



AD-T

Automatic liquid drainer

Version AD-P; AD-T; AD-So

Separator

including automatic liquid drainer

Version ADS-P; ADS-T; ADS-So

Special Features

- Save condensate removal and separation
- Optical function control
- Different materials possible
- Simple and immediate cleaning

Application

In gas sample conditioning systems and especially in gas coolers, the M&C-automatic liquid drainers AD-.. are used for continuous draining of condensate.

The ADS-.. drainer has a modified upper part with additional separating function in order to separate and drain condensate from wet gas sample flow.

The drainer only works in over-pressure systems.

Description

The AD-.. and ADS-.. drainer work by the buoyancy principal.

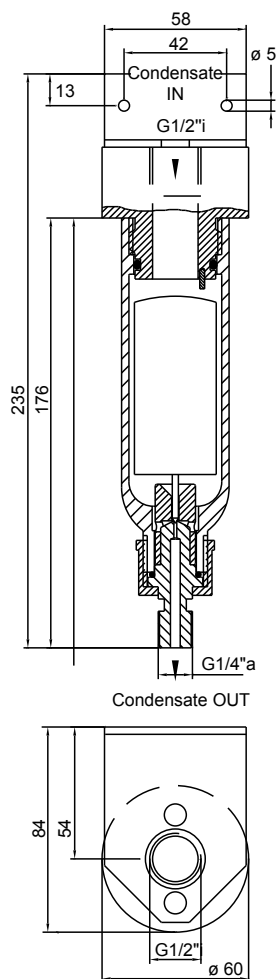
In the unscrewable lower part, a buoyant float close with its needle the valve seat as long as its weight will be neutralized from the buoyancy of the condensate level. Then the float lifts up, opens the valve seat, condensate drains off till the condensate level will be so low, that buoyancy is lower than float weight.

The 3 different drainer versions differ in the material. Type AD-P, AD-T, ADS-P and ADS-T have got a float housing made of glass, type AD-So and ADS-So have got a complete stainless-steel housing.

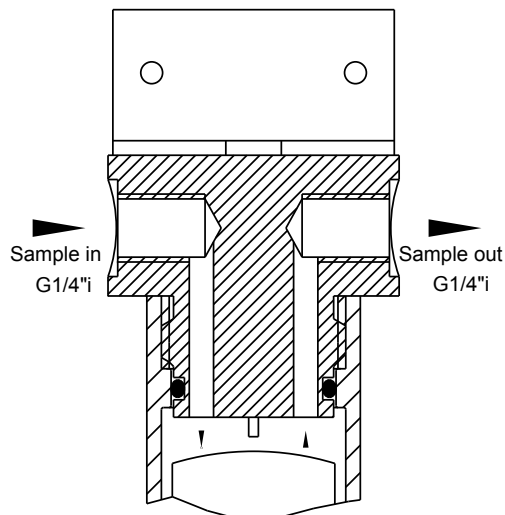
Cleaning is very simple and immediatly done because all parts are removable. With type AD-P, AD-T, ADS-P and ADS-T, draining function is visable from outside through the glass housing.

Dimensions

Liquid drainer AD-P/T/So



Separator and liquid drainer ADS-P/T/So



Dimensions in mm

Technical Data

	Liquid drainer			Separator and drainer		
	AD-P	AD-T	AD-So	ADS-P	ADS-T	ADS-So
Part No.	09K1000	09K2000	09K2500	09K6000	09K7000	09K7500
Material:						
Housing	PP, Glass	PTFE, Glass	SS 316Ti	PP, Glass	PTFE, Glass	SS 316Ti
Float	PP	PVDF	PVDF	PP	PVDF	PVDF
Valve seat, O-rings	PTFE, FPM	PTFE, FEP	PTFE, FPM	PTFE, FPM	PTFE, FEP	PTFE, FPM
Operating temperature	60 °C	90 °C		60 °C	90 °C	
Operating pressure	1-2 bar abs.					
Function	down to min. density 0,7 kg/dm ³ , at 1 bar					
Drain capacity	max. 2 l/hr H ₂ O, at 1 bar and 20 °C					
Mounting position	vertical					
Connections	Condensate in: G1/2" i DIN ISO 228T1 Condensate out: G1/4" a DIN ISO 228T1			Sample in / out: G1/4" i DIN ISO 228T1 Condensate out: G1/4" a DIN ISO 228T1		
Weight	0,35 kg		1,5 kg	0,35 kg		1,5 kg