



AD-SS

## Automatic liquid drain

Version AD-SS

## Separator and automatic liquid drain

Version ADS-SS

### Special Features

- Save condensate removal and separation
- Completely made of stainless steel
- For high pressure and temperature applications
- High drain capacity

### Application

The M&C liquid drain AD-SS is used in gas conditioning systems where condensate must be drained after cooling the gas.

For condensate pre-separation of saturated gas with simultaneous drainage, ADS-SS separators and automatic liquid drains are provided with a lateral gas connection for additional separator functions. For functioning of the above mentioned drains overpressure is required.

### Note for operation !

The M&C automatic liquid drain AD-SS and the separator ADS-SS have to be filled with water before operation, because otherwise the draining valve will remain open due to its design!

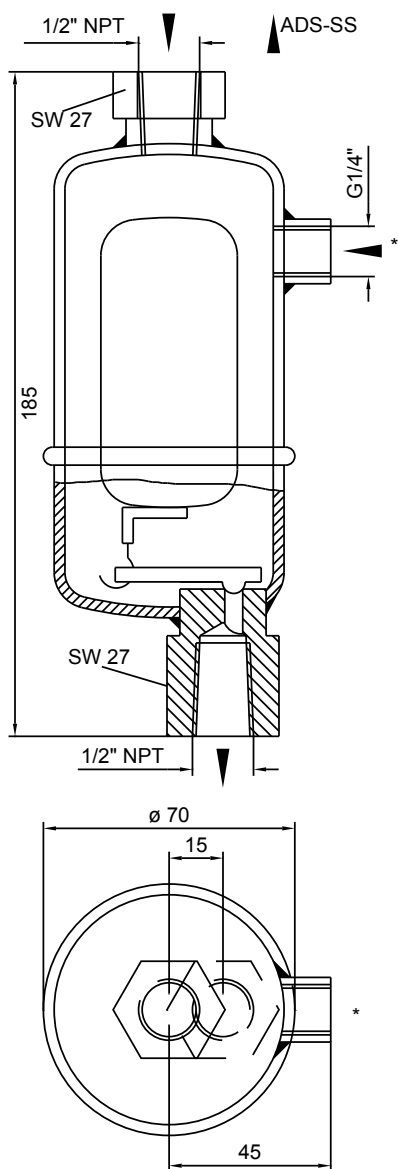
### Description

The AD-SS and ADS-SS automatic liquid drains function via gravity. The casing, float, valve and valve seat are made of stainless steel. The outlet valve is controlled by a lever mechanism. The float closes the condensate outlet via the lever mechanism with the valve tip. Due to the rising condensate level the outlet is released by the buoyancy of the float.

The ADS-SS separator with automatic condensate drain is a modification with an additional lateral gas connection.

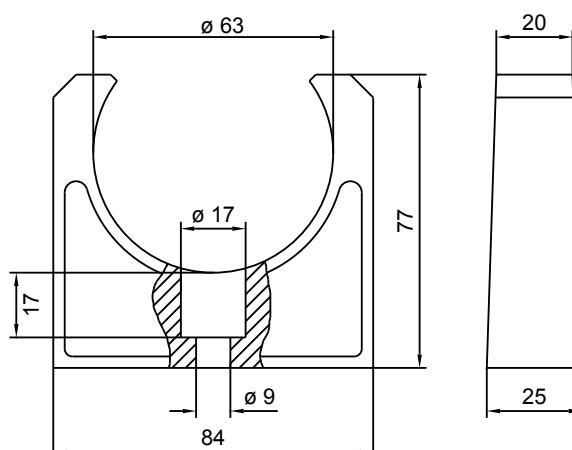
## Dimensions

### Separator ADS-SS Automatic liquid drain AD-SS

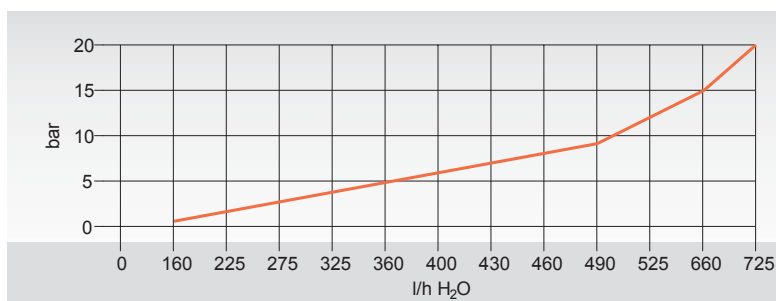


\*only at version ADS-SS

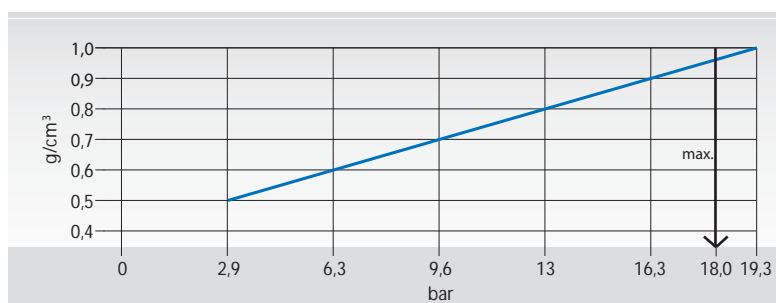
### Mounting clip AD-SS for wall mounting



### Drain capacity depending on working pressure



### Max. working pressure depending on specific gravity



Dimensions in mm

## Technical Data

Liquid drain	AD-SS	ADS-SS	Mounting clip
Part number	09K3000	09K8000	90K3010
Material	stainless steel 304, 316		PE
Operating temperature	0 to +200 °C		-20 to +90 °C
Storage temperature	-50 to +200 °C		-30 to +110 °C
Operating pressure	1-19 bar abs.		
Function	specific gravity min. 0,5 kg/dm <sup>3</sup> , at 1 bar abs.		
Capacity	160 l/hr H <sub>2</sub> O, at 1 bar abs. and 20 °C		
Mounting position		vertical	
Condensate in	1/2" NPT i		
Condensate out	1/2" NPT i		
Sample gas in		G1/4" i	
Sample gas out		1/2" NPT i	
Weight	0,8 kg		0,05 kg