



INSTRUMENTATION

Danfoss SGI / SGN Series

BRAND
Danfoss

SKU
RC_PROD_013

CATEGORY
Instrumentation



OVERVIEW

Danfoss sight glasses (SG, SGI, SGN and the SGR/SGRI/SGRN variants) are standard liquid-line fittings that give fast visual indication of two critical system conditions: refrigerant charge state (bubbles in the liquid line indicate flash gas from undercharge or restriction) and moisture content via a colour-indicating element. The moisture indicator changes colour when moisture in the refrigerant exceeds safe limits — a yellow indication signals that the filter drier must be replaced. Mounted after the filter drier and ahead of the expansion valve, the sight glass is the simplest diagnostic window into system health, and standard practice pairs it with a DML/DCL filter drier.

KEY FEATURES

Instant visual liquid-line check
bubbles indicate flash gas

Colour-change moisture indicator
green (dry) → yellow (wet, replace drier)

Model connection options
SGI: flare connection versions; SGN: solder versions; SGR family with replaceable indicator variants

Flammable hydrocarbon (HC) refrigerants
special versions available under Danfoss special delivery terms

SPECIFICATIONS

PARAMETER	VALUE
FUNCTION	Liquid line inspection + moisture indication
TYPES	SG (plain), SGI/SGN (with indicator), SGR/SGRI/SGRN variants
CONNECTIONS	Flare (int. × ext., ext. × ext.) and solder ODF versions across common line sizes