

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 ANNULAR HUMIDITY COLOR INDICATOR. FULL PORT PASSAGE WITH LOW PRESSURE DROP

GENERAL SPECIFICATIONS

- Applicable for HC, HFC/HFO, HFO refrigerants¹⁾ 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 TS min./max.: -50°C / +80°C
- Max. operating pressure PS: 4,6 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.

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SYJ: version with Solder Connections, MOP 46 bar

General Characteristics										
Model Series	Model Name	Part Number (multi package) ¹⁾	Connection Type [inch]	Connecting dimensions $\varnothing d$		Dimensions & Weight				
				[inch]	[mm]	L	H	H1	Weight	Drawing
						[mm]	[mm]	[mm]	[g]	
SYJ6	SYJ06H12	10285007102	ODF x ODF solder	-	6	101	24	14	100	A
SYJ6	SYJ06H11	10285007002		1/4	-	101	24	14	100	
SYJ10	SYJ10H11	10285007202		3/8	-	119	24	14	100	
SYJ10	SYJ10H12	10285007302		-	10	119	24	14	100	
SYJ12	SYJ12H11	10285006902		1/2	-	146	30	17	200	
SYJ12	SYJ12H12	10285007402		-	12	146	30	17	200	
SYJ16	SYJ16H11	10285007502		5/8	16	146	30	17	200	
SYJ19	SYJ19H11	10285007602		3/4	-	173	37	21	300	
SYJ22	SYJ22H11	10285007702		7/8	22	173	37	21	300	

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

