



## Precooler TS 10

In extractive gas analysis the sample gas must be conditioned before it enters the measuring cell of the analyser.

One of these conditioning stages is moisture precipitating in so-called sample gas coolers.

Applications where the moisture content of the sample gas is particularly high or the moisture content fluctuates greatly, installing a pre-cooler in the supply line to the actual sample gas cooler will increase reliability.

This pre-cooler consists of an appropriately dimensioned heat exchanger, which only uses the temperature gradient between the sample gas and ambient air, and a condensate pump.

The TS pre-cooler comes inside a protection cage, ready to install.

Low maintenance

Easy to install, compact size

Heat exchanger in stainless steel or stainless steel with glass coating

Built-in peristaltic pump



**Technical Data**

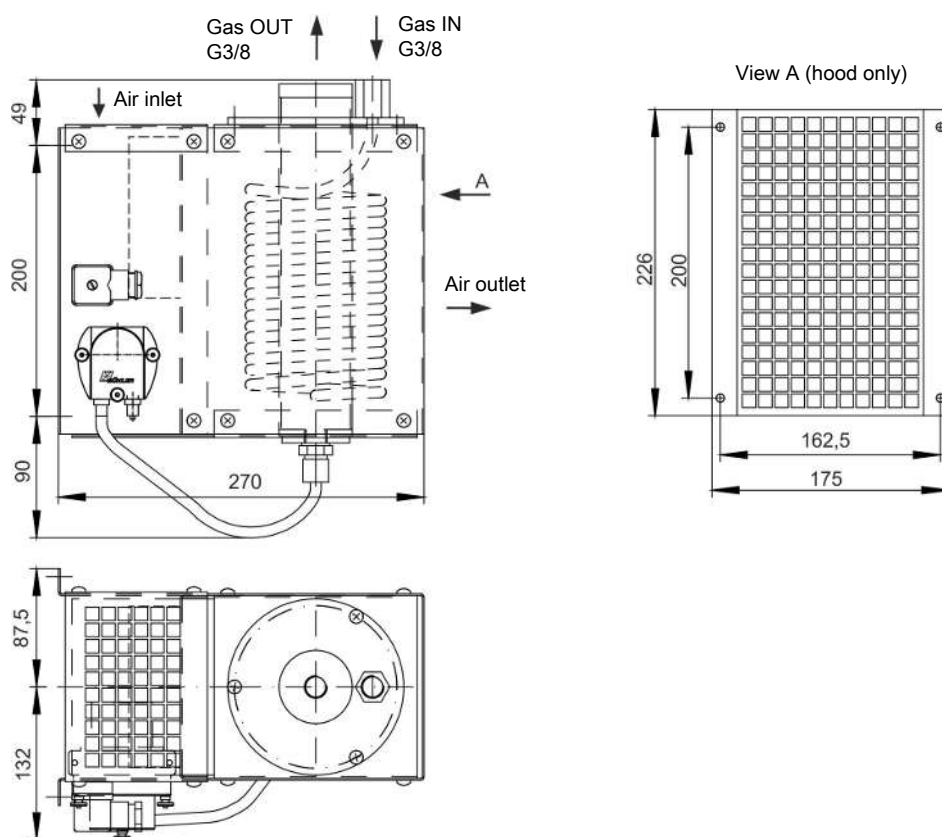
**TS 10 precooler Technical Data**

|                              |                              |
|------------------------------|------------------------------|
| Ambient temperature:         | 0 .. 60 °C                   |
| Electric supply:             | 115 V, 60 Hz or 230 V, 50 Hz |
| Power input:                 | 25 W                         |
| Type of protection electric: | IP 20                        |
| Housing:                     | Stainless steel              |
| Installation:                | wall-mounted                 |

**Heat exchanger**

|                                 |  |
|---------------------------------|--|
| Gas pressure P <sub>max</sub> : | 1 bar  |
| Max. gas inlet temperature:     | 180 °C   |
| Gas connections:                | G3/8   |
| Pump condensate connection:     | DN 4 (screw connection, metric) on 230 V<br>1/6" (screw connection, US) on 115 V |

**Dimensions (mm)**



**Ordering Instructions**

**Precooler**

| Item no.  | Description                                     |
|-----------|---|
| 45 00 999 | TS 10 precooler, 230 V, 50 Hz                   |
| 45 00 899 | TS 10 precooler, 115 V, 60 Hz                   |
| 45 00 799 | TS 10 GB precooler (glass coated), 230 V, 50 Hz |

**Spare parts**

| Item no.        | Description   |
|-----------------|---|
| 44 92 00 35 114 | Norprene replacement hose with one angled connection and one screw connection (metric) for peristaltic pump 1 L/h |
| 44 92 00 35 115 | Norprene replacement hose with one angled connection and one screw connection (US) for peristaltic pump 1 L/h     |