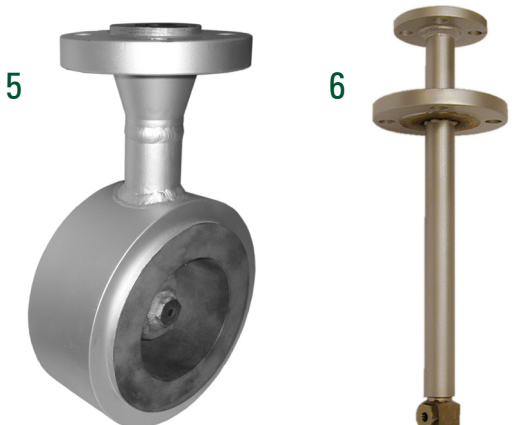
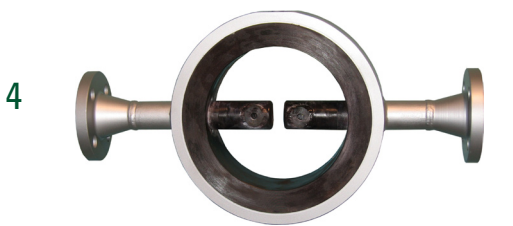


## Desuperheaters

Transvac has been designing and manufacturing Desuperheaters for the Power, Food, Chemical and Process Industries for over 35 years. Transvac direct contact Desuperheaters typically reduce superheated steam temperatures to within 3°C of the saturation temperature. To cool the superheated steam, a medium (usually water) is entrained and flashed into vapour by absorbing heat from the steam.



### Desuperheater Range

#### Venturi Desuperheater -1

- Constant or variable load handling duties
- Turndowns up to 10:1

#### Steam Atomising Desuperheater -2

- Variable load handling up to 50:1

#### Spray Type Desuperheaters Standard -3, Nozzle -6, Wafer (Single Nozzle -5, Multi Nozzle -4)

- Relatively constant load handling duties
- Turndowns up to 4:1

### Applications

- Turbine by-pass systems on Power Plants for Heat Exchangers, Dump Stations etc.
- Steam for indirect contact Heat Exchangers, Reactor Heating Jackets etc.
- Steam for direct contact heating - Food Kettles, Inline Steam Heaters, Tobacco Drying Plant and Paper Mills.

### Advantages

- Low cost
- No moving parts to wear
- Minimal steam pressure drop
- Flexible design options
- Simple to install

### Materials of Construction

- Carbon steel, Stainless steel, Chrome Molybdenum

### Design & Construction

Transvac proprietary, ASME VIII div 1, ASME B31.3, PD5500 etc. and are CE marked where applicable.

Transvac are accredited to BS EN ISO 9001:2000 and certified to module H of the PED.