

**Introduction and Overview**

Danfoss sight glasses are designed to accurately indicate the presence of moisture in refrigeration and air-conditioning systems. When system moisture content rises above permissible levels, the “dry/green” indicator will change to yellow indicating a “wet” system. The indication of dangerous moisture levels is essential in helping prevent the formation of harmful acids which are detrimental to the system.



Danfoss offers two types of sight glasses; inline and vessel mount. Inline sight glass, type SGN is used in the system’s liquid line to indicate both the condition and moisture content of the refrigerant. They incorporate an indicator which changes color dependent on the moisture content. Type SGN is recommended for all HCFC and HFC refrigerants. Vessel sight glasses, type SGRN are specially designed to be mounted directly on either a receiver or the compressor crankcase to indicate liquid level. Type SGRN are available with a refrigerant moisture indicator which can be used with all fluorinated refrigerants.

**Product Selection**

Type	Version	Connection (in.)	Ambient Temperature (°F)	Maximum working pressure (psig)	Weight (lbs)	Code No.
SGN 6	Flare int. x ext. <sup>1</sup>	¼ x ¼	-60 to 175	500	0.22	<b>014-0137</b>
SGN 10		¾ x ¾		500	0.44	<b>014-0138</b>
SGN 12		½ x ½		500	0.66	<b>014-0139</b>
SGN 6s	ODF x ODF solder	¼ x ¼		500	0.22	<b>014-0142</b>
SGN 10s		¾ x ¾		500	0.22	<b>014-0143</b>
SGN 12s		½ x ½		500	0.44	<b>014-0144</b>
SGN 16s		¾ x ¾		500	0.44	<b>014-0145</b>
SGN 22s		7/8 x 7/8		400	0.44	<b>014-0147</b>
SGRN	NPT	½		500	0.22	<b>014-0006</b>

<sup>1</sup> can be screwed directly onto Danfoss filter drier.