

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

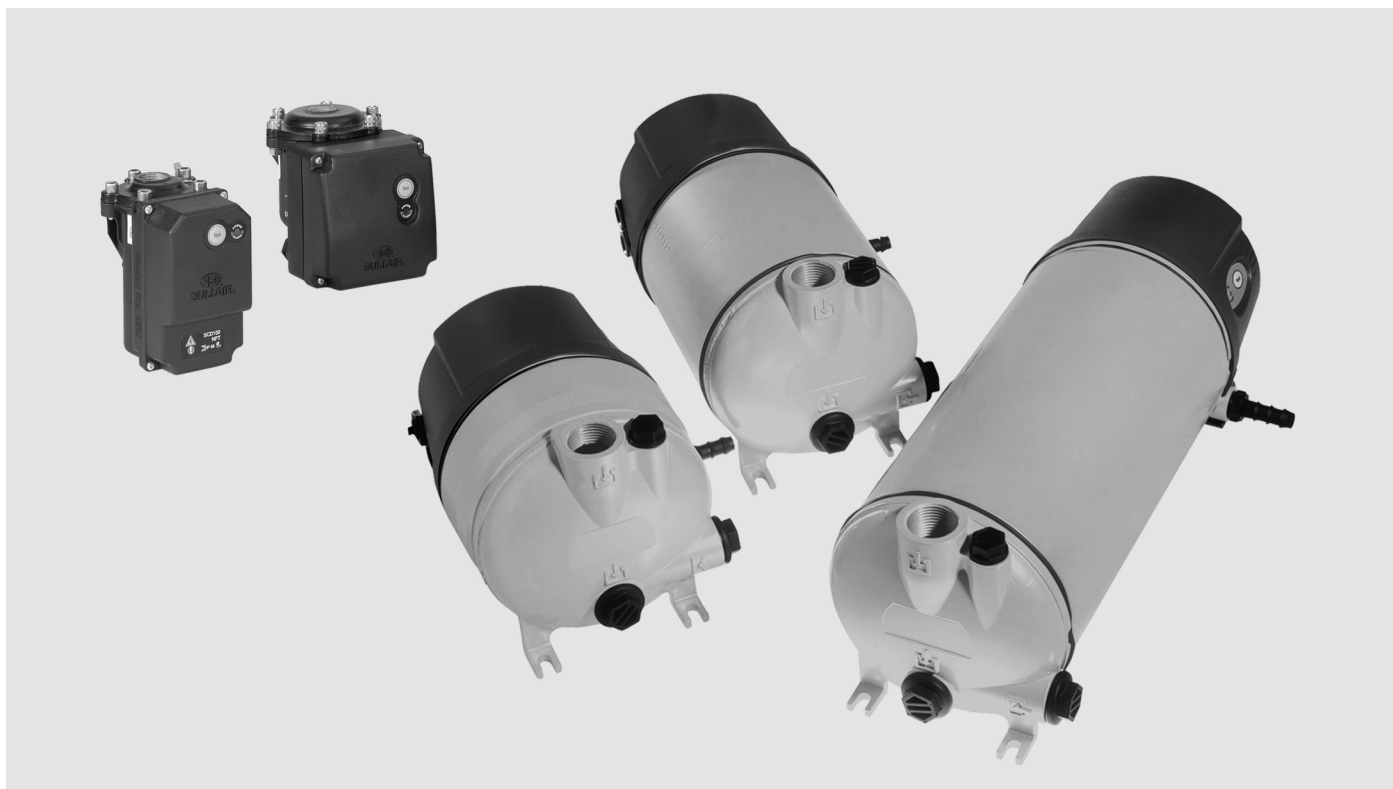
SCD-100 and SCD-200
Designed as stand alone drains and to complement the Sullair filters, water separators and small refrigeration dryers.

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

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

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CR03E 0706R7.5 Specifications subject to change without notice. © Copyright 2007 Sullair Corporation. All rights reserved.