Model SGN Sight Glass



Product Description

- Both Model SGN sight glass is used on the liquid piping
 of the refrigeration and air conditioning unit to indicate the flow condition of the
 refrigerant, water cut of the refrigerant and lubricant oil flow condition of the oil
 return piping on the oil separator.
- Model SGN sight glass and is equipped with one moisture
 indicator, which will change color to indicate the water cut in the refrigerant.
- Model SGR sight glass is used to indicate the level of the refrigerant in the liquid drum and the lubricant oil level in the compressor crankcase.
- -The modified PTFE sealing is used in bothModel SGN sight glass and Model SGR sight glass, which is applicable to various refrigerants and oils with perfect sealing performance. The structure of both Model SGN sight glass and Model SGR sight glass is an explosion-proof press fit and the viewing glass is clear and safety.

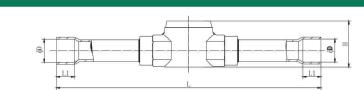
Applicable Refrigerant:	HCFC and HFC
Applicable Medium Temperature:	-40°C~+80°C
MAX.Working Pressure	4.5MPa
MAX. Compression Pressure	6.8MPa
Yearly Leakage of Refrigerant	≤2g R22/a

Note: For the fully enclosed compressor, generally the allowable water cut is in a range 30~75ppm, but for other types of compressor, the water cut will be higher slightly. For an effective protection, it is necessary to monitor the indicator carefully and replace the drier immediately if the color is changed into yellow.

Features	
Model SGN	Model SGR
Be applicable to HCFC/HFC refrigerants.	Be applicable to HCFC/HFC
Indicate high water cut in system if any.	refrigerants.
Indicate no overcooling in refrigerant liquid.	Indicate the liquid level in the liquid
• Indicate insufficient charging of refrigerant if	drum.
any.	Indicate the oil level in the
Both welded and threaded connections are	compressor crankcase.
available.	NPT threaded connection.

Model of Welded Connection		Model of Threaded Connection		
SGN-1/4 ODF	1/4(Ф6)	SGN-1/4 SAE	1/4 SAE	
SGN-3/8 ODF	3/8(Ф10)	SGN-3/8 SAE	3/8 SAE	
SGN-1/2 ODF	1/2(Φ12)	SGN-1/2 SAE	1/2 SAE	
SGN-5/8 ODF	5/8(Ф16)	SGN-5/8 SAE	5/8 SAE	
SGN-3/4 ODF	3/4(Φ19)	SGN-3/4 SAE	3/4 SAE	
SGN-7/8 ODF	7/8(Ф22)	SGN-3/4NPT	3/4NPT	
SGN-1 ¹ / ₈ ODF	1 ¹ / ₈ (Φ28)	SGR-G3/4	G3/4	

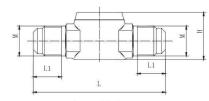
L	Water Cut(ppm)					
			25℃		43°C	
	Green/DRY	Medium Color	Yellow/WET	Green/DRY	Medium Color	Yellow/WET
R22/R502	<30	30~120	>120	<50	50 ~ 200	>200
HFC-134a	<30	30~100	>100	<45	45~170	>170
R404a	<20	20~70	>70	<25	25 ~ 100	>100
R407c	<30	30~140	>140	<60	60~225	>225
R507	<15	15~60	>60	<30	30~110	>110



Soldering	type	sight	glass

Model	Ĺ	L1	D	н
SGN-1/4 ODF	102	7	6.5	21.5
SGN-3/8 ODF	119	8	10.1	22.5
SGN-1/2 ODF	146	10	12.8	26.5
SGN-5/8 ODF	152	14	16.1	29.5

Model				
SGN-3/4 ODF	167	16	19.2	35
SGN-7/8 ODF	173	17	22.2	39
SGN-1-1/8 ODF	216	20	28.7	44.5



Flare type sight glass

64

70

75

80

90

13

15

16

18

20.5

21.5

25

26.5

29.5

35

7/16-20UNF

5/8-18UNF

3/4-16UNF

7/8-14UNF

1-1/16-14UNS

SGN-1/4 SAE

SGN-3/8 SAE

SGN-1/2 SAE

SGN-5/8 SAE

SGN-3/4 SAE

Li	L L2
M/F	flare type sight glass

Model		L1	L2		Thread F/M
SGN-1/4-MF	60	8.5	12	25	7/16-20UNF
SGN-3/8-MF	68	11	15	31.5	5/8-18UNF
SGN-1/2-MF	70	11.5	16	34.5	3/4-16UNF
SGN-5/8-MF	78	13	18	38	7/8-14UNF

HONGSEN REFRIGERATION A/C SYSTEM ACCESSORIES