Liquid Stop
LS

Application

The liquid stops series **LS** are used for continuous extractive gas analytics. They are usually integrated directly upstream the gas analyzer and serve for blocking liquids coming with the sample gas to protect the analyzer from damage.

Technology

The liquid stops series **LS** are disposable filters that have to be exchanged after moistening. The filter body is made of PP and the membrane is made of PTFE. The membrane has a porosity of 0,2µm and an especially low pressure drop of only a few mbar. Regarding design special attention was also paid to an extra low dead volume for fast response time. Due to the NPT1/8”m-thread the sample gas connections can be determined variably by means of an appropriate screw fitting.

Functions

Due to the semipermeable PTFE membrane liquid drops and even fine liquid particles down to a size of 0,2µm are separated reliably and sample gas can pass the filter without falsification. In case of completely wetted membrane no further gas flow is possible. The easy-to-loosen optional PVDF fittings enable a quick and easy exchange of the device in case of liquid blocking.

- Reliable protection of the analyser against intrusion of liquids
- Safe separation of liquid particles down to 0,2µm
- Durable corrosion resistant inert semipermeable membrane
- Quick and easy installation
- High chemical resistance
- Low dead volume for fast response time
- Low differential pressure

State 07 / 2022 | Subject to change

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Technical Data

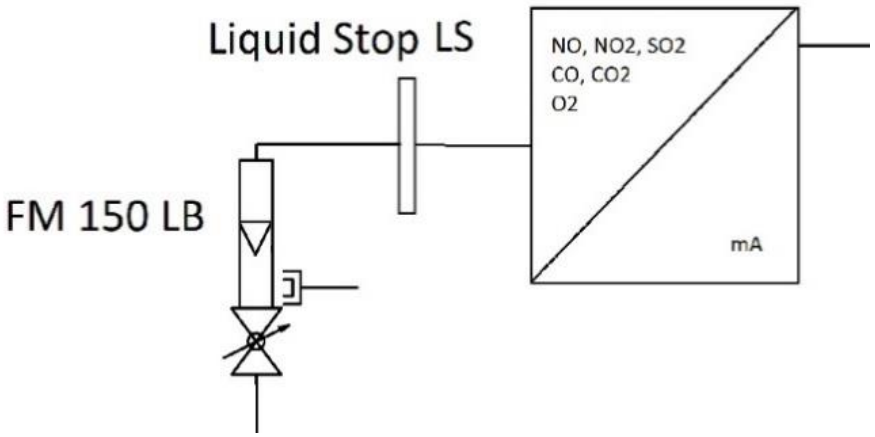
		LS
Part no.		92300618
Sample gas connections		NPT1/8“m
Ambient temperature	°C	0…+80
Max. medium temperature	°C	120
Materials media wetted parts		PP, PTFE
Max. operating pressure	bar	3
Max. flow rate V_n at Δp=0,1bar	Nl/h	300
Differential pressure	mbar	10 at 100Nl/hr and 30 at 300Nl/hr
Dead volume	ml	3
Filter surface	cm2	20
Design data		
Dimensions (∅ x L)	mm	64 x 115 (with PVDF fittings)
		within sample gas line
Options		
Straight connector DN4/6		NPT1/8“f – DN4/6 PVDF part no. 92300619 (2 necessary)

Deminstions in mm

State 05 / 2021 | Subject to change

State 07 / 2022 | Subject to change

Application example



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