

# Automatic Condensate Drains AK5, AK 20 and 11 LD V 38

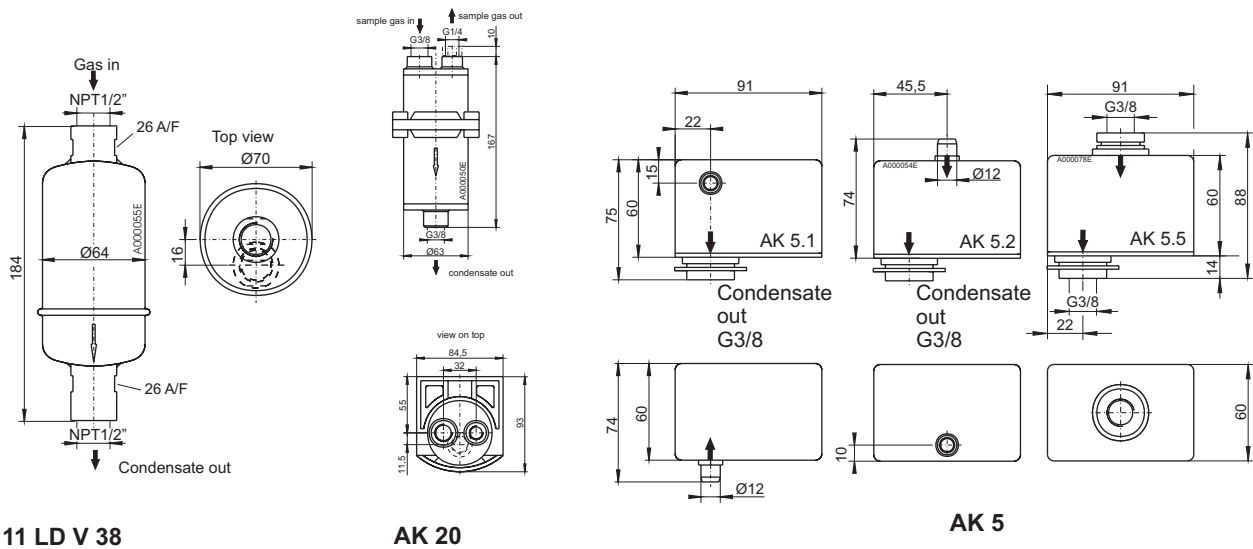


The discharge of condensate collected from sample conditioning systems requires a means of removal.

Buhler has developed several condensate drains for use in pressurized sample conditioning systems.

These units have specially designed low friction drain valves which increase the operational reliability and life time.

- **Easy to assemble**
- **Long life**
- **Variety of materials to meet with application specific conditions**
- **High reliability of operation**



11 LD V 38

AK 20

AK 5

Model	11 LD V 38	AK 20	AK 5
Max. op. pressure	18 bar/160 psi	2 bar/29 psi	2 bar/29 psi
Max. op. temperature	200 °C/390 °F	100 °C/210 °F	100 °C/210 °F
Flow			100 l/h H <sub>2</sub> O/ 1 bar
Weight	0,8 kg	0,3 kg w ith mounting frame (gas out is closed)	0,25 kg
Material:	stainless steel 1.4306, 1.4401 and 1.4301	PVDF	PVDF



**Application in explosive atmosphere (additional indications):**

**Range of use in explosive atmosphere :**

**Condensate drains**

Type	11 LD	AK 20	AK 5
Zone	1	1	1
Group	IIC	II B	IIB

There is no Ex-designation on the type plate of the equipment, because they are not within the scope of directive 94/9/EC. However the equipment corresponds to the essential requirements of the directive 94/9/EC. Therefore they can be used in explosive atmosphere (Zone 1).

Attention !



**Electrostatic charge**

Clean plastic parts and labels with damp cloth only.  
Connect metallic parts to ground

Attention !



**Gas emission**

Life- and explosion risk may result from gas leakage due to improper use.  
Protect the equipment against being hit.

Attention !



**Gas emission during maintenance**

During maintenance or inspection **release the process pressure or switch off the process**. Use face protection and gloves. **The gas in the process may be harmful or explosive!**

**Please indicate with order**

Part 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



**Attention!**

Be careful:  
Condensate may be harmful