

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.

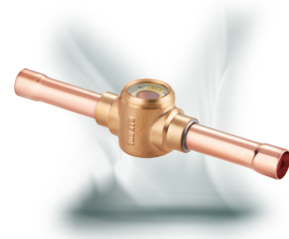


FEATURES

- 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
- HIGH ADAPTABILITY OF REFRIGERANTS
- NEW ANNULAR HUMIDITY COLOR INDICATOR. FULL PORT PASSAGE WITH LOW PRESSURE DROP

GENERAL SPECIFICATION

- Applicable for all common HCFC, HFC, HC, HFO refrigerants such as: R22, R134a, R404A, R407C, R410A, R507, R407A/F, R1234ze
- Ambient temperature min./max.: -30°C / +60°C
- Medium temperature TS min./max.: -50°C / +80°C
- Max. operating pressure PS: 4,6 MPa (46 bar)
- Certifications: UL and PED declaration



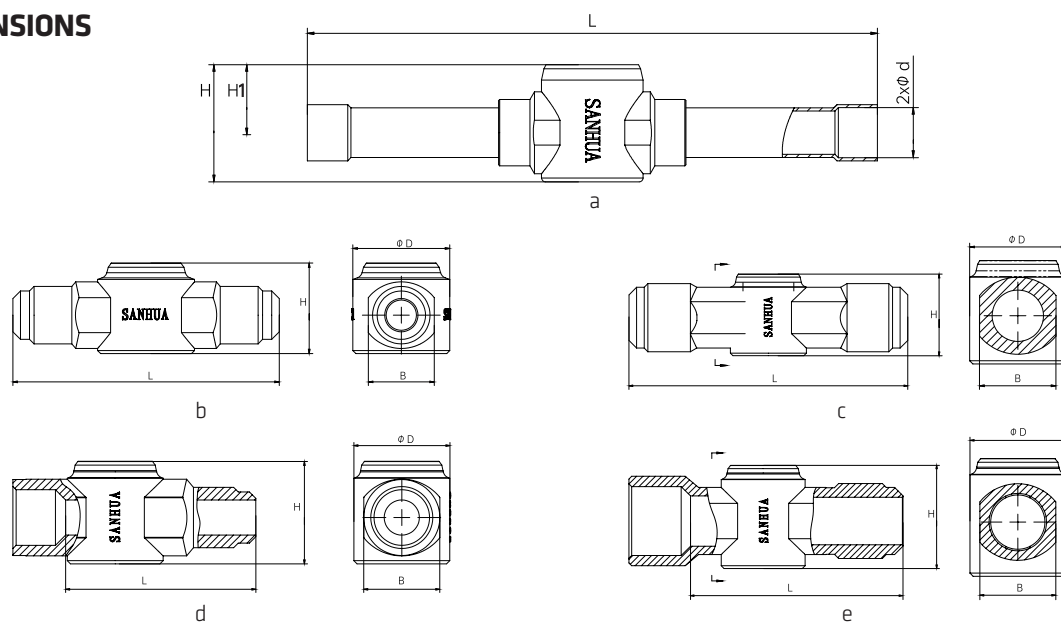
Drawing	Model Series	Connection Type	Connecting dimensions		Model Name
			[inch]	[mm]	
	SYJ6	Solder ODF×ODF	-	6	SYJ06H12
	SYJ6		1/4	-	SYJ06H11
	SYJ10		3/8	-	SYJ10H11
	SYJ10		-	10	SYJ10H12
	SYJ12		1/2	-	SYJ12H11
	SYJ12		-	12	SYJ12H12
	SYJ16		5/8	16	SYJ16H11
	SYJ19		3/4	19	SYJ19H11
	SYJ22		7/8	22	SYJ22H11
	SYJ6	Flare M×M	1/4	-	SYJ06L11
	SYJ10		3/8	-	SYJ10L11
	SYJ12		1/2	-	SYJ12L11
	SYJ16		5/8	-	SYJ16L11
	SYJ19		3/4	-	SYJ19L11
	SYJ6	Flare F×M	1/4	-	SYJ06L41
	SYJ10		3/8	-	SYJ10L41
	SYJ12		1/2	-	SYJ12L41
	SYJ16		5/8	-	SYJ16L41
	SYJ19		3/4	-	SYJ19L41

MOISTURE INDICATION LIMITS

Refrigerants	Moisture Content: ppm					
	25°C			43°C		
	Green/Dry	Middle Color	Yellow/Wet	Green/Dry	Middle Color	Yellow/Wet
R22	< 100	100 ~ 200	> 200	< 140	140 ~ 350	> 350
R134a	< 90	90 ~ 180	> 180	< 120	120 ~ 330	> 330
R404A	< 40	40 ~ 100	> 100	< 80	80 ~ 160	> 160
R410A	< 90	90 ~ 300	> 300	< 200	200 ~ 580	> 580
R507	< 15	15 ~ 90	> 90	< 80	80 ~ 170	> 170
R407C	< 120	120 ~ 280	> 280	< 100	100 ~ 260	> 260



DIMENSIONS



Model Series	Connection Type	L	H	H1	φD	B	Weight	Drawing
	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[g]	
SYJ6	Solder ODF×ODF	101	24	14	-	-	100	a
SYJ6		101	24	14			100	
SYJ10		119	24	14			100	
SYJ10		119	24	14			100	
SYJ12		146	30	17			200	
SYJ12		146	30	17			200	
SYJ16		146	30	17			200	
SYJ19		173	37	21			300	
SYJ22		173	37	21			300	
SYJ6	Flare M×M	67	24	-	27	14	110	b
SYJ10		82	30		32	22	240	
SYJ12		88	30		32	22	240	
SYJ16		104	32		30	24	320	
SYJ19		110	32		30	24	340	c
SYJ6	Flare F×M	46	30	-	32	22	200	d
SYJ10		57	30		32	22	240	
SYJ12		60	32		30	24	250	
SYJ16		72	37		30	24	320	
SYJ19		76	37		30	24	330	e