



LB-10

Liquid stop LB-10

for protecting gas analyzers and gas-phase chromatographs against liquid ingress

Special Features

- **Safe protection against liquid breakthrough**
- **Pressure: max. 2 bar**
- **Sample gas temperature: max. +80 °C [176 °F]**
- **Material of sample-contacting parts: PP, PTFE**

Application

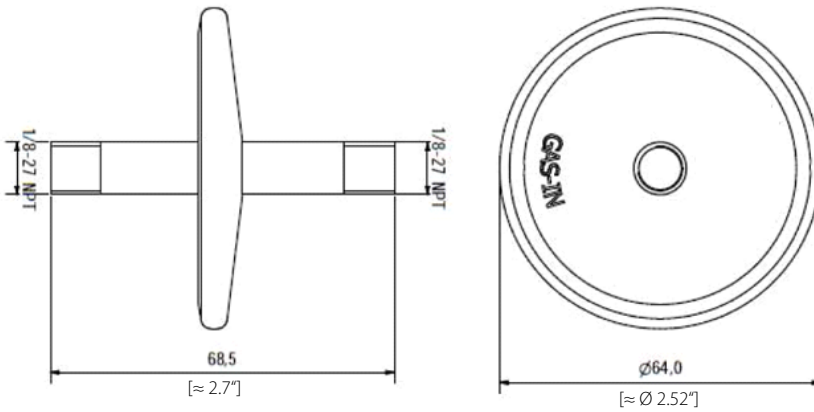
The M&C liquid-stop LB-10 is suitable for protecting analyzers and gas-phase chromatographs against ingress of liquids from the upstream gas conditioning unit. This avoids major damages to the gas analyzer.

The best location for the in-line liquid stop LB-10 is between the gas conditioning unit and the flow meter of the analyzer.

Description

The hydrophobic membrane of the liquid stop LB-10 is designed to function as a barrier to stop water particles.

Gas molecules and steam can pass through the pores of the protective membrane, but liquid molecules are retained.



Dimensions in mm [Inches]

Technical Data

Liquid stop	LB-10
Part No.	03F4100
Max. recommended gas flow	400 NI/h
Max. operating pressure	2 bar
Pressure decrease @ 100 l air/h	Approx. 8 mbar
Pressure decrease @ 400 l air/h	Approx. 38 mbar
Pore size	0.2 µm, hydrophobic
Operating temperature range	0 °C [32 °F] to 80 °C [176 °F]
Max. sample gas temperature	80 °C [176 °F]
Effective filtration area	Approx. 20 cm ²
Enclosure volume	5 ml
Material of sample-contacting parts	PTFE, PP
Gas connections*	1/8" NPT male on both sides
Mounting	Screwed into the existing gas line
Dimensions	Diameter approx. 70 mm [≈ 2.76"], length approx. 80 mm [≈ 3.15"]

* The dimensions and designation of the screw-in threads correspond to the respective applicable standard. The tolerances of the thread standards are matched to metal threads and cannot be applied to plastic threads.

Please note: NI/h and NI/min refer to the German standard DIN 1343 and are based on these standard conditions: 0 °C [32 °F], 1013 mbar.