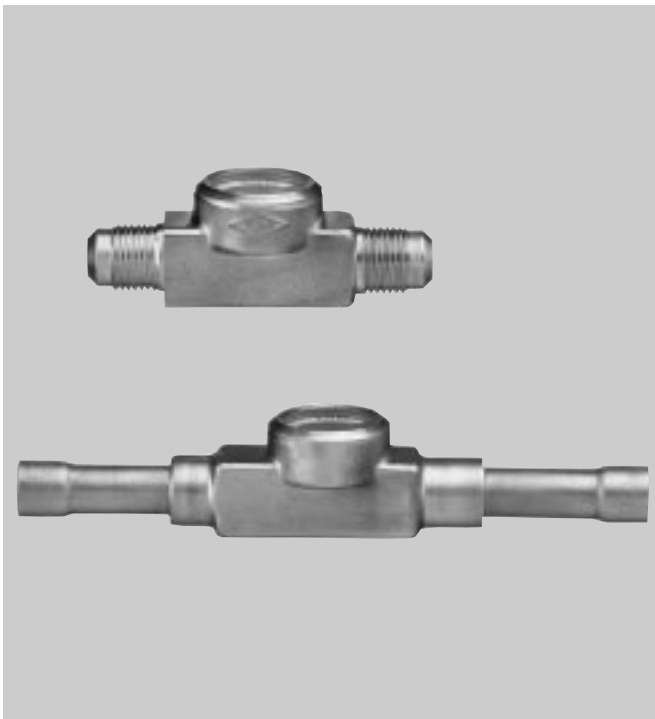


Series SLI / SBI

Sight glasses with moisture indicator

Specification-Data



Specification

- Type SBI with flare connections on both sides.
- Type SLI with solder connections. Copper tube with expanded ends soldered to both sides.
- Type SBla with internal thread on the one side and male flare connection on the other.
- Body made out of hot pressed brass with pressure resistant glass.
- Large display area and practically no pressure loss for the cooling agent flow.
- Maximum admissible pressure 40 bar / 580 psig.
- Maximum admissible temperature 80°C / 170°F.

Installation

Mainly in front of the expansion valve, but after the refrigerant drier. It is also recommended to install the unit at critical points in the liquid line where bubbles may be formed.

ATTENTION: Protect sight glass against overheating when soldering the connection tubes.

Application

Sight glasses show the condition of the liquid refrigerant flow during the operation of the installation, i.e. it is possible to see whether the cooling agent in the liquid line is free of bubbles.

These bubbles mainly occur in the case of refrigerant deficiency or missing subcooling. The indicator also shows any moisture content in the cooling agent.

Honeywell sight glasses may be used with all fluoro-carbon-based refrigerants. (except R12).

Moisture Indicator

The new developed indicator may be used with all old (except R12) and alternative refrigerants.

Indicator range / endpoint of reaction of the new indicator paper (values in ppm at $t = 30^{\circ}\text{C}$)

Refrigerant	dry (green)	Transition	wet (yellow)
R 22	< 30	30 – 150	> 150
R 134 a	< 60	60 – 100	> 100
R 404 A	< 20	20 – 100	> 100
R 507	< 20	20 – 100	> 100
R 407 C	< 20	20 – 130	> 130

GREEN: moisture-free refrigerant warranting that disturbances caused by moisture will not occur at the expansion valve. When the green colour weakens there is a risk of presence of small moisture quantities. It is recommended to exchange the drier.

YELLOW: refrigerant contains moisture. Exchange of the drier required.

Due to the humidity in the air, the indicator is yellow on delivery. Following installation, the colour will change to green, after the system has been filled with dry refrigerant.

The indicator paper is fixed to the edge of the glass.

Type	Dimensions									
	male flare on both sides			female x male flare			solder connection ODF		length overall	glass Ø
	UNF	mm	Inch	UNF	mm	Inch	mm	Inch	mm	mm
SBI 6	7/16"	6	–						70	22.5
SBI 10	5/8"	10	3/8						76	22.5
SBI 12	3/4"	12	–						88	22.5
SBI 16	7/8"	16	5/8						98	22.5
SBIa 6				7/16"	6	–			60	22.5
SBIa 10				5/8"	10	3/8			76	22.5
SBIa 12				3/4"	12	–			74	22.5
SBIa 16				7/8"	16	5/8			78	22.5
SLI 6							6	–	106	22.5
SLI 10							10	3/8	119	22.5
SLI 12							12	–	144	22.5
SLI 15							15	5/8	146	22.5
SLI 16							16	5/8	146	22.5
SLI 18							18	–	183	22.5
SLI 22							22	7/8	183	22.5

All data provided in this literature is subject to change without notice.

Honeywell cannot be held responsible for incorrect information contained therein.

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