

# SIGHT GLASS SERIES SYJ INSTRUCTIONS



Sight glasses are installed after the filter drier in liquid line of refrigeration and air conditioning systems, in order to observe property changes of the refrigerant (liquid/vapor) and to indicate the moisture level by colors.



## GENERAL SPECIFICATIONS

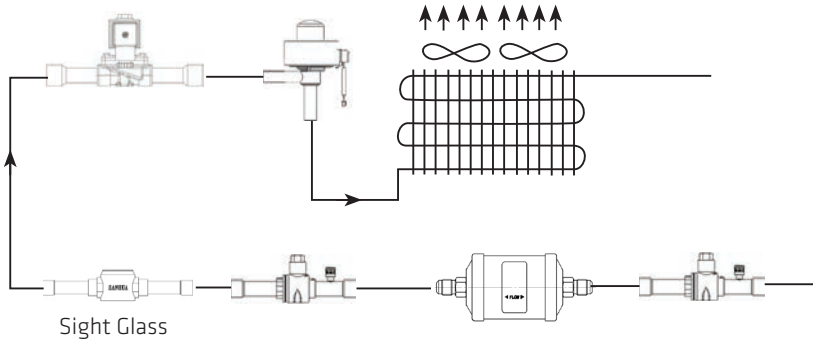
Applicable to fluids and refrigerants of GROUP 2 according to Directive 97/23/CE (29 May 1997) or GROUP A1 according to ANSI-ASHRAE 34-2010.


ERC

**Temperature Range (TS):** -58°F to +176°F (-50°C to +80°C)  
**Design Pressure (PS):** 667 psi (45 bar)

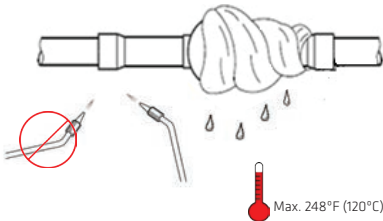
## INSTALLATION INSTRUCTIONS: SIGHT GLASS SERIES SYJ

- 1 Sight Glass must be installed in the liquid line before the Thermostatic valve.



- 2 Braze the sight glass using specific alloy (SilFos 15). Use a wet rag on sight glass during the brazing process. 

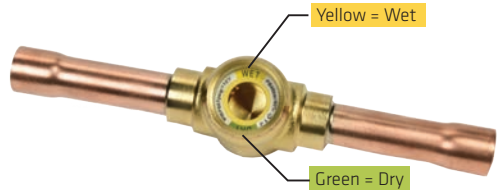
- 3 Tighten the thread connection respecting the maximum torque values in the table 1. ATTENTION: use a wrench as shown in the picture.



Size (in)	Torque	
	(Nm)	(Lbf.ft)
1/4	12 ~ 17	9 ~ 13
3/8	30 ~ 35	22 ~ 26
1/2	40 ~ 45	30 ~ 33
5/8	50 ~ 55	37 ~ 41
3/4	60 ~ 65	44 ~ 48



- 4** Check the color of humidity sensor: if it is green the humidity level is acceptable. If it is yellow the humidity level is too high: filter dryer must be replaced.



## ADDITIONAL LANGUAGES

Step	Español	Français
1	El visor de líquido debe instalarse en la línea de líquido antes de la válvula termostática.	Le voyant liquide doit être installé sur la ligne liquide avant la vanne d'expansion.
2	Soldar el visor usando una aleación específica (SilFos 15). Poner un paño húmedo sobre el visor durante el proceso de soldadura.	Braser les tubes de connection en utilisant un alliage spécifique (type SilFos 15). Placer un chiffon mouillé sur le voyant liquide pendant le brasage.
3	Ajustar las conexiones roscadas respetando los valores máximos como se indican en la Tabla 1. ATENCION: usar dos llaves como se muestra en la figura.	Serrer la connection vissée en respectant le couple maximum recommandé sur la table 1. ATTENTION : utiliser 2 clés pour le serrage comme montré sur le schéma.
4	Comprobar el color del indicador de humedad: si es verde, el nivel de humedad es aceptable. Si es amarillo el nivel de humedad es demasiado elevado: el filtro secador debe cambiarse.	Vérifier la couleur de l'indicateur d'humidité: S'il est vert, le degré d'humidité est acceptable. S'il est jaune, le degré d'humidité est trop haut, le filtre déshydrateur doit être remplacé.

## TECHNICAL SUPPORT

For additional technical information and to learn more about Sanhua's full product line, please visit [sanhuausa.com](http://sanhuausa.com).

**North America Customer Support: 614.873.7400**

Technical information  
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II-SVJ-MU-R1604-NA

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