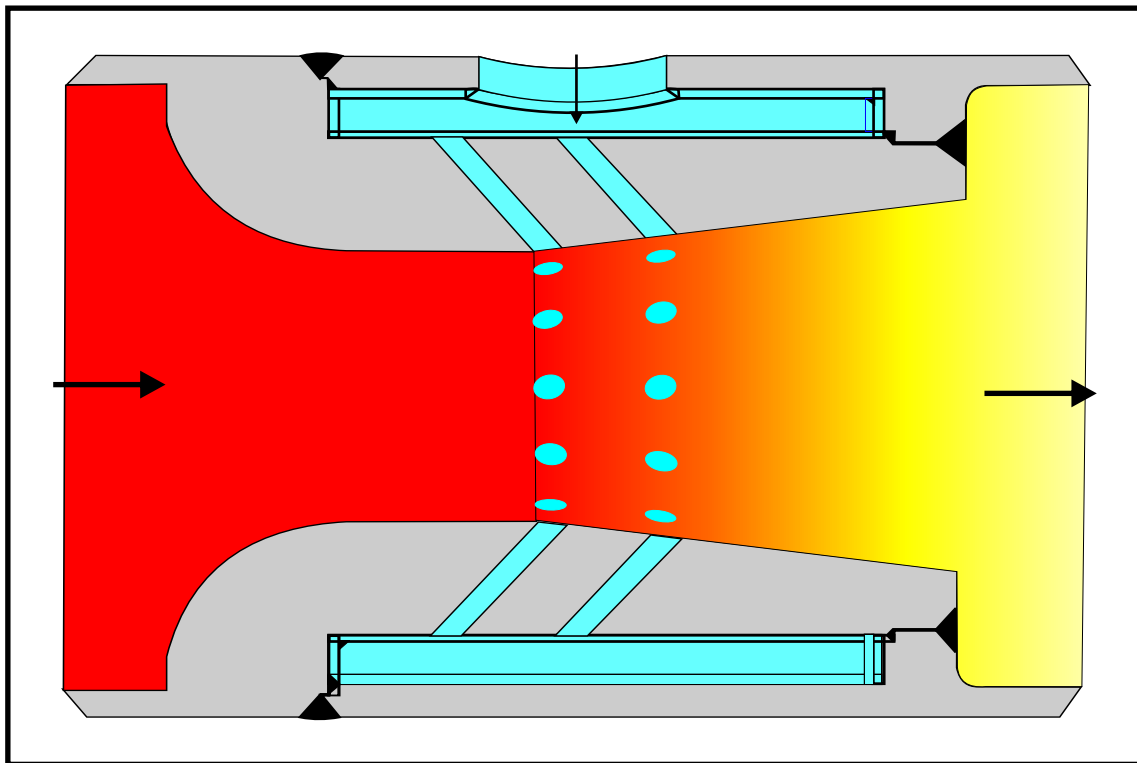


Desuperheaters



BOMAF[®]
Special Valve Solutions



Full Venturi Desuperheater MODEL NO: FV

Applications

Vapour is quite often throttled and superheated for its efficient distribution. To maximize its heat transfer properties its Vapour temperature needs to be brought down as close to saturation as possible. Bomafa Desuperheaters are designed, manufactured and built to reduce the temperature of the superheated Vapour accurately for optimal heat transfer and efficiency.

Benefits

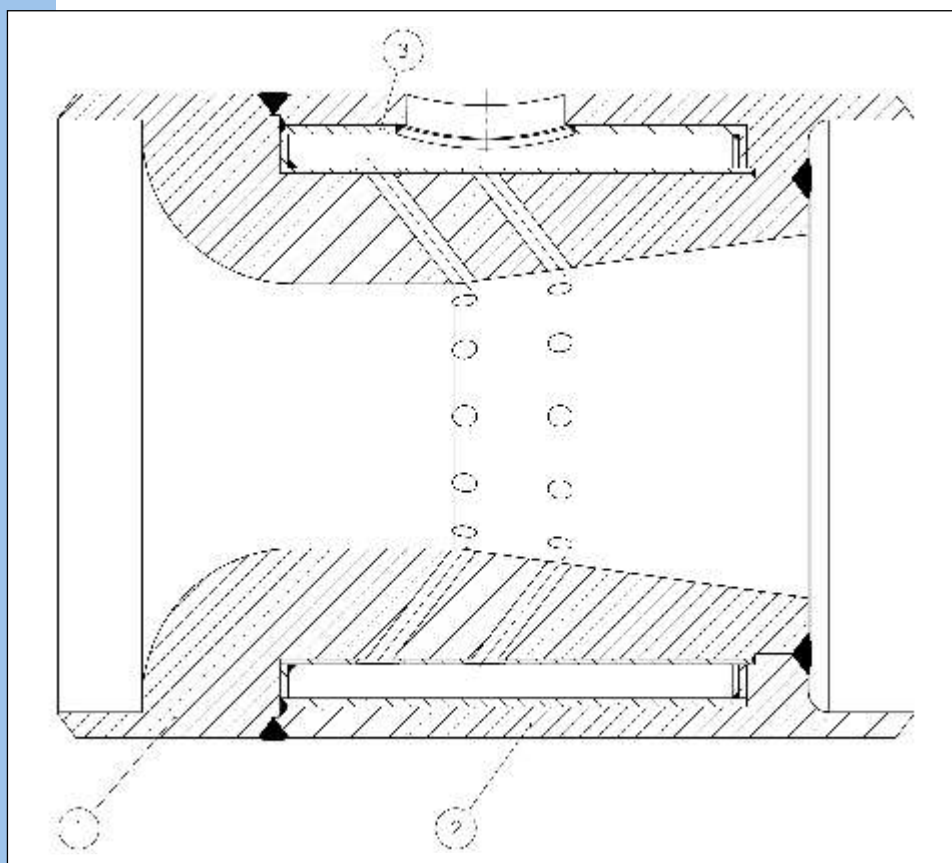
- Detailed vapour system knowledge is applied for design and Sizing
- Improved heat transfer
- Continuous process performance

Key Highlights

- Unit is ideally suited when high pressure coolant is unavailable.
- Required coolant pressure can be about 1 kg/cm²(g) over the vapour pressure
- Would perform even if the coolant pressure is same as the vapour operating pressure.
- In this configuration, the coolant is piped right into the Venturi Nozzle which does all the work of atomizing the coolant.
- Absolutely no moving parts
- The unit has a converging, stabilizing and a diverging configuration.
- Can be installed in vertical and horizontal direction
- Rangeability : 12:1 as standard
- Creates very high velocity and turbulence which assists in instantaneous evaporation of the injected coolant droplets.
- Deployed where atomizing vapour is not available.
- Operates successfully at quite low velocities of the vapour flow.
- Consists of a full venturi design, which is normally made from forged steel material.
- No moving parts & no Pipe liners in the construction.
- Custom designed for small and medium sizes
- Flanged / Butt-weld end connections are available.

Bomafa is a leading global supplier of Severe Service valves and products that improves productivity and quality in Utility and Process Industries. For the closest location and contact, visit our

Website :
www.bomafa-india.com



Item No.	Description
1.	Full Venturi Desuperheater
2.	Desuperheater Housing
3.	Protection Sleeve / Cover

Notes:-

1.Material of Construction:

- a. Desuperheater Body : A 105, A 182 F11, A182 F22, A182 F91, A182 F92, SA 182 Gr F304L, LF2CL1
- b. Injection Coolant Pipe : SA 106 Gr. B, SA 335 P11, SA 335 P22, SA335 P91, SA 182 Gr F304L, LF2CL1

- 2.Dimensions can be engineered to fit existing piping/flange requirements
- 3.Sizes available from 4" onwards till 30". For higher sizes consult factory.
- 4.Different grades of material also available as an option.



An ISO:2008 / ISO 14001:2004 &
OHSAS 18001:2007
certified company

Contact us:

BOMAF A Special Valve Solutions Private Limited

Office:

A 606 / 607 Safal Solitaire, New YMCA Club, Besides Divya Bhaskar , S.G. Highway, Ahmedabad - 380 015.
Ph.: +91 79 40075613 / 40083825/26/27

Works:

Plot No. 285/2, Panchratna Estae, Nr . Ramol Bridge, Ahmedaba -382445 - India.
Ph. : +91 96876 64036 / 37 E-mail: info@bomafa-india.com