

The smallest Sensor  
for optimal Condensate Removal

# Secura-Split® XS 5000 - STD 15 L/h



with thermal protection

## The PREMIUM-System for Condensate Removal with the smallest sensor

- Capacitive level measurement
- No moving parts
- For all qualities of water
- Fits in every air conditioner
- Fits in every installation duct
- Pump: 15 L/h
- Noise level: 19 dB(A)
- Alarm Relay: 16 A



Innovation through Experience

**DELCO CONTROLS AG**  
for refrigeration & airconditioning





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## The PREMIUM-System for Condensate Removal with the smallest sensor

### PRODUCT DESCRIPTION

The Condensate Removal System **Secura-Split® XS 5000 - STD 15 L/h** has been developed especially for Minisplit wallhung air conditioners with a cooling capacity of up to 10 kW / 34'000 BTU (Pump 15 L/h). It can, however, also be used for other types of air conditioners such as ceiling-mounted units.

The **Secura-Split® XS 5000 - STD 15 L/h** system includes:

- 1 sensor housing (**SENSOR-UNIT**)
- 1 pump (**PUMP-UNIT**), to be installed at any place within or outside the air conditioner
- 1 power unit with alarm relay output (**POWER-UNIT**)
- 1 line filter

The very small sensor housing fits into every air conditioner and installation is easy.

It is connected via the line filter at the condensate water drain hose of the air conditioner.

As soon as the float housing is filled up to  $\frac{3}{4}$  with condensate water, it starts the delay of 5 seconds. After this time, the pump is switched on and pumps the water out until the float housing is less than  $\frac{1}{2}$  full.

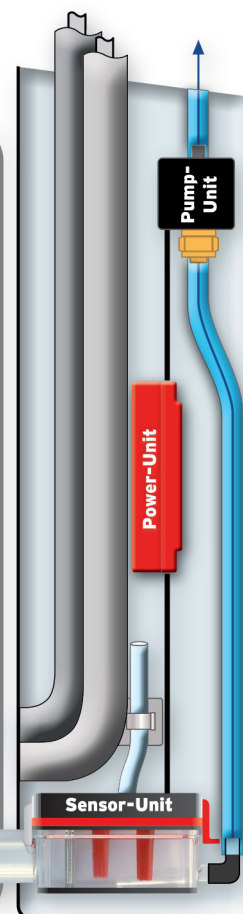
If in case of a defect pump or of a blockage, the pump is running for one minute continuously, the alarm relay in the power unit can be turned off.

The sensor operates using capacitive level measurement, and has been specially developed for air conditioning systems. It also functions with lower conductivity of the condensate, but, above all, for water that is contaminated by dirt, oil or algae. Unlike

conventional condensate pumps with float switches, the system **Secura-Split® XS 5000 - STD 15 L/h** has no moving parts in the sensor housing that could be blocked by dirt or algae. In addition, this electronic sensor also operates in a sloping position (unlike float switches).

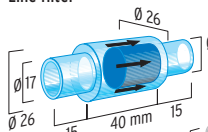
The pump is an extremely quiet, powerful and self-priming oscillating piston pump and is fitted with a non-return valve. The version "**XS 5000 - STD 15 L/h**" is fitted with an integrated temperature protection switch and, in addition, this pump is also encased in insulating plastic to reduce the noise level.

Since the flow rate of each pump is reduced by even very low dirt accumulation, the system has a line filter and a built in metallic tissue filter in the sensor housing.

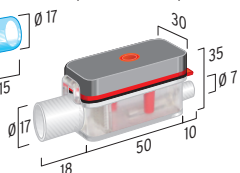


### DIMENSIONS:

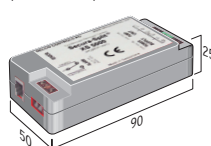
Line filter



Sensor housing (SENSOR-UNIT)

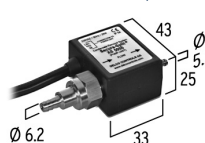


Power Unit (POWER-UNIT)



Pump (PUMP-UNIT)

XS 5000 - STD 15 L/h  
Standard - with thermal protection



### TECHNICAL DATA:

- Power supply: 230 Vac, 50 Hz
- Power consumption: max. 50 Watts
- Alarm relay: 16 A / max. 250 Vac
- Ambient temperature: 0 - 45 °C
- Thermal protection pump: 95 °C
- (only for the version XS 5000 - STD 15 L/h)
- Index of protection power unit: IP 20
- Index of protection sensor housing: IP 54
- Index of protection pump: IP 54
- Noise level pump: max. 19 dB(A)

### FLOW RATE:

- Max. flow rate: 15 L/h
- Max. pumping head: 12 m
- Max. suction head: 2 m (without back pressure)
- Max. horizontal head distance: 30 m
- Max. water temperature: 45 °C

### FLOW RATE:

