

# Optimise the visibility and cover higher pressure applications

Danfoss sight glass for higher pressures, type SGP.  
The Danfoss SGP sight glass offers optimal visibility and is designed to cover higher pressure applications with a Maximum Working Pressure up to 52 bar. This means the SGP is also suitable for R410A, R32 & subcritical R744.

## Enhanced light reflection

allows easy viewing  
of refrigerant state.





**SGP**

One product for your various needs

## Higher pressure for various refrigerants

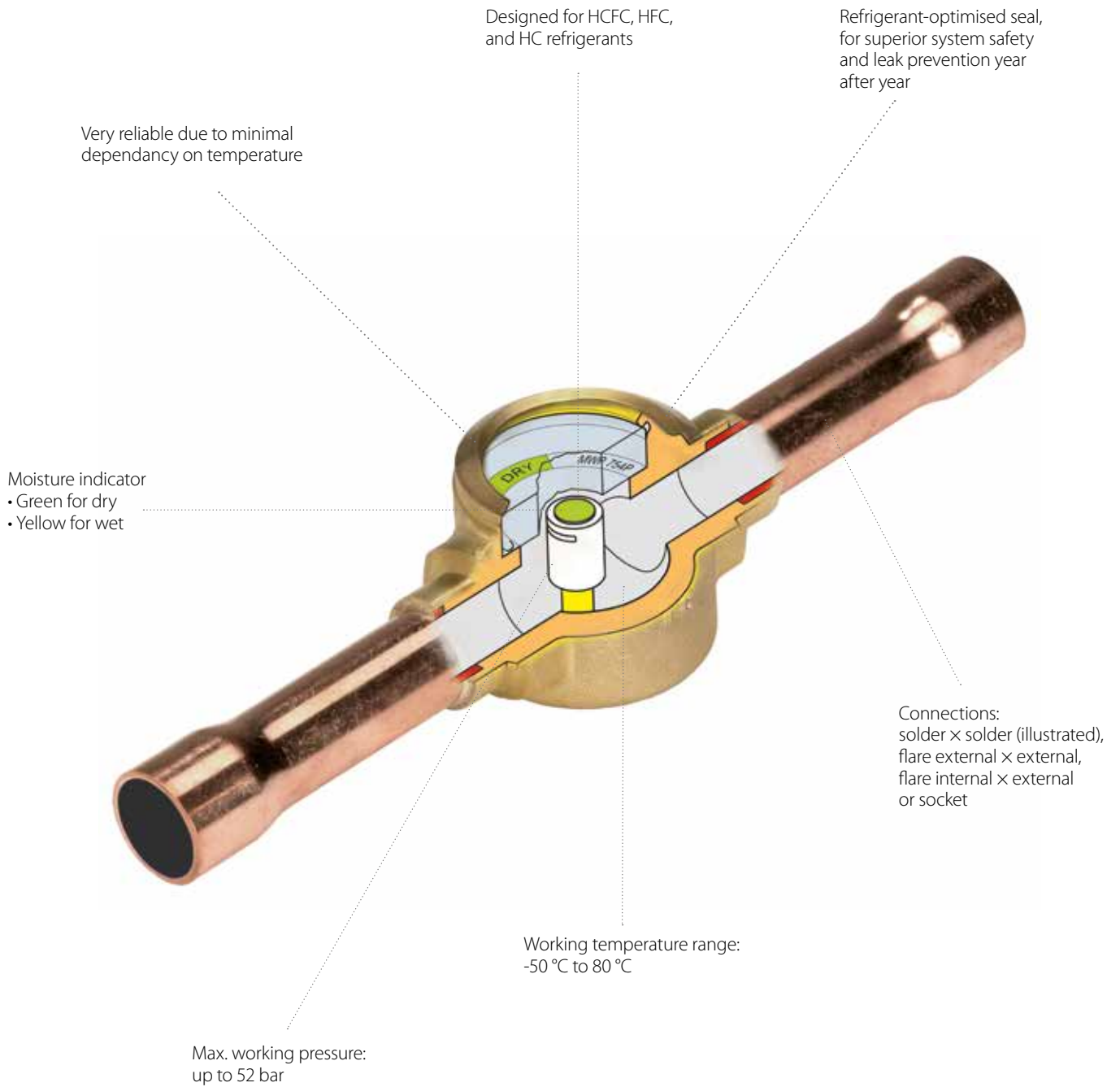
Due to our customers' needs for higher pressure, the Danfoss SGP, a new concept based on a reliable design, is engineered to reach up to 52 bar maximum working pressure.

## One-stop shop

The Danfoss SGP covers the full range of connection types used throughout the entire system, by offering:

- Solder
- Flare
- Socket

# Features



# Moisture values

## SGPI for mineral oil e.g. HCFC refrigerants

	Moisture content ppm = parts per million					
	25°C			43°C		
	Green/ dry	Intermed. color	Yellow/ wet	Green/ dry	Intermed. color	Yellow/ wet
Mineral oil e.g. R22	< 150	150 - 300	>300	< 250	250 - 500	> 500

## SGPN for HCFC and Non-flammable refrigerants

	Moisture content ppm = parts per million					
	25°C			43°C		
	Green/ dry	Intermed. color	Yellow/ wet	Green/ dry	Intermed. color	Yellow/ wet
R22	< 30	30 - 120	>120	< 50	50 - 200	> 200
R134a	< 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
R410A	< 66	66-266	> 266	< 135	135 - 540	> 540

**Note:** For moisture values of other refrigerants, like R32; R744, please contact Danfoss

- Ambient temperature –50 °C to +80 °C
- Max. working pressure PS/MWP = 52 bar

## Applications

Heat Pumps • Residential & Commercial Air Conditioning • Commercial Refrigeration • Food Retail

# **Optimal indicator performance**

**protects your system and  
reduces the risk of compressor  
damage.**

# **52 bar covering your**

**R410A, R32 & subcritical R744  
needs.**

# A world leader in climate and energy technology

The Danfoss Group operates globally with the primary aims of making modern living possible for our stakeholders and being a leader in refrigeration, heating, power electronics, and mobile hydraulics.

We promise leadership in our businesses through reliability, excellence, and innovation – driving true customer satisfaction and solutions in climate and energy.

SGP sight glass is part of the Danfoss line components program which covers a wide range of components used in refrigeration systems.

Our production utilises state-of-the-art technology and every product is thoroughly tested in accordance with the most demanding standards.

**For more information please visit us at [www.danfoss.com](http://www.danfoss.com)**