

# Technical Submittal

## SANHA®-Press [6000]

## PURAPRESS® [8000]

**SANHA®**  
a perfect fit



### Product Group Description

High-quality system press fittings from copper for copper pipes according to EN 1057. SANHA®-Press system fittings are made of 99,9% copper, CU-DHP ( material number CW 024A) and they can ideally combined with our unique PURAPRESS® series 8000 made of completely lead free alloy silicon bronze CW 724R. They are mounted with black EPDM (=ethylene propylene diene monomer) sealing rings for heating and (drink)water applications. The pressing force is located on and behind the seat of the sealing groove.

### Marking

**Marking on the fitting:** Manufacturer & dimension, approval marking (DVGW),

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

### Press fittings 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. water pressure: 0.1 MPa / 100 kPa / 1 bar / 14.5 PSI

Max. water pressure: 0.65 MPa / 650kPa / 6,5 bar / 94,3 PSI

Min. air pressure: 150 hPa / 15 kPa / 150 mbar/ 2,18 PSI

Max. air pressure: 0.3 MPa /300 kPa / 3 bar / 43,5PSI

### Sealing Elements

#### EPDM Black (ethylene propylene diene monomer)

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. Nevertheless, the sealing ring have a design life of at least 50 years. This can also be substantiated with tests that confirm this.

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 108 mm including 64 and 67 mm available

### Tools / combipress®

SANHA®-Press & PURAPRESS® can be pressed up to 54 mm with SA, M and V original profile. Furthermore, dimensions larger than 54 mm can be pressed with SA & M 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

- | Drinking water
- | Heating
- | Rain water
- | Compressed air
- | Extinguishing wet (Observe national regulations)
- | Sprinklers wet (Observe national regulations)
- | Insert gases
- | Cooling water
- | Ship Building
- | Glycol

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.

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### Standard and approvals

Press fittings tested in accordance with DVGW Worksheet W 534 with DVGW test mark. Approved for d12–108.0 mm. Press fittings suitable for copper pipes in accordance with EN 1057, DVGW Worksheet GW 392 and WRAS.

For use in heating systems, observe VDI Regulation 2035 and EN 12828.

Further certifications and approvals can be found at the website  
Operating conditions

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

- | Water and aqueous solutions and technical gases (non-toxic, non-flammable up to 108 mm)
- | Operating pressure: 16 bar
- | Technical gases: 16 bar
- | Operating temperature with EPDM: -30°C - +120°C
- | Type of thread: Pipe thread: R/Rp thread according to EN 10226,
- | Fastening thread: G thread according to ISO 228

### Press fitting material

SANHA®-Press fittings and pipes made of 99,9% copper, CU-DHP (material number CW024A).

PURAPRESS® fittings (material number CW724R, material: CuZn21Si3P) are made of completely lead free alloy silicon bronze. Furthermore the fittings are resistant against stress corrosion and free from dezincification.

### Permitted pipes

For the installation system SANHA®-Press/PURAPRESS®, copper pipes are applicable in the versions soft, half-hard and hard, as long as the quality specifications comply with the table from our assembly instructions and 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](mailto:technik@sanha.com)

### Certificates

These certificates can be found at [www.sanha.com](http://www.sanha.com):

Country	Certifier
Austria	ÖVGW
Austria	Land Wien
Czech Republic	SZU
Denmark	ETA
Finland	KIWA
France	ACS
France	QB CSTB
Germany	RAL
Germany	DNV GL
Germany	DVGW
Germany	TÜV
Hungary	EMI
Italy	TIFQ
The Netherlands	KIWA
Norway	SINTEF
Poland	PZH
Slovakia	TSU
Sweden	KIWA
Switzerland	SVGW
Ukraine	UA
Ukraine	UC
The UK	Kitemark
The UK	WRAS
Slovakia	TSU
Sweden	KIWA
Switzerland	SVGW
Ukraine	UA
The UK	Kitemark
The UK	WRAS