



Automatic Condensate Drains AK 5, AK 20, 11 LD V 38

In extractive gas analysis it is important to protect the measuring cells from any type of contaminants. In addition to removing particle contamination, it's also extremely important to separate moisture and condensation.

If the sample gas flowing through the conditioning system is pressurised, drains with automatic drain valves can be used to discharge condensate settling in the sample gas cooler. These do not require any additional energy supply and are available in various material combinations.

Various geometric shapes for easy installation

High operating reliability

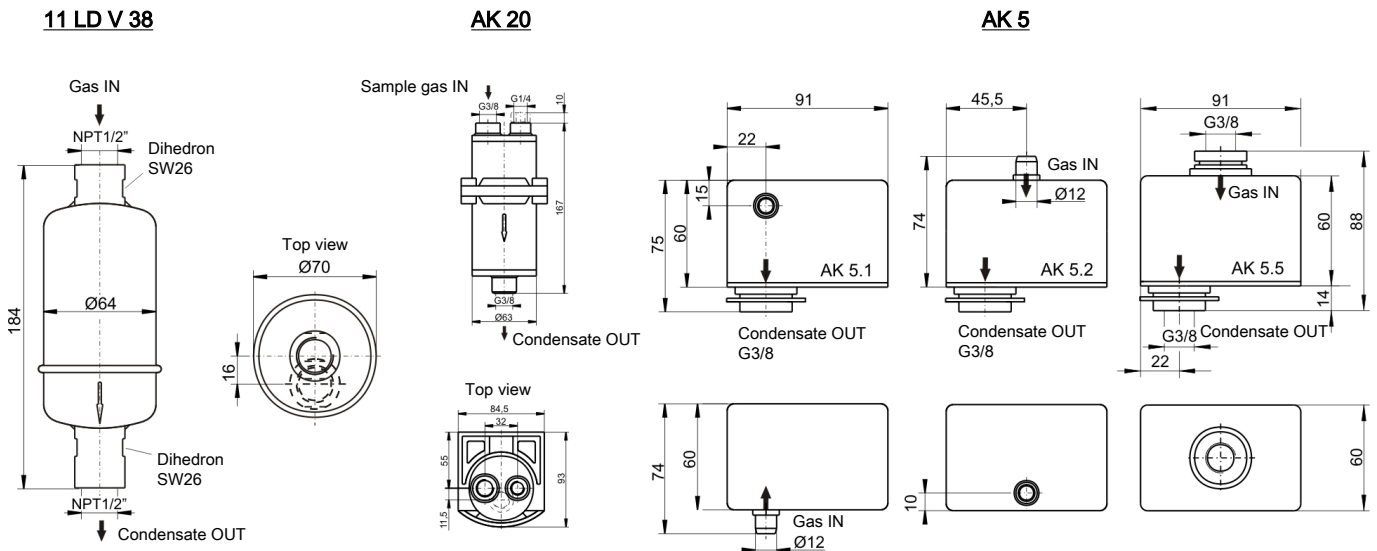
Long life

Various base materials

Axis Solutions Pvt Ltd is the Authorized Distributor of Bühler Technologies GmbH in India
www.axisindia.in | info@axisindia.in



Dimensions



| Type | 11 LD V 38 | AK 20 | AK 5 |
|--------------------------|--|---|--------------|
| max. operating pressure: | 18 bar | 2 bar | 2 bar |
| max. medium temperature: | 200 °C | 100 °C | 100 °C |
| Ambient temperature: | +5 to +60 °C | +5 to +60 °C | +5 to +60 °C |
| Weight: | 0.8 kg | 0.3 kg with wall bracket (gas outlet sealed) | 0.25 kg |
| Material: | Stainless steel 1.4306, 1.4401, 1.4301 | PVDF | PVDF |



Use in explosive areas (additional notices):

The condensate drains meet the fundamental safety requirements of Directive 2014/34/EU and are suitable for use in category 2G, explosion group IIB or IIC areas. The condensate drains are not marked, as they do not have an innate ignition source and Directive 2014/34/EU therefore does not apply.

Non-flammable and flammable gases, explosion class IIB or IIC, which could occasionally be explosive during normal operation may be conveyed through the condensate drains.

| Model | 11 LD V 38 | AK 20 | AK 5 |
|-----------------|------------|-------|------|
| Zone | 1 | 1 | 1 |
| Explosion group | IIC | IIB | IIB |

DANGER

Dangerous electrostatic charge (explosion hazard)



Incendive electrostatic charges may occur when cleaning plastic housing parts and decals (e.g. with a dry cloth or compressed air). The sparks this produces could ignite flammable, explosive atmospheres.

Always clean plastic housing parts and decals **with a damp cloth!**

Metal housing parts must be earthed.

DANGER

Impact



Strong blows to the housing can produce sparks, which can ignite an EX atmosphere. Protect the equipment from external impact. Damaged housing parts must be replaced immediately.

WARNING

Gas emanation



Health hazard from gas leaks due to incorrect operation or maintenance

- a) Close the gas supply before beginning installation or maintenance.
- b) Protect yourself from hot and toxic gases.
- c) Wear safety gloves and face shield. Emergent gas could be explosive.



Ordering instructions

| Item no. | Model |
|-----------|-------------------------|
| 45 10 006 | AK 5.1 horizontal inlet |
| 45 10 008 | AK 5.2 vertical inlet |
| 45 10 028 | AK 5.5 |
| 44 10 004 | AK 20 |
| 44 10 001 | 11 LD V 38 |