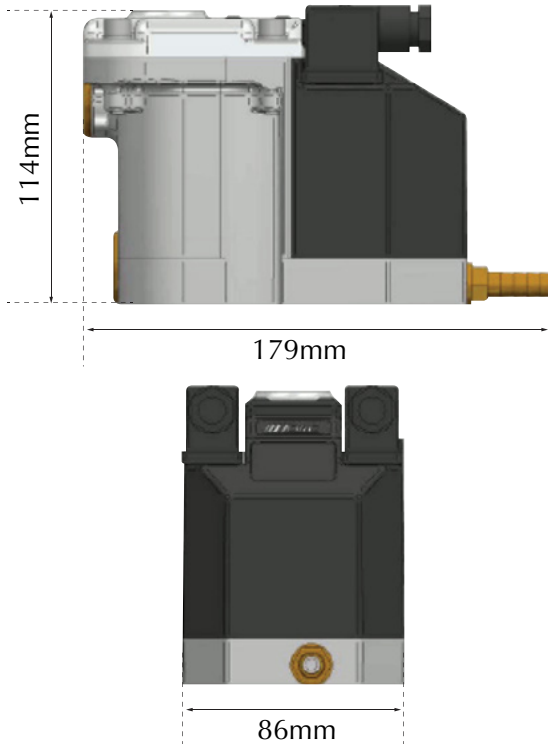




SMART CONDENSATE DRAIN

SCD 14



PRODUCT FEATURES

- Electronic level sensed condensate drain with alarm function.
- Zero air-loss
- Rapid pay-back period, zero air-loss and energy saving.
- Can be installed in all compressed air system components up to 100m³/min regardless of size and climate zone - only 1 model needed!.
- Reliable due to robust industrial housing, alarm feature and 2/2 way direct acting valve assembly.
- An integrated mesh strainer (*prevent large particles from entering the valve orifice*), easy to disassemble and service.
- The alarm feature can be connected to a visual or audible alarm.
- Operating pressure to 16 bar and 64 bar special versions.

TECHNICAL ADVANTAGES OVER COMPETITORS

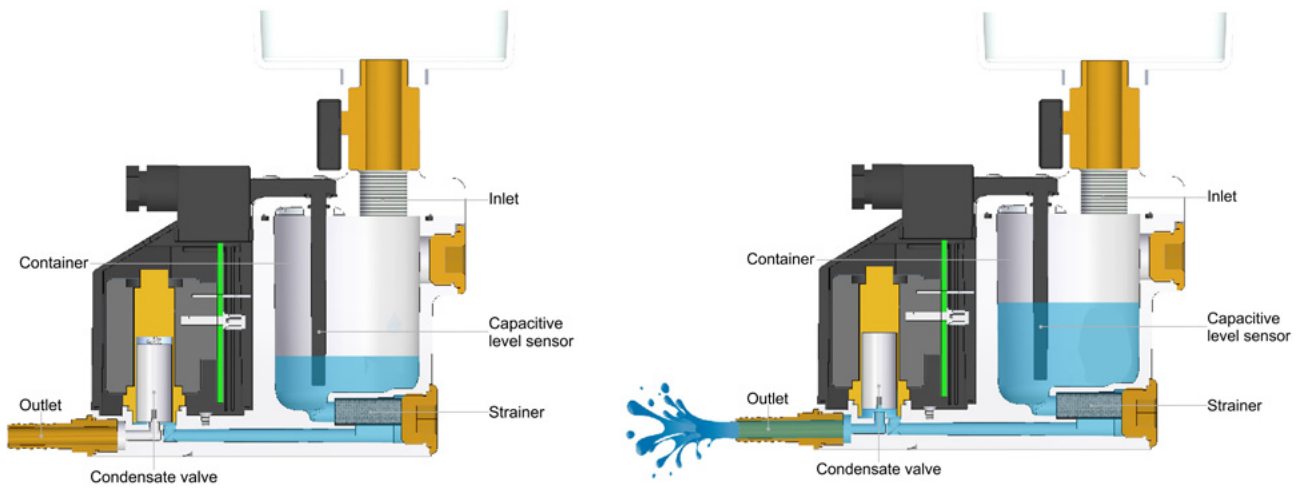
- Alarm function (NO or NC)
- No blockage of condensate due to large orifice. (also heavily emulsified condensate)
- Integrated strainer
- Visual display of operating status.
- Direct acting valve assembly, ensuring reliable discharge operation.
- Very few moving parts
- No electronic card damage. Card in separate chamber not above condensate.
- Economical repair kit

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NORMAL WORKING PROCEDURE

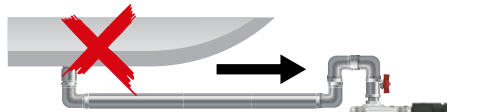
- Condensate is passed through inlet into container.
- Condensate will fill container chamber.
- Once condensate set limit has been reached, measured by level sensor, condensate valve will open allowing condensate to pass through strainer and escape through outlet.
- When minimum condensate level is reached in container the level sensor will shut the condensate valve for cycle to repeat.

SPECIFICATIONS

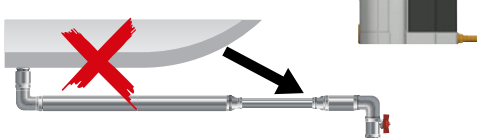
Maximum compressor capacity:	100m ³ /min.	Supply voltage options:	230 VAC / 115 VAC
Min./max. system pressure:	0 bar / 16 bar		24 VAC / 24 VDC
Valve type:	2/2 way, direct acting	Serviceable valve:	YES
Valve orifice:	4.0 mm	TEST feature:	YES
Valve seals:	FPM	Environmental protection:	IP65 (NEMA4)
Inlet connection:	1/2" (BSP or NPT)	Integrated mesh strainer:	YES
Outlet connection:	1/4" (BSP or NPT)	Alarm contact options:	Alarm normally closed (NC)
Inlet height:	11cm(top) & 1.5 & 7.5cm(side)		Alarm normally open (NO)

INSTALLATION DIAGRAM

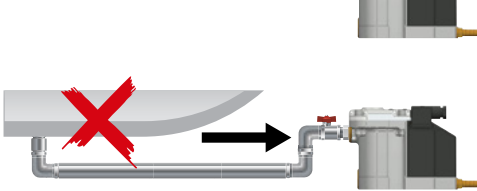
Avoid water pockets when installing the feed pipe, this will create an air lock.



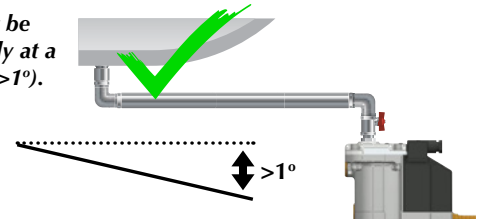
Do not narrow the feed pipe when installing additional adapters or piping, these may cause air locks.



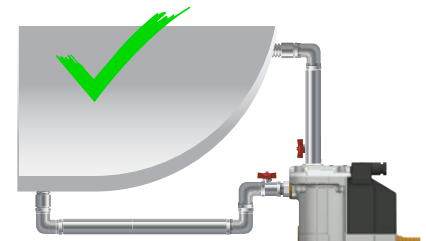
If the downwards slope of the feed pipe is not sufficient, or if any other flow problem occurs, a venting line must be installed to prevent an air lock.



The feed pipe must be horizontal or ideally at a downwards slope (>1°).



We advise to apply a 1/2" pipe diameter and 1/2" elbows to avoid an air lock.



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