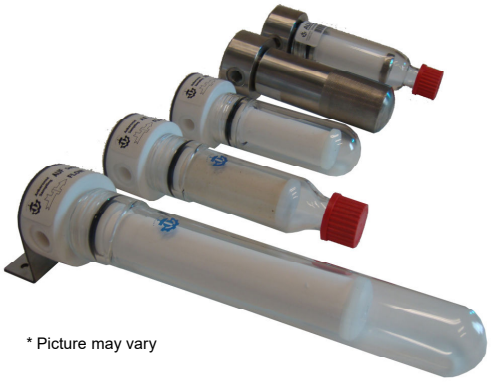
ANKERSMID Universal filter

AUF Series



* Picture may vary

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 150mm
- PVDF 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.

- **Universal in use**
- **Modular construction**
- **High variety of materials**
- **Deep-acting filter element**
- **Reliable separation of solids**
- **Wall-mounting**
- **Easy maintenance**

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ANKERSMID Universal filter

AUF Series

Technical data

AUF Universal filter	
Length of filter element	75mm / 150mm
Sample connections: Gas inlet/-outlet	3x G ¼"f (1x closed)
Condensate connection	GL25-12mm for glass body / NPT ¼"f for SS-body
Pressure at 20°C	Max. 5bar abs. for Glass body without drain / Max. 50bar abs. for SS-body (20bar abs. at +180°C)
Pressure with GL-connection adapter	Max. 2bar abs.
Stagnant space	65cm³ for filter 75mm / 190cm³ for filter 150mm
Filter surface	70cm² for filter 75mm / 140cm² for filter 150mm
Materials	
Head	PVDF, stainless steel 316
Filter elements	Ceramics, PTFE, stainless steel, Glass-fiber
Body	Duran® glass, Stainless Steel, PTFE
Seals	FPM (head), PTFE/Silicone (GL-connection)
Temperature of ambient or sample	Max. 100°C (PTFE) / 180°C (stainless steel)
Mounting method	Wall-mounting
Weight	+/- 0,4kg for PVDF & PTFE-head + 75mm glass body +/- 1,5kg for SS-head + 75mm SS-body
Filter element types	AUF 001 material: PTFE length: 75mm porosity: 2µm AUF 002 material: PTFE length: 75mm porosity: 20µm AUF 006 material: SS316 length: 75mm porosity: 2µm AUF 007 material: SS316 length: 75mm porosity: 5µm AUF 008 material: SS316 length: 75mm porosity: 20µm AUF 012 material: ceramics length: 75mm porosity: 2µm AUF 014 material: ceramics length: 75mm porosity: 20µm AUF 030 material: glass-fibre length: 75mm porosity: 2µm AUF 031b material: glass-fibre length: 75mm porosity: 0,1µm AUF 003 material: PTFE length: 150mm porosity: 2µm AUF 005 material: PTFE length: 150mm porosity: 20µm AUF 009 material: SS316 length: 150mm porosity: 2µm AUF 011 material: SS316 length: 150mm porosity: 20µm AUF 015 material: ceramics length: 150mm porosity: 2µm AUF 017 material: ceramics length: 150mm porosity: 20µm AUF 032 material: glass-fibre length: 150mm porosity: 0,1µm

PVDF = Polyvinylidenfluoride, PTFE = Polytetrafluoroethylene (Teflon®)

Universal Filter Bestseller - Covering 95% of all CEM-applications (order examples):

AUF 102	Material: Duran® glass (body), PVDF (filter head, filter element holder). Connections: G1/4"f (gas inlet, gas outlet). With filter element type AUF 001. Incl. mounting bracket.
AUF 103	Material: Duran® glass (body), PVDF (filter head, filter element holder). Connections: G1/4"f (gas inlet, gas outlet). With filter element type AUF 002. Incl. mounting bracket.
AUF 132	Material: Duran® glass (body), PVDF (filter head, filter element holder). Connections: G1/4"f (gas inlet, gas outlet). With filter element type AUF 031b. Incl. mounting bracket.
AUF 104	Material: Duran® glass (body), PVDF (filter head, filter element holder). Connections: G1/4"f (gas inlet, gas outlet). With connection GL25 for condensate outlet or liquid alarm sensor. With filter element type AUF 001. Incl. mounting bracket.
AUF 134	Material: Duran® glass (body), PVDF (filter head, filter element holder). Connections: G1/4"f (gas inlet, gas outlet). With connection GL25 for condensate outlet or liquid alarm sensor. With filter element AUF 031b. Incl. mounting bracket.
AUF 202	Material: SS316 (body, filter head, filter element holder). Connections: G1/4"f (gas inlet, gas outlet). With filter element AUF 001 (material: PTFE, porosity: 2µm, length: 75mm). Incl. mounting bracket.
AUF 232	Material: SS316 (body, filter head, filter element holder). Connections: G1/4"f (gas inlet, gas outlet). With filter element AUF 031b. Incl. mounting bracket.
AUF 204	Material: SS316 (body, filter head, filter element holder). Connections: G1/4"f (gas inlet, gas outlet), drain outlet 1/4"f NPT. With connection 1/4"i NPT for condensate outlet or liquid alarm sensor. With filter element AUF 001. Incl. mounting bracket.
AUF 234	Material: SS316 (body, filter head, filter element holder). Connections: G1/4"f (gas inlet, gas outlet), drain outlet 1/4"f NPT. With connection 1/4"i NPT for condensate outlet or liquid alarm sensor. With filter element AUF 031b. Incl. mounting bracket.

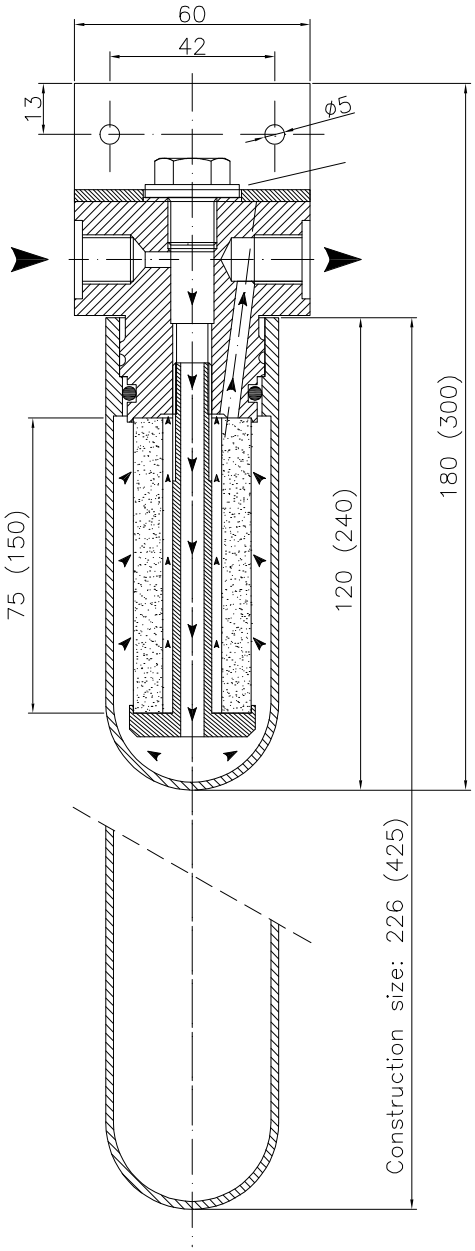
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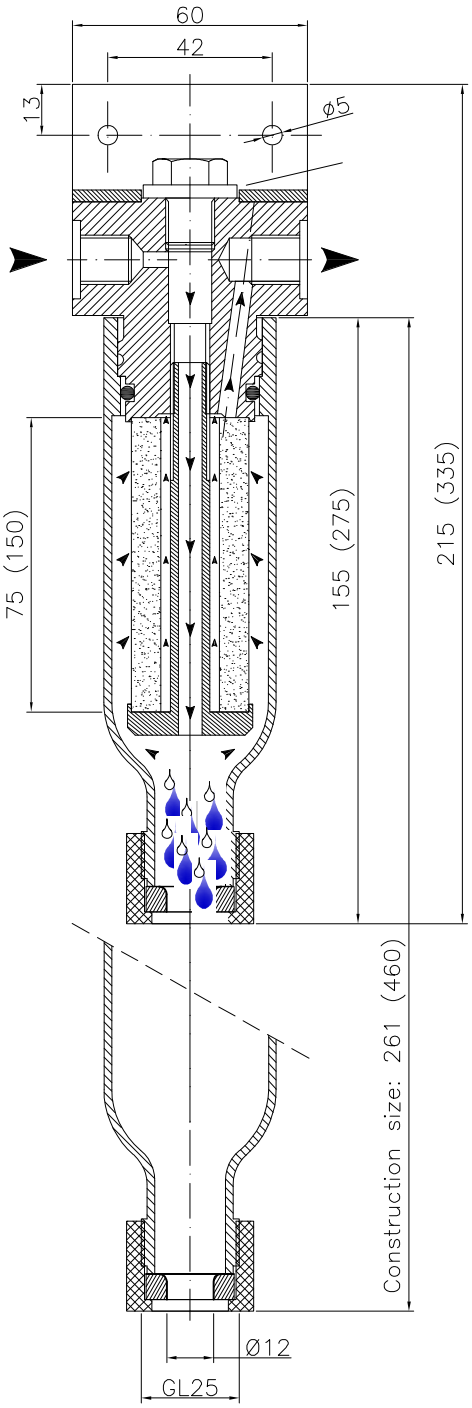
AUF Series

Dimensions

Filter unit without drain,
for filter element 75mm (150mm)



Filter unit with drain,
for filter element 75mm (150mm)



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