

Pre-Separator PS

Application

The pre-separator **PS** is designed specifically for gas analysis technology to relief sample gas coolers at high inlet temperatures up to 160°C and high water vapor inlet dew points above 65°C.

Technology

The pre-separator **PS** is made of corrosion resistant glass and equipped with PVDF hose fittings and a wall mounting bracket.

It is designed so that the wash out ratio of water soluble gas components is minimized and a safe condensate separation for flow rates up to 500NI/hr is guaranteed.

For condensate removal the condensate pump SR25 is used.

Functions

The performance of the sample gas cooler is affected favorably by the pre-separator **PS**. The sample gas is pre-cooled in the pre-separator by ambient air. Reaching the dew point, water vapor condenses along the dew point line as a result of cooling. Condensate is separated from the sample gas, is collected in the separator and then continuously drained by the connected condensate pump SR25.

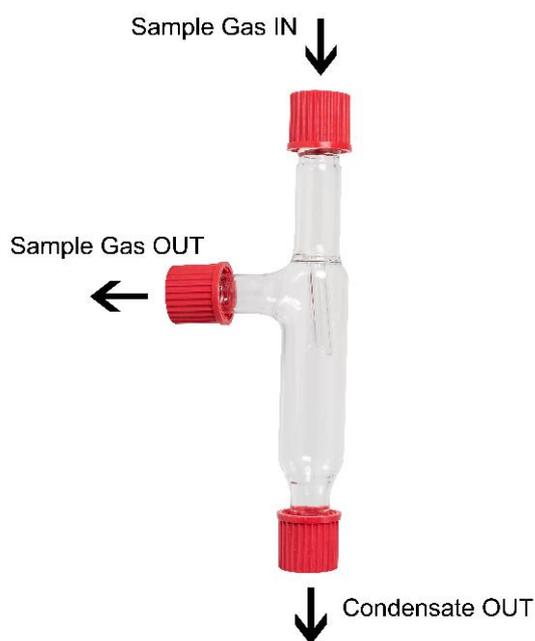


- ✓ Separation of condensate
- ✓ Pre-cooling to ambient temperature for water vapor inlet dew points >65°C
- ✓ Improved performance of sample gas cooler
- ✓ Suitable for high temperatures
- ✓ Condensate removal with peristaltic pump SR25
- ✓ PVDF-hose fittings and mounting bracket
- ✓ Corrosion resistant made of glass
- ✓ Low wash out ratio

Technical Data

PS		
Part number		92300492
Scope of delivery		glass pre-separator with 3 PVDF hose connectors DN4/6 and mounting bracket, 2m Viton hose, 1 x SR25 peristaltic pump
Gas flow max.	NI/h	500
Pressure max.	bar abs.	2,5
Connections		PVDF-hose-fittings DN4/6
Medium temperature max.	°C	160
Media wetted parts		glass, PVDF
Ambient temperature	°C	0...+60
Design data		
Dimensions	mm	180 x 85 x 55
Weight	kg	0,2
Mounting		wall mounting

Connections



Condensate removal



Condensate pump SR25 with pump capacity 3,4ml/min (separate data sheet)