

# SCD



## Sullair SCD Range of Condensate Drains

Reliable, energy efficient removal of compressed air condensate.

### *The simple, economic solution*

The Sullair SCD electronic level sensing drains detect and discharge only when condensate is present. Intelligent operation always ensures no compressed air will be lost.

The Sullair SCD condensate drains are clearly the most economical solution because they do not release valuable compressed air. The simple, reliable drains have no mechanical sensor parts.

Intelligent capacitive sensing works with all types of compressed air condensates, including 100% oil, 100% water or any level of emulsification.

The range of SCD condensate drains will even work with oil-free condensates because they are internally and externally corrosion protected. Operation is completely automatic and no adjustment for pressure is required.

The Sullair SCD condensate drains are the reliable, easy to install, cost effective solution for condensate removal, with a model to suit every system or application.

### *The benefits are obvious:*

- Removes liquid condensate efficiently.
- Saves valuable compressed air.
- Removes risk of condensate carryover and protects downstream equipment and processes.
- Long service intervals with safe, easy maintenance.

### *The Range*

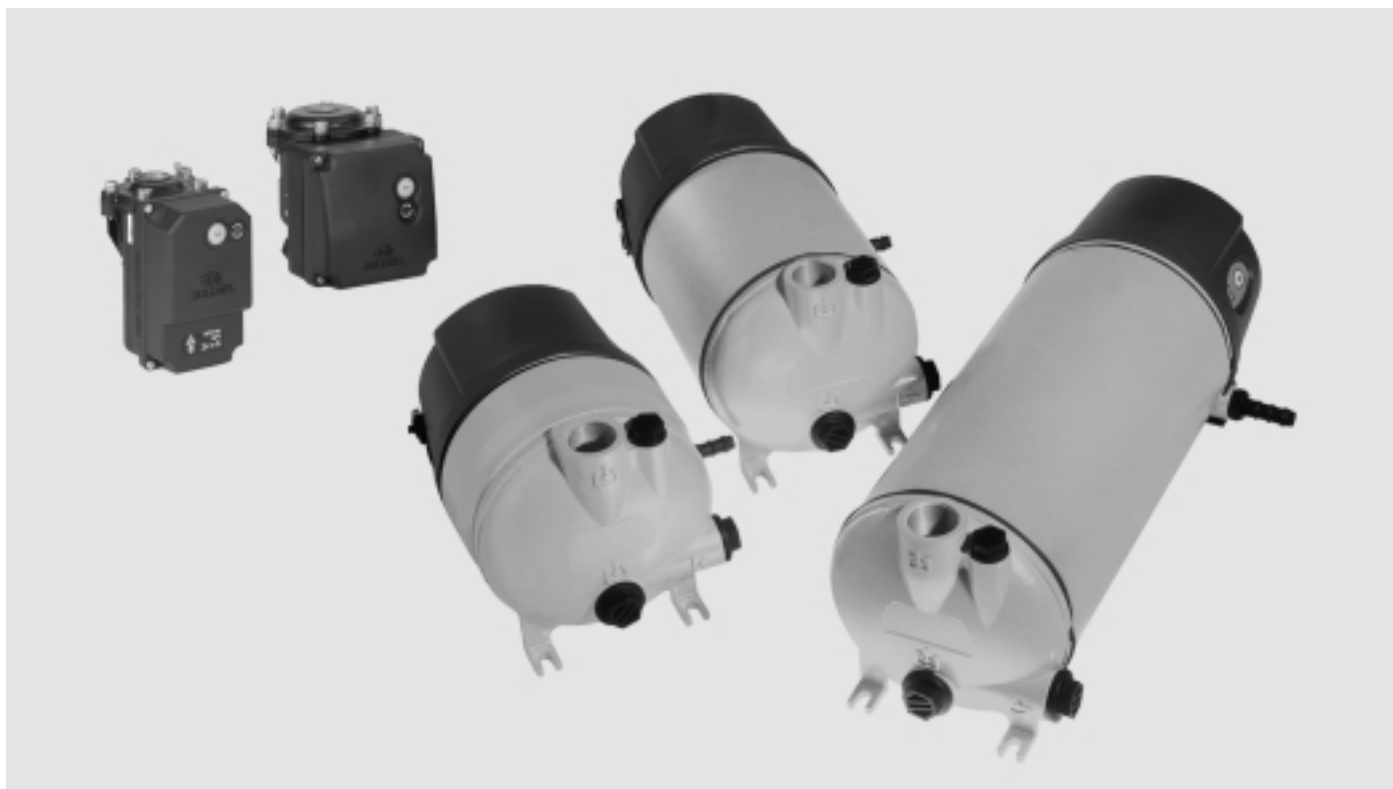
SCD-100 and SCD-200  
Designed as stand alone drains and to complement the Sullair filters, water separators and small refrigeration dryers.

SCD-300, SCD-400 and SCD-500

Designed for higher condensate volumes as seen with compressor intercoolers, aftercoolers, air receivers, refrigeration dryers and large water separators.

### *Standard Features—all models*

- Intelligent sensing system—operates with all levels of condensate from 100% oil to 100% water.
- Maximum corrosion protection—standard models are suitable for all compressor types, including oil-free condensate.
- IP65/NEMA 4 Ingress Protection Rating.
- Large inlet connections—prevent blockage and air locks when using single, top-entry piping.
- Consistently rated electrical components increase reliability.
- Suitable for use in tropical climates.
- Remote alarm facility—indicates blockage, overflow and power loss.



# Sullair SCD Range Condensate Drains

## Product Selection, Specifications and Options

### PRODUCT SELECTION

SCD Model	Compressors	Filters	Dryers
SCD-100	185 cfm	423 cfm	423 cfm
SCD-200	370 cfm	846 cfm	846 cfm
SCD-300	1060 cfm	2424 cfm	2424 cfm
SCD-400	4592 cfm	10497 cfm	10497 cfm
SCD-500	6004 cfm	13724 cfm	13724 cfm

Note: sizing based on maximum operating conditions of:

- Ambient Temperature: 77°F
  - Relative humidity at compressor inlet: 65%
  - System Pressure: 102 psig
  - Refrigeration dryer dewpoint: 36°F
  - Discharge Temperature: 95°F
- (For all other conditions consult your Sullair sales representative)

### SPECIFICATIONS

Model	Overall	Length	Width	Weight
SCD-100	4.6"	2.9"	4.6"	2 lbs
SCD-200	4.5"	3.9"	5.4"	2 lbs
SCD-300	5.6"	7.3"	5.5"	7 lbs
SCD-400	5.6"	10.2"	5.5"	9 lbs
SCD-500	5.6"	14.6"	5.5"	11 lbs

Model	Connections		Voltage AC (available 230/1/60)		Fuse Rating
	inlet	hose outlet	single phase	tol.	
SCD-100	1 x 1/2" NPT 1 x 1/4" NPT	5/16" hose	115/1/60	±10%	3A
SCD-200	2 x 1/2" NPT 1 x 3/4" NPT	5/16" hose	115/1/60	±10%	3A
SCD-300	2 x 1/2" NPT 1 x 3/4" NPT	3/8" hose	115/1/60	±10%	3A
SCD-400	2 x 1/2" NPT 1 x 3/4" NPT	3/8" hose	115/1/60	±10%	3A
SCD-500	2 x 1/2" NPT 1 x 3/4" NPT	3/8" hose	115/1/60	±10%	3A

Model	Operating Pressure		Operating Temp.	
	min	max	min.	max.
SCD-100	29 psig	232 psig	36°F	150°F
SCD-200	29 psig	232 psig	36°F	150°F
SCD-300, -400 and -500	29 psig	232 psig	36°F	150°F

### Combination Valve, Strainer and Union for drain installation

Part Number	Connection
02250114-841	1/2" NPT
02250114-843	3/4" NPT

Sullair is committed to a program of continuous improvement. Features and specifications may change without notice. Consult your Sullair representative or authorized Sullair distributor.



[www.sullair.com](http://www.sullair.com)

SULLAIR CORPORATION, 3700 E. Michigan Blvd., Michigan City, IN 46360 Telephone: 1-800-SULLAIR or 1-219-879-5451

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