



FP-D

# Universal Condensate Separator

## Series FP<sup>®</sup>, FT<sup>®</sup>

Version FP-D, FT-D, FT-H-D, FS-D, FSS-D  
for separation of gas and liquid

### Special Features

- **Reliable separation of gas and condensate**
- **Different material combinations**
- **Second inlet connection possible**
- **Function visible in versions with glass body**

### Application

The M&C universal separator F...-D is used in analysis technique to separate condensate from saturated sample gases.

### Description

The M&C condensate separator F...-D for gas- / liquid separation consist of standard parts of the modular designed universal filter series F...

The separator heads FT-D, FT-H-D, FS-D and FSS-D are equipped with a second G1/4" thread closed by a blind plug.

The version FP-D is not equipped with the inlet connection at the second G1/4" thread.

Version FT-H-D which is heatable up to 180 °C is equipped with an aluminium bearing ring to stabilize the PTFE head.

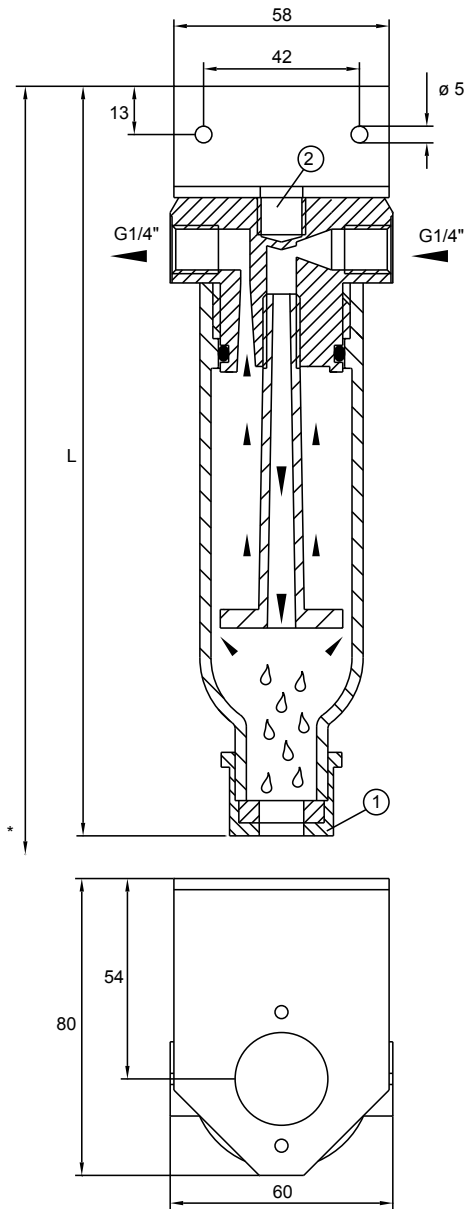
The sample gas is lead through the vertical drilling of the element holder to the lower part of the separator. The phase break is ensured by turning the flow direction with help of gravity and decrease of the flow rate.

Using the separator versions with glass body, enables the user to control the function from outside. The optimal position of the O-ring guarantees a sure sealing between the separator body and the separator head.

The separator inlet and outlet can be turned by 180° on the wall mounting bracket thus enabling an easy adaptation to local circumstances.

According to request, the drainage of the condensate may be effected by means of an externally installed M&C condensate vessel type TG../TK., condensate trap type AD-.. or a peristaltic pump SR25.1.

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Drawing FP/T/S-D with GL25 drain connection

Version	FP/T/S-D	FSS-D
Demounting measure*	310	310
Measure L	210	200
Connection	GL25-12	G 1/4" i
Anschluss	G 1/4" i	G 1/4" i

Only for version FP-D: On request open the third G1/4" i-thread connection, closed by the impermeable PVDF membrane with a 5mm drilling and connect it with the inlet. Versions FT/S/SS-D have got a blind plug to close this connection.

Dimensions in mm

Technical Data

	FP-D	FT-D	FT-H-D	FS-D	FSS-D
Part Number	50F1000	50F2000	50F3500	50F2500	50F3000
Materials: Separator head, element holder, O-Ring, body	PVDF, FPM, glass	PTFE, FEP, glass	PTFE, FPM, glass	stainless steel 316Ti, FPM, glass	stainless steel 316 Ti, FPM, 1.4571
Operating temperature, max.	+80 °C	+100 °C	+180 °C	+160 °C	+180 °C
Storage temperature	-30 to + 120°C				
Operation pressure, max.	at 20 °C 2 bar abs., 5 bar abs. when using GL-connecting adapters				at 50 °C 250 bar at 180 °C 50 bar
Stagnant space	80 cm <sup>3</sup>				
Montageart	Wandmontage mit Haltewinkel, Einbaulage vertikal				
Gas connections	G1/4" i DIN ISO 228/1				
Liquid drainage connection	GL25-12mm* Standard				G1/4" i
Weight, approx.	0,3 kg	0,4 kg	0,5 kg	1,0 kg	1,5 kg