SYJ SERIES

SIGHT GLASS

Sight glasses are installed after the filter drier in liquid line of refrigerating systems, in order to observe property changes of the refrigerant (liquid/vapor) and to indicate the moisture level by colors. All the Sight Glasses listed in this datasheet can be installed in system using flammable refrigerants HFO (categories A2* and A2L*), and Hydrocarbons HC (category A3*).

FEATURES

• HIGH PRECISION COLOR INDICATOR
• INDICATOR PASTED CLOSELY TO THE GLASS TO PREVENT SURFACE CONTAMINATION
• SOLID AND CORROSION RESISTANT BRASS MATERIAL
• GOOD READABILITY DUE TO HIGH CLEAR SIGHT GLASS OF WIDE ANGLE
• SEALING OF LOW CREEP PTFE TO ENSURE LEAKAGE FREE PERFORMANCE
• NEW ANNUAL HUMIDITY COLOR INDICATOR, FULL PORT PASSAGE WITH LOW PRESSURE DROP

GENERAL SPECIFICATIONS

• Applicable for HC, HFC/HFO, HFO refrigerants\(^*\) such as: R22, R134a, R404A, R407A/C/F, R410A, R507A, R448A, R449A, R450A, R452A, R513A, R32, R1234yf, R1234ze(E), R454A/B/C, R455A, R290, R1270, R600a, R744
• Ambient temperature min./max.: -50°C / +80°C
• Medium temperature T5 min./max.: -50°C / +80°C
• Max. operating pressure PS: 4.5 MPa (46 bar)

• Installation position:
  - Liquid and suction line
  - Preferably in vertical lines, recommended position for horizontal lines are upwards without inclination in any direction
• Declaration according to PED (all products have been covered by Art.4.3 PED Directive 2014/68/EU)

Note: *according ANSI/ASHRAE 34-2016 and EN·378-1 ANNE EN 378-1:2016 Annex E
1) This datasheet shows models applicable for usage with fluids GROUP 1 according to Directive 2014/68/EU or GROUP A3/A2L according to ANSI/ASHRAE 34-2016 considering safety aspects and legislation. Performance data (moisture indication limits for each specific refrigerant) – on request.
**SYJ SERIES**

**SIGHT GLASS**

**SYJ: version with Solder Connections, MOP 46 bar**

<table>
<thead>
<tr>
<th>Model Series</th>
<th>Model Name (multi package)</th>
<th>Part Number</th>
<th>Connection Type</th>
<th>Dimensions &amp; Weight</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td>10285007102</td>
<td>ODF x ODF solder</td>
<td></td>
</tr>
<tr>
<td>SYJ6</td>
<td>SYJ06H12</td>
<td>10285007002</td>
<td>1/4</td>
<td>L: 101 mm, H: 24 mm, H1: 14 mm, Weight: 100 g</td>
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<td>SYJ6</td>
<td>SYJ06H11</td>
<td>10285007202</td>
<td>3/8</td>
<td>L: 119 mm, H: 24 mm, H1: 14 mm, Weight: 100 g</td>
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<td>SYJ10H12</td>
<td>10285007302</td>
<td>-</td>
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<td>SYJ12H11</td>
<td>10285006902</td>
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<td>SYJ12H12</td>
<td>10285007402</td>
<td>-</td>
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<td>SYJ16H11</td>
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<td>SYJ19H11</td>
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<tr>
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<td>SYJ22H11</td>
<td>10285007702</td>
<td>7/8</td>
<td>L: 173 mm, H: 37 mm, H1: 21 mm, Weight: 300 g</td>
</tr>
</tbody>
</table>

1) Available also as industrial package. Contact Sanhua for more details.

"Drawing A"