Searle DSR dual discharge cooler

RELIABLE, AFFORDABLE ENGINEERING

Your benefits:
- The DSR range from Kelvion are ceiling mounted dual discharge coolers: With low profile and low air velocity, they have been designed for cold rooms, laboratories, food preparation areas and are available for either low or high temperature applications.
- The revolutionary design combines compactness with efficiency: The range calls on the experiences and designs of previous Searle coolers and provides the opportunity for close temperature control, with minimum energy demands from a compact, unobtrusive unit.
- Enhanced standard DSR range for CO₂ refrigeration applications. Utilising the same coil configuration as other Kelvion unit coolers, such as the KME and KEC, the DSR is the ideal solution for compact dual discharge CO₂ applications. Factory tested to 1.43 x the rated maximum pressure to ensure the DSR is safe and leak free prior to delivery.
- Eurovent certify-all: Independent certification for thermal performance, power consumption, sound data and unit air volumes for standard products under scheme limits.

Capacity range:
- HFO/HFK 1.25 kW - 15 kW
  - $t_1=0°C$ | $t_0=-8°C$ | $DT=8K$ [SC2] | R404A
- 1.2 kW - 13 kW
  - $t_1=0°C$ | $t_0=8°C$ | $DT=8K$ [SC2]
### DIMENSIONS

![Diagram of dimensions](image-url)

- Ø 305 mm
- IP44
- 1 phase
- 50 & 60 Hz

### MATTERLALS

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>TUBE</th>
<th>FINS</th>
<th>CASING</th>
<th>END PLATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper (Cu)</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminium (Al)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminium Epoxy (AV)</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Galvanised Steel</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

☑️ Standard | ✓ Available as a variant

### FANS

- AC Standard
- Ø 305 mm
- IP44
- 1 phase
- 50 & 60 Hz

### HEAT EXCHANGE

- Fin Type: D, E
- Tube Diameter: [in mm]
  - D = 12 | E = 9.5
- Standard Fin spacing: [in mm]
  - 3 | 4 | 5 (CO2 only) | 6
- Fin Enhancements: Light Ripple

### DEFROST

<table>
<thead>
<tr>
<th>DEFROST</th>
<th>FAN</th>
<th>COIL</th>
<th>DRIP TRAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Electric</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Heavy Electric</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hot gas</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

### VARIANTS & ACCESSORIES

- Condensate Pump With Remote Sensor
- Heater kits
- Fans
- ‘U’ Bends
- Model options: DSR-LP, DSR-MP, DSR-LX, DSR-MX, DSR-HX

### MATERIALS

- Selection and Pricing can be performed on the Searle Selection software which can be downloaded from our website www.kelvion.com

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