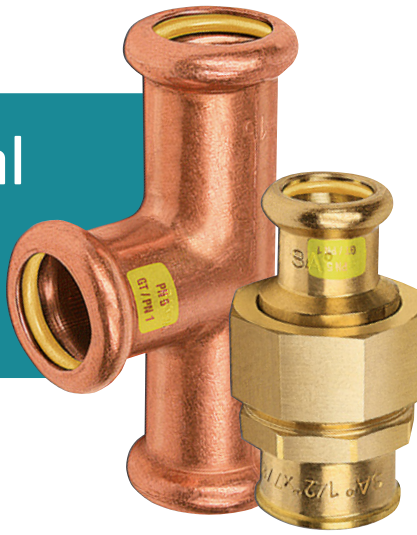


Technical Submittal

SANHA®-Press Gas (10000 & 11000)

SANHA®
a perfect fit



Product Group Description

High-quality system press fittings from copper for copper pipes according to EN 1057.

SANHA®-Press Gas system fittings are made of 99,9% copper, CU-DHP (material number CW 024A) and lead free copper alloy (CW724R). They are mounted with a yellow HNBR (=Hydrogenated Nitrile Butadiene Rubber) sealing rings for gas applications in accordance with EN806, EN 1254/7 (natural and liquid gas) in conjunction with copper pipes in accordance with EN 1057.

Marking

Marking on the fitting: Manufacturer & dimension, approval marking (DVGW), GAS marking GT/PN 1 in yellow

Marking on the packaging: Logo manufacturer (SANHA®), Approval markings (DVGW,..) , quantity, system name (SANHA®-Press Gas), Product type (e.g.elbow)

Press fitting with Leak path feature.

during a leakage test, accidentally left-unpressed connections are quickly discovered. SANHA® warrants the following pressure ranges for the identification of unpressed connections:

Min. air pressure: 10 hPa / 0,1 kPa / 0,01 bar / 0.14 PSI

Max. air pressure: 0.1 MPa / 100 kPa / 1 bar / 14,5 PSI

Sealing Elements

HNBR Yellow (Hydrogenated Nitrile Butadiene Rubber)

Notice: Depending on the operation period and media temperature, the Press fitting system's sealing materials may undergo thermal aging. The sealing material undergoes thermal aging more quickly at higher media temperatures.

When dealing with unique operating circumstances, such as industrial heat recovery systems, it is important to compare the Press fitting system's specifications with those of the appliance manufacturer. Please get in touch with SANHA® if you have any questions about the proper material selection or would like to use the Press fitting system outside of the specified application regions.

Dimensions

All dimensions from 12 to 54 mm are available

Tools / combipress®

SANHA®-Press Gas can be pressed up to 54 mm with SA, M and V original profile. For reason of guarantee, the installer always has to respect the instructions of the manufacturer regarding the use of press tools and press machines; Especially the instructions for the use and combination of tools and machines of different manufacturers. Finally, a common use of the press tools and press machines of different manufacturers is strictly forbidden without the authorization of the respective manufacturers.

Areas of applications

- | Natural gases
- | Technical gases
- | Hydrogen

Any use of the system for media or application areas not listed above requires approval from SANHA®! The product information, available online or in print, contains comprehensive details regarding uses, limitations, and national regulations and guidelines.

Standard of approvals

Press fittings tested in accordance with DVGW Worksheet G260 with DVGW test mark. Approved for d12–54 mm. Press fittings suitable for copper pipes in accordance with EN 1057 and DVGW Worksheet GW 392.

Further certifications and approvals can be found at the website

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Operating conditions

The Press fitting system SANHA®-Press Gas can be used with the following operating conditions:

- | Water and aqueous solutions and technical gases (non-toxic, non-flammable up to 54 mm)
- | Operating pressure: 16 bar
- | Technical gases: 16 bar
- | Flammable and natural gases (according to national regulations): 1 bar
- | Operating temperature with HNBR: -30°C - +100°C
- | Type of thread: Pipe thread:
R/Rp thread according to EN 10226,
- | Fastening thread (union nut):
G thread according to ISO 228 (no flat seal permissible)

Press fitting material

SANHA®-Press Gas fittings and pipes made of 99,9% copper, CU-DHP (material number CW024A) and copper alloy (CW724R). The fittings are resistant against stress corrosion and free from dezincification.

Permitted pipes

For the installation system SANHA®-Press Gas and copper pipes are applicable in the versions soft, half-hard and hard, as long as the quality specifications comply with the table out of EN 1057.

National standards and guidelines relevant to the application must be observed. If other dimensions are needed, please do not hesitate to contact us at technik@sanha.com

Certificates

These certificates can be found at www.sanha.com:

Country	Certifier
Austria	ÖVGW
Belgium	KVVG
Czech Republic	SZU
Denmark	ETA
France	Certigaz
Germany	RAL
Germany	DNV GL
Germany	DVGW
Germany	H2Ready®
Germany	TÜV
Hungary	EMI
The Netherlands	KIWA-GASTEC
The Netherlands	KIWA-Hydrogen
Norway	SINTEF
Poland	INIG
Slovakia	TSU
Switzerland	SVGW
Ukraine	UA
Ukraine	UC
The UK	Kitemark