



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 precooler in the supply line to the actual sample gas cooler will increase reliability.

This precooler 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 precooler 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

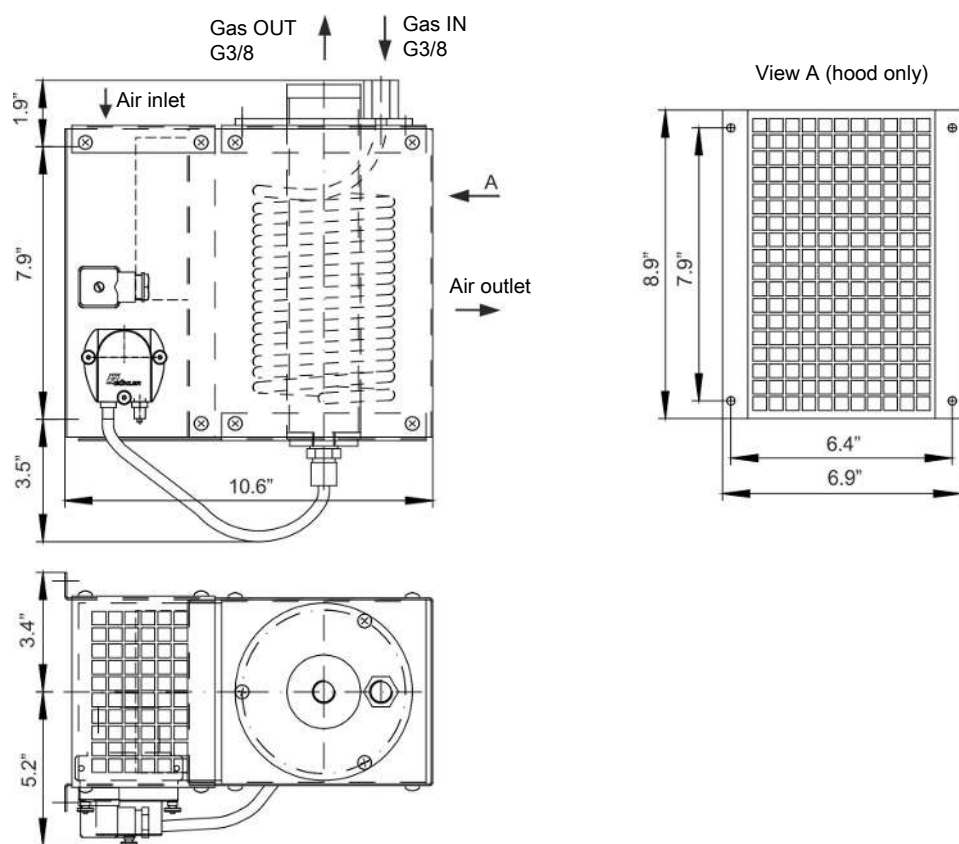
TS 10 precooler Technical Data

Ambient temperature:	32 .. 140 °F
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_{\max} :	14.5 psi
Max. gas inlet temperature:	356 °F
Gas connections:	G3/8
Pump condensate connection:	DN 4 (screw connection, metric) on 230 V 1/6" (screw connection, US) on 115 V

Dimensions (inch)



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 (0.016 lpm)
44 92 00 35 115	Norprene replacement hose with one angled connection and one screw connection (US) for peristaltic pump 1 L/h (0.016 lpm)