

# SIGHT GLASSES

The function of a Sight glass is to allow visual inspection of liquid levels.

## Applications

Sight glasses are used in air conditioning and refrigeration systems for both liquid refrigerant and oil applications.

The SG-12 series sight glasses are suitable for HCFC and HFC refrigerants, along with their associated oils.

The SG-10 and SG-11 series sight glasses are suitable for HCFC, HFC and ammonia refrigerants, along with their associated oils.

## Main Features

- Three sight glass lens options- Reflex, Clear and Clear with float ball
- Fused glass hermetic seal

## Technical Specification

Allowable operating pressure = 0 to 68.9 barg

**SG-10 & SG-11 series:**

Allowable operating temperature = -40°C to +120°C

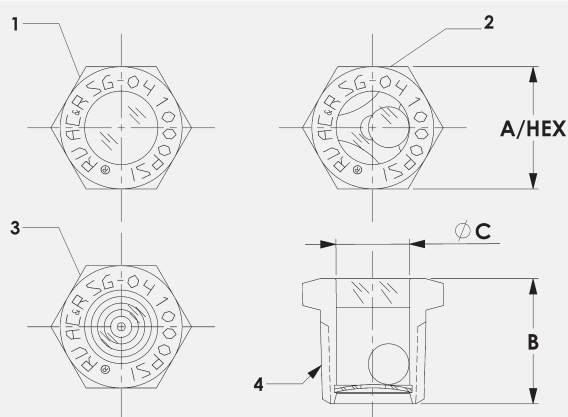
**SG-12 series:**

Allowable operating temperature = -40°C to +120°C



## Materials of Construction

The sight glass consists of a plated steel body with a built-in fused glass lens. The S-12 series is fitted with a stainless steel screen and plastic float ball.



- 1 Clear Lens
- 2 Clear Lens with floating ball
- 3 Reflex Lens
- 4 Thread size

SIGHT GLASSES

Part No			Thread Size (NPT)	Dimensions (mm)			Weight (kg)
Clear	Reflex	*Clear W/Ball		A Hex	B	ØC	
SG-1004	SG-1104	SG-1204	1/2	23.9	24.3	14.3	0.03
SG-1006	SG-1106	SG-1206	3/4	28.4	26.9	19.1	0.06
SG-1008	SG-1108	SG-1208	1	35.1	33.6	23.8	0.12
SG-1010	SG-1110	SG-1210	1 1/4	44.5	35	30.2	0.20
SG-1012	SG-1112	SG-1212	1 1/2	50.8	35.9	33.4	0.29
SG-1016	SG-1116	SG-1216	2	63.5	36.1	41.4	0.46

\*SG-12 Series is not suitable for use with ammonia. \*\*Higher working pressures available on request.

## Installation – Main issues

1. Over-tightening should be avoided to prevent sight glass cracking.