

Liquid Drainer

LD1



LD1-P



LD1-SS



FEATURES

- » Economical
- » Compact construction
- » Floating – buoyance principle
- » Very Less maintenance
- » Easy for installation via clamp
- » Used in upstream Analyzer Gas conditioning

ADVANTAGES

- » Safe condensate removal
- » High Draining ratio
- » Highly reliable in continuous operation
- » Corrosion resistive material
- » Available in 2 different materials
- » Long life performance

DESCRIPTION

The Reliable & long-term operation of any process analyzer depends upon the efficiency of the sample conditioning system for which dust, solid particulate & moisture-free sample gas is essential. Where condensate separation and removal from the sample is a major problem for analyses of gas, Axis LD1 is the best solution.

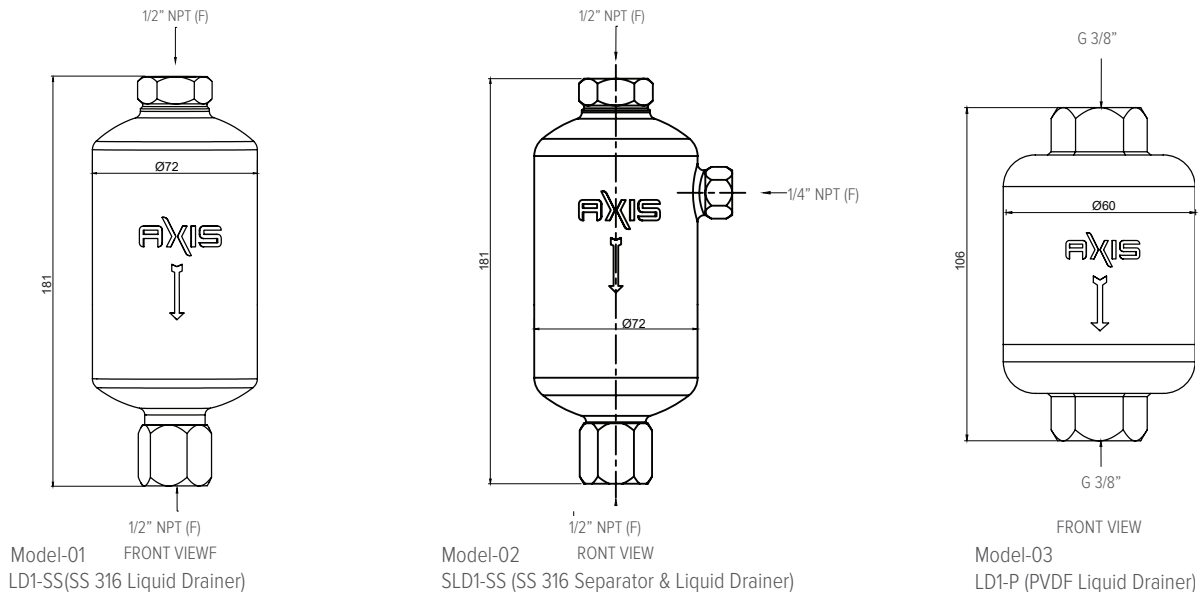
The main application of this product is the separation of condensation from the upstream sample gas conditioning for emission and process monitoring systems. It can be used only for applications with pressure above atmospheric pressure. Its major application is to collect the condensation from the upstream flow path of the sample gas cooler and automatically drain the condensation.

Another application is for condensate pre-separation of saturated gas with immediate drainage. Model LD1 provided separators and automatic condensate drains for lateral gas connection for additional separator functions. For the above-mentioned function required overpressure means above atmospheric pressure.

ASPL has 2 different versions of the model, one with Stainless Steel and the second with PVDF. Where high pressure occurs in the system then the Stainless Steel version is suitable or where low pressure occurs and some acidic contents are in the system then the PVDF version is suitable.

Auto condensate removal is working on Float – Buoyance principle. Normally float closes the condensate drain outlet through the needle. Due to the raising condensate level, the outlet is released by the buoyancy of the float.

DIMENSION DETAILS



All Dimension are in MM

TECHNICAL SPECIFICATION

		Model 1	Model 2	Model 3
		(LD1-SS)	(SLD1-SS)	(LD1-P)
General	Mounting	Vertical		
	Dimension	Refer above dimensional detail		
	Sample	Flue Gas or Stack Gas		
	Material	SS 316	SS 316	PVDF
	Weight	1.0 Kg	1.2 Kg	0.1 Kg
Connection	Sample Inlet	1/2" NPT (F)	1/2" NPT (F)	G 3/8"
	Sample Outlet		1/4" NPT (F)	
	Condensate Outlet (Drain)	1/2" NPT (F)	1/2" NPT (F)	G 3/8"
Functionality	Media Temperature	Max. 190°C	Max. 190°C	Max. 90°C
	Ambient Temperature	0°C – 70°C		
	Pressure	Max. 10 kg/cm ²	Max. 10 kg/cm ²	< 2kg/cm ²
	Draining Capacity	16.5 LPH @ Atmosphere Pressure	-	-