

Essen, 29/09/2026

Declaration of Conformity – Pressure Equipment Directive 2014/68/EU for **SANHA®-RefHP**

We hereby declare that **SANHA®-RefHP** High Pressure Fittings for capillary brazing for piping made of CuFe2P fulfill the following prerequisites:

- Fittings are produced from pipes, material CuFe2P CW107C according to EN 12449 which comply to VdTÜV Material Data Sheet 567.
- Fittings are produced according to AD 2000-Merkblatt W 6/2.
- Pipes for the production of these fittings are delivered with an Inspection Certificate 3.1 according to EN 10204:2004.
- Dimensional tolerances comply with the reference design to meet above mentioned requirements. The fittings have inch dimensions (diameter) according to ASTM B280.
- Dimensions and tolerances comply with product standards EN 1254-1/EN 1254-5.
- Dimensions and tolerances are appropriate for 'lap joints' manufactured according to EN 14276-, EN 14276-2:2020-07, Annex B with pipes according to EN 378-2 and Metallic industrial piping - Part 1: General; German version EN 13480-1:2017.

Areas of application

Piping in refrigeration systems with a maximum allowable operating pressures of 130 bar (PS; other pressure ratings available on request), a minimum temperature of -196 °C and a maximum temperature of 150 °C (TS) for fluids in Group 2 in accordance with the European Pressure Equipment Directive (Directive 2014/68/EU).

Material Composition in %

Legierungsbestandteile					
Massenanteil in %					
Cu	Fe	Zn	P	Pb	Sonstige Zugaben
Rest	2,1 bis 2,6	0,05 bis 0,2	0,015 bis 0,15	bis 0,03	bis 0,2

Quality Management

SANHA GmbH & Co KG and related companies are controlled by a Quality Management System compliant with ISO EN 9001:2015, certificate number Q-18-14925a, issued and periodically audited by DQS GmbH.

Processing and installation

Fittings and pipes have to be connected by using hard solder wire with at least 2 % Ag according to EN ISO 17672. We also recommend the use of hard soldering flux type FH 10 (SANHA article number 84948) for connections with materials as defined in prEN 1412 (except numbers 000 and 400).

The processing of the fittings must be carried out with respect to all relevant applicable technical rules and codes.

Marking of the fittings

SANHA®-RefHP High Pressure Fittings are engraved with „SA CuFe“ as well as the dimension.

Reference of the supervisor: GvdA

SANHA GmbH & Co. KG

Technical Marketing

Produktübersicht für den Geltungsbereich dieser Übereinstimmungserklärung

Product overview for which this DoC applies

Artikel-Nr. Article-No.	Beschreibung Description	Dimension d
129002A38	SANHA RefHP Bogen 90°, 2M / SANHA RefHP Bend 90°, F/F	3/8
129002A12		1/2
129002A58		5/8
129002A34		3/4
129002A78		7/8
129002A118		1 1/8
129002A138		1 3/8
129002A158		1 5/8
129002A218		2 1/8
129002A258		2 5/8
129002AR7834	SANHA RefHP Bogen 90°, red., 2M / SANHA RefHP Bend 90°, red., F/F	7/8 x 3/4
129002AR11878		1 1/8 x 7/8
129002AR138118		1 3/8 x 1 1/8
129002AR158138		1 5/8 x 1 3/8
129001A38	SANHA RefHP Bogen 90°, 1M / SANHA RefHP Bend 90°, F/M	3/8
129001A12		1/2
129001A58		5/8
129001A34		3/4
129001A78		7/8
129001A118		1 1/8
129001A138		1 3/8
12901A158		1 5/8
129001A218		2 1/8
129001A258		2 5/8

Artikel-Nr. Article-No.	Beschreibung Description	Dimension d
12904138	SANHA RefHP Bogen 45°, 2M / SANHA RefHP Bend 45°, F/F	3/8
12904112		1/2
12904158		5/8
12904134		3/4
12904178		7/8
129041118		1 1/8
129041138		1 3/8
129041158		1 5/8
129041218		2 1/8
12904038	SANHA RefHP Bogen 45°, 1M / SANHA RefHP Bend 45°, F	3/8
12904012		1/2
12904058		5/8
12904034		3/4
12904078		7/8
129040118		1 1/8
129040138		1 3/8
129040158		1 5/8
129040218		2 1/8
12913038	SANHA RefHP T-Stück, 3M / SANHA RefHP Tee, F/F/F	3/8
12913012		1/2
12913058		5/8
12913034		3/4
12913078		7/8
129130118		1 1/8
129130138		1 3/8
129130158		1 5/8

Artikel-Nr.	Beschreibung	Dimension
Article-No.	Description	d
129130218	SANHA RefHP T-Stück, 3M / SANHA RefHP Tee, F/F/F	2 1/8
129130258		2 5/8
129130381238	SANHA RefHP T-Stück, red., 3M / SANHA RefHP Tee, red., F/F/F	3/8 x 1/2 x 3/8
129130123838		1/2 x 3/8 x 3/8
129130123812		1/2 x 3/8 x 1/2
129130121238		1/2 x 1/2 x 3/8
129130583858		5/8 x 3/8 x 5/8
129130581212		5/8 x 1/2 x 1/2
129130581258		5/8 x 1/2 x 5/8
129130585838		5/8 x 5/8 x 3/8
129130585812		5/8 x 5/8 x 1/2
129130341434		3/4 x 1/4 x 3/4
129130341234		3/4 x 1/2 x 3/4
129130345834		3/4 x 5/8 x 3/4
129130343412		3/4 x 3/4 x 1/2
129130343458		3/4 x 3/4 x 5/8
129130781478		7/8 x 1/4 x 7/8
129130781278		7/8 x 1/2 x 7/8
129130785878		7/8 x 5/8 x 7/8
129130783478		7/8 x 3/4 x 7/8
129130787812		7/8 x 7/8 x 1/2
129130787858		7/8 x 7/8 x 5/8
129130787834		7/8 x 7/8 x 3/4
12913011814118		1 1/8 x 1/4 x 1 1/8
1291301181278		1 1/8 x 1/2 x 7/8
12913011834118		1 1/8 x 3/4 x 1 1/8
1291301187812		1 1/8 x 7/8 x 1/2
12913011878118		1 1/8 x 7/8 x 1 1/8

Artikel-Nr. Article-No.	Beschreibung Description	Dimension d
12913011811834	SANHA RefHP T-Stück, red., 3M / SANHA RefHP Tee, red., F/F/F	1 1/8 x 1 1/8 x 3/4
12913011811878		1 1/8 x 1 1/8 x 7/8
12913013814138		1 3/8 x 1/4 x 1 3/8
12913013834138		1 3/8 x 3/4 x 1 3/8
12913013878138		1 3/8 x 7/8 x 1 3/8
129130138118138		1 3/8 x 1 1/8 x 1 3/8
12913013813834		1 3/8 x 1 3/8 x 3/4
12913013813878		1 3/8 x 1 3/8 x 7/8
129130138138118		1 3/8 x 1 3/8 x 1 1/8
12913015814158		1 5/8 x 1/4 x 1 5/8
12913015835158		1 5/8 x 3/4 x 1 5/8
12913015878158		1 5/8 x 7/8 x 1 5/8
129130158118158		1 5/8 x 1 1/8 x 1 5/8
129130158138158		1 5/8 x 1 3/8 x 1 5/8
12913015815878		1 5/8 x 1 5/8 x 7/8
129130158158118		1 5/8 x 1 5/8 x 1 1/8
129130158158138		1 5/8 x 1 5/8 x 1 3/8
12913021814218		2 1/8 x 1/4 x 2 1/8
129130218138218		2 1/8 x 1 3/8 x 2 3/8
129130218158218		2 1/8 x 1 5/8 x 2 1/8
1292401238	SANHA RefHP Red.-Muffe, 2M / SANHA RefHP Red.- Coupling, F/F	1/2 x 3/8
1292405812		5/8 x 1/2
1292403458		3/4 x 5/8
1292407834		7/8 x 3/4
12924011812		1 1/8 x 1/2
12924011878		1 1/8 x 7/8
12924013812		1 3/8 x 1/2
12924013858		1 3/8 x 5/8

Artikel-Nr. Article-No.	Beschreibung Description	Dimension d
12924013834	SANHA RefHP Red.-Muffe, 2M / SANHA RefHP Red.- Coupling, F/F	1 3/8 x 3/4
12924013878		1 3/8 x 7/8
129240138118		1 3/8 x 1 1/8
12924015834		1 5/8 x 3/4
12924015878		1 5/8 x 7/8
129240158118		1 5/8 x 1 1/8
129240158138		1 5/8 x 1 3/8
129240218158		2 1/8 x 1 5/8
1292431238	SANHA RefHP Absatznippel, 1M / SANHA RefHP Reduction, M/F	1/2a x 3/8
1292435838		5/8a x 3/8
1292435812		5/8a x 1/2
1292433438		3/4a x 3/8
1292433412		3/4a x 1/2
1292433458		3/4a x 5/8
1292437838		7/8a x 3/8
1292437812		7/8a x 1/2
1292437858		7/8a x 5/8
1292437834		7/8a x 3/4
12924311812		1 1/8a x 1/2
12924311858		1 1/8a x 5/8
12924311834		1 1/8a x 3/4
12924311878		1 1/8a x 7/8
129243138118		1 3/8a x 1 1/8
12924315878		1 5/8a x 7/8
129243158138		1 5/8a x 1 3/8
129243218118		2 1/8a x 1 1/8

Artikel-Nr. Article-No.	Beschreibung Description	Dimension d
129243218158	SANHA RefHP Absatznippel, 1M / SANHA RefHP Reduction, M/F	2 1/8a x 1 5/8
129243258218		2 5/8a x 2 1/8
129243IM3810	SANHA RefHP Übergangsstück, inch/metrisch, 1M / SANHA RefHP Adaptor inch/metric, M/F	3/8a x 10 mm
129243IM1212		1/2a x 12 mm
129243IM5815		5/8a x 15 mm
129243IM3418		3/4a x 18 mm
129243IM7822		7/8a x 22 mm
129243IM11828		1 1/8a x 28 mm
129243IM13835		1 3/8a x 35 mm
129243IM15842		1 5/8a x 42 mm
12924534	SANHA RefHP Verlängerung, 1M / SANHA RefHP Lengthening piece, F/M	3/4
12924578		7/8
129245118		1 1/8
129245138		1 3/8
129245158		1 5/8
12924218		2 1/8

Artikel-Nr. Article-No	Beschreibung Description	Dimension d
12927038	SANHA RefHP Muffe, 2M / SANHA RefHP Coupling, F/F	3/8
12927012		1/2
12927058		5/8
12927034		3/4
12927078		7/8
129270118		1 1/8
129270138		1 3/8
129270158		1 5/8
129270218		2 1/8
129270258		2 5/8
12930138	SANHA RefHP Kappe, 1M / SANHA RefHP End cap, F	3/8
12930112		1/2
12930158		5/8
12930134		3/4
12930178		7/8
129301118		1 1/8
129301138		1 3/8
129301158		1 5/8
129301218		2 1/8