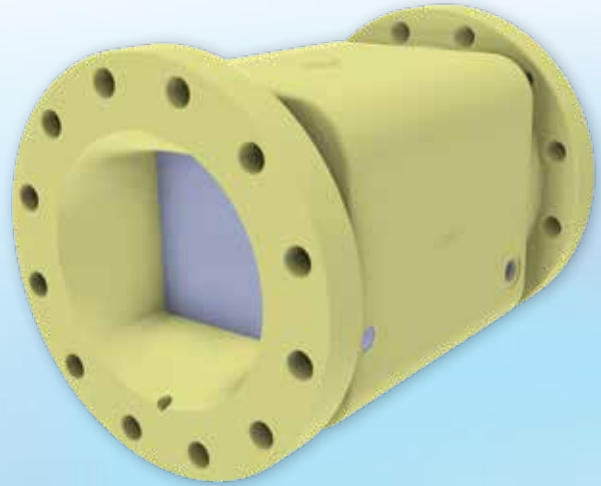


## *Finned heat exchangers cast in plastic for the utilization of waste heat from pressurized industrial processes*

In the industry there are huge potentials of waste heat in air-operated processes. However, the use of this potential usually fails due to the cost of ensuring tightness and the regulations of the Pressure Equipment Directive (DRGL) With this development, WätaS has succeeded in integrating a finned heat exchanger into an air-bearing, pressure-resistant component.

By using a special plastic casting process, WätaS has succeeded in producing a compact component that has standardized interfaces for easy assembly.



### Execution:

- Absolutely Gas-tight
- Pressure resistant up to 20 bar (other pressure levels possible)
- Temperature resistant up to 80 °C
- Easy to clean - floodable at any time
- Production in accordance with the Pressure Equipment Directive (DRGL)
- Flanges to DIN - different sizes in preparation
- Condensate drain

### Unique selling features:

- increase in efficiency by 30 %
- Insulated through the plastic cast
- Compact device with reduced installation dimensions
- Weight reduction of 35 % compared to similar devices
- Due to variations in the material selection of the finned heat exchanger, different performance varieties are possible
- Application gas/gas or fluid/gas possible

### Possible applications:

#### Compressors

- Dehumidification, use of waste heat, inclusion of free cooling, thermal influence of compressed air possible

#### Biogas plants

- Dehumidification of gases with free cooling, waste heat recovery, thermal treatment and the liquefaction of gases possible
- Possibility of saving 50 % electrical energy by saving on compression cooling