



## ANKERSMID Universal Filter

### AUF series

#### Application

Ankersmid Universal Filters are known as a reliable technique for the separation of particles from gas, ensuring a flow of clean gas to the analyzer. Filter housings in a variety of materials and standard dimensions are available.

The design of the filter and filter housing also ensures that any liquids present in the gas will be separated from the gas. Liquids are collected in the bottom of the filter-housing.

Due to its universal standard dimensions and functionality, the filter elements can also be used with any commercially available filter housings. The filters are easily replaced without the use of any additional tools.

Where needed, a liquid sensor or liquid drain can be installed at the bottom of the filter housing tube.

#### Description

The AUF modularity offers the following selection:

- Variety of filter element materials:  
PTFE, Ceramics, SS316, glass-fiber
- Elements with lengths of 75 or 150 mm
- PTFE or Stainless Steel head
- Glass or Stainless Steel filter body
- Closed or outlet at the bottom (for condensate alarm)

A glass filter body offers the benefit of determining the extent of soiling of the filter from the outside at a glance.

A special bracket is available to click the filters on the Ankersmid Modular System, ensuring quick (no drilling required) installation and easy rearrangement of the filters and gas lines connecting the individual components.



Picture may vary

**Universal in use**

**Modular construction**

**High variety of materials**

**Deep-acting filter element**

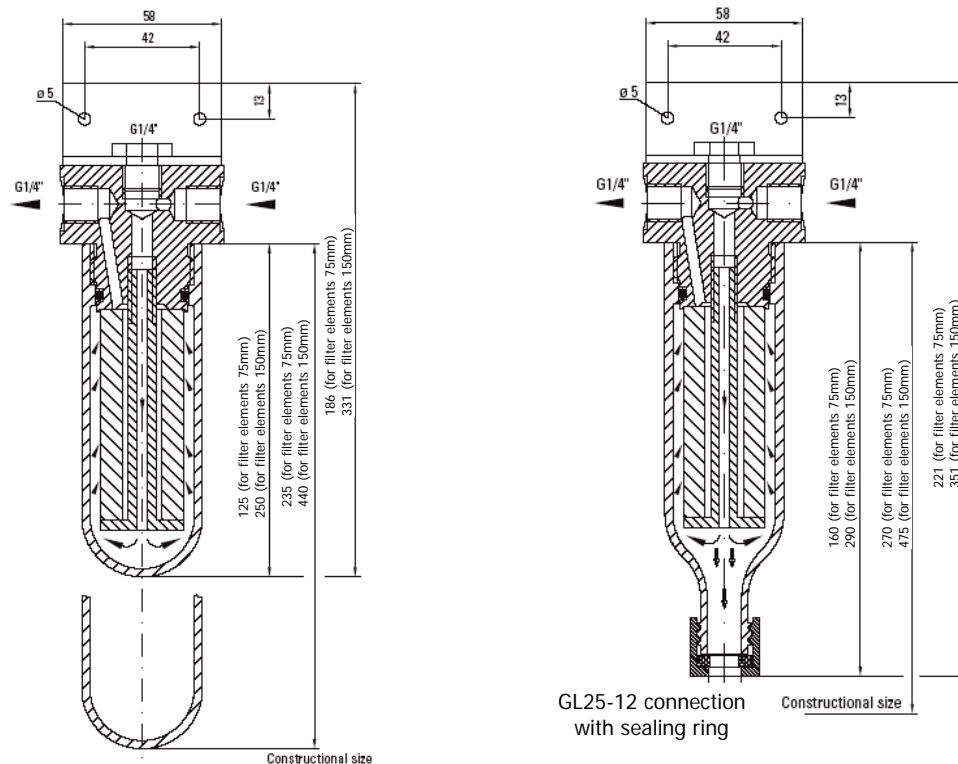
**Reliable separation of solids**

**Wall-mounting**

**Easy maintenance**



## Dimensions



<b>Length of filter element</b>		75mm / 150mm
<b>Sample connections: Gas inlet/-outlet</b>		3x G 1/4"i (1x closed)
<b>Condensate connection</b>		GL25/12mm for Glass body / NPT 1/4"i for SS body
<b>Pressure at 20°C</b>		Max. 5 bar abs for Glass body without drain / Max. 200 bar for SS body (50 bar at 180°C)
<b>Pressure with GL-connection adapter</b>		Max. 2 bar abs.
<b>Stagnant space</b>		65cm <sup>3</sup> for filter 75mm / 190cm <sup>3</sup> for filter 150mm
<b>Filter surface</b>		70cm <sup>2</sup> , for filter 75mm / 140cm <sup>2</sup> for filter 150mm
<b>Materials</b>	<b>Head</b>	PTFE, stainless steel 316L
	<b>Filter elements</b>	Ceramic, PTFE, Stainless steel, Glass fibre
	<b>Body</b>	Duran Glass, Stainless Steel
	<b>Seals</b>	FPM (head) PTFE/ Silicon (GL connection)
<b>Temperature of ambient or sample</b>		Max. 100°C (PTFE) / 180°C (stainless steel)
<b>Mounting method</b>		Wall-mounting / panel mounting / Ankersmid Modular System (AMS)
<b>Weight</b>		+/- 0,400 kg for PTFE head+ 75mm glass body / +/- 1,500 kg for SS head + 75mm SS body



## ASSEMBLING AN ANKERSMID SAMPLING AUF FILTER UNIT:

### Composition of the Ankersmid Samling Universal Fiter unit ordernumber

A U F - 1 - P - G O - T 0 2 - M B - L A 1 G

- 1: Filter body for element 75 mm
  - 2: Filter body for element 150 mm
  - P: PTFE head with 3x G1/4"
  - S: Stainless Steel head with 3x G 1/4" female
  - GO : Duran Glass
  - SO : Stainless Steel (only with Stainless Steel Head) (suitable up to 200Bar)
  - GL : Duran Glass With connection GL25
  - SD : Stainless Steel (only in combination with Stainless Steel Head) with drain connection G1/4" (suitable up to 200Bar)
  - T 0 2 : Teflon PTFE filter 2µm
  - T 2 0 : Teflon PTFE filter 20µm
  - C 0 2 : Ceramic filter 2µm
  - C 2 0 : Ceramic filter 20µm
  - S 0 3 : Stainless Steel filter 3µm
  - S 2 0 : Stainless Steel filter 20µm
  - G . 1 : Glass-fiber filter 0,1µm (only available in 75mm)
  - G 0 2 : Glass-fiber filter 2µm (only available in 75mm)
  - M B : Mounting bracket Aluminum (Standard)
  - A M : Ankersmid Sampling Modular System bracket (Optional see AMS series)
- OPTIONAL:
- L A 1 G : Liquid alarm by conductivity + electronic module Max 3 bara for glass
  - L A 1 S : Liquid alarm by conductivity + electronic module Max 3 bara for Stainless Steel
  - L A 2 G : Liquid alarm by internal fraction + electronic module Max 3 bara for glass
  - L A 2 S : Liquid alarm by internal fraction + electronic module Max 3 bara for Stainless Steel