Ankersmid Sampling



Universal Gas Filter Series AUF

Ankersmid Filters series AUF/APF/AAF/AFP as well as the various range of separators, wash bottles and humidifiers are known as a reliable technique for the separation of particles from gas, ensuring a flow of clean gas to the analyzer.

The modular system allows various combinations, tailor-made configured for each application.

Applications:

Continuous Emission Monitoring (CEM)

Aerosol filtration

Gas washing/wetting

Environmental protection

Analyzer protection

Adsorption applications

"Particle and coalescence filters for all applications."

Reference customers:

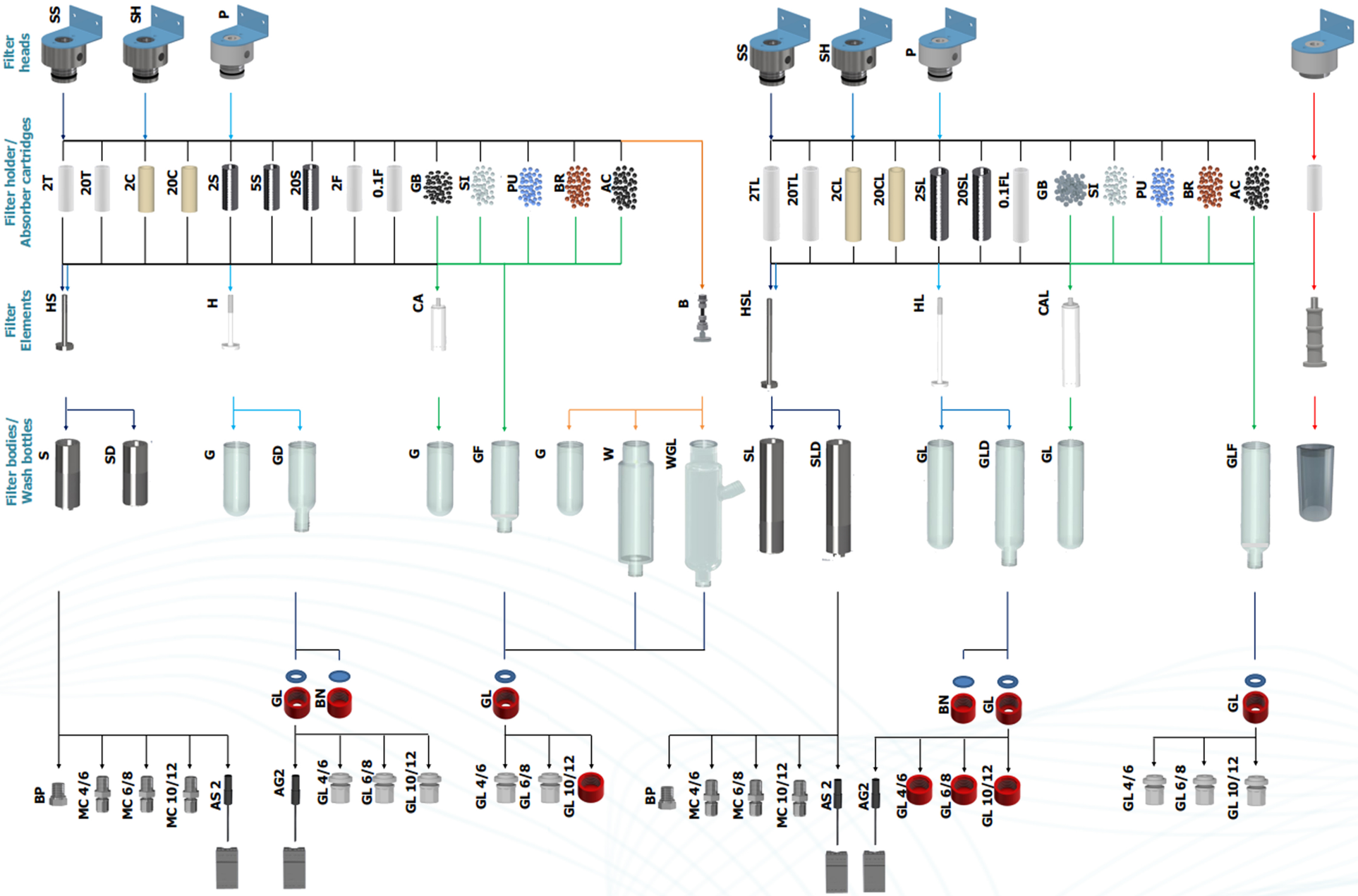
SIEMENS

BAYER

umicore

BASF
The Chemical Company

AIR PRODUCTS



Gas Filter Series AUF

Example: Modular code **P – 2T – H - GD – AG2**

(Find all module codes in the Ankersmid price list, chapter "AUF")



P Filter head, PVDF, incl. mounting bracket and o-ring

2T Filter element, PTFE, 2µm, 75mm

H Filter element holder, PVDF

GD Filter body, Duran glass, 120mm, with GL25 connection

AG2 Liquid sensor with electronics, GL25 nut, sealing ring GL25-12mm

Our Bestseller Models

Universal filter P-2T-H-G.
Material: Duran® glass (body), PVDF (filter head, filter element holder).
Connections: G1/4"f. With filter element 2T (PTFE, 2µm, 75mm).

Universal filter P-0.1F-H-G.
Material: Duran® glass (body), PVDF (filter head, filter element holder).
Connections: G1/4"f. With filter element 0.1F (glass-fibre, 0.1µm, 75mm).

Universal filter P-2T-H-GD, with bottom connection for drain/liquid sensor.
Material: Duran® glass (body), PVDF (filter head, filter element holder).
Connections: G1/4"f. With filter element 2T (PTFE, 2µm, 75mm).

Universal filter P-0.1F-H-GD, with bottom connection for drain/liquid sensor.
Material: Duran® glass (body), PVDF (filter head, filter element holder).
Connections: G1/4"f. With filter element 0.1F (glass-fibre, 0.1µm, 75mm).

Universal filter SS-2T-HS-S.
Material: SS316 (body, filter head, filter element holder).
Connections: G1/4"f. With filter element 2T (PTFE, 2µm, 75mm).

Universal filter SS-5S-HS-S.
Material: SS316 (body, filter head, filter element holder).
Connections: G1/4"f. With filter element 5S (SS316, 5µm, 75mm).

Universal filter SS-2T-HS-SD, with bottom connection for drain/liquid sensor.
Material: SS316 (body, filter head, filter element holder).
Connections: G1/4"f, 1/4"f NPT (drain). With filter element 2T (PTFE, 2µm, 75mm).

Universal filter type SS-5S-HS-SD, with connection for drain/liquid sensor.
Material: SS316 (body, filter head, filter element holder).
Connections: G1/4"f, 1/4"f NPT (drain). With filter element type 5S (SS316, 5µm, 75mm).

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Aerosol/Coalescence Filter Series AFP

- High separation rate of 99,9999% for particles > 0,1µm
- Optional liquid stop for analyzer protection
- Visible condition of filter element from outside
- Easy change of filter element without tools
- For wall-mounting
- With GL25 outlet for optional condensate removal



The Ankersmid aerosol/coalescence filter is suitable for filtration of fluid particles of all types and is recommended for sample gases with an acid dew point above 100°C. Application examples are measurements in flue gas of heavy oil and black coal combustions.

The filter separates the aerosols (very fine fluid particles) which still pass the gas cooler. The most effective position of the filter is downstream the sample conditioning close to the flow meter of the analyser.

For additional system protection we provide the version with integrated hydrophobic diaphragm, working as a liquid stop.

Panel Filter Series APF

- Innovative construction for universal usability
- Easy change of filter element
- Minimum stagnant space
- Filter porosity 0,1µm (APF 010) or 2µm (APF 020)
- Panel mounting
- Flat filter design



The APF front panel filter is developed for 19" front-plate mounting and is suited to flat-design equipment.

The device filters solids, in particular very fine particles, from the gas stream for gas conditioning applications.

The APF uses very fine, deep-acting filter elements to remove fine particles from the gas stream. The large filter surface of the cylindrical filter element guarantees reliable extra-fine filtration and a long service life with low pressure drop.

Liquid sensor Series ALA

A liquid sensor is used in gas sample conditioning/systems as a security alarm in case of condensate breakthrough.
The Ankersmid ALA 002 sensor works on the principle of the detection of a change in internal reflection. When a liquid is disposed on the outside lens of the sensor the reflection will be changed and detected by the sensor. The transparent dome contains an LED and an optical sensor. An alarm is generated by the electronic module ALA 102 with a potential-free contact.
The ALA 003 sensor works on the principle of electrical conductivity.





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