

DECLARATION OF CONFORMITY

1. Name of the product type, ID:

SANHA®-Therm press system series 24000: system tubes and press fittings made of unalloyed steel according to EN 10305-3.

Material fittings: 1.0034 (E 195) acc. to EN 10305-3, outside galvanized acc. to EN ISO 2081

1.0308 (E 235) acc. to EN 10305-3, outside galvanized acc. to EN ISO 2081

CW724R (CuZn21Si3P) acc. to EN 12164 table 7, outside nickel plated acc. to EN 248

Material tubes: 1.0034 (E 195) acc. to EN 10305-3, outside galvanized acc. to EN ISO 2081

1.0034 (E 195) acc. to EN 10305-3, outside galvanized acc. to sendzimir galvanized acc. to EN 10346

1.0034 (E 195) acc. to EN 10305-3, inside and outside galvanized

Tube Dimension: d = 12 mm up d = 108 mm acc. to EN 10305

d in mm	SANHA®-Therm Systemrohr s in mm	SANHA®-Therm# Systemrohr s in mm	SANHA®-Therm DZ Systemrohr s in mm
12	1,2	1,2	
15	1,2	1,2	
18	1,2	1,2	1,2
22	1,5	1,5	1,5
28	1,5	1,5	1,5
35	1,5	1,5	1,5

d in mm	SANHA®-Therm Systemrohr s in mm	SANHA®-Therm# Systemrohr s in mm	SANHA®-Therm DZ Systemrohr s in mm
42	1,5	1,5	1,5
54	1,5	1,5	1,5
66,7	1,5		
76,1	2,0	2,0	2,0
88,9	2,0		2,0
108	2,0		2,0

Pressure class: PN 16
 Sealing ring: EPDM-black acc. to EN 681-1
 Dimension: 12 mm – 108 mm
 Operating temperature: up to 120 °C (heating systems)

2. Function of the construction building according to the NTA:

Application: Closed heating and cooling installation
 Sprinkler (wet)

3. Name of the manufacturer, trade name or trademark, sales address:

Manufacturer of the product: SANHA GmbH & Co. KG
 Im Teelbruch 80
 D – 45219 Essen
 Germany

4. Type of the system for evaluate and control the performance constancy:

SANHA®-Therm press system series 24000 "SANHA Therm"

5. Performance:

Essential characteristics	Performance
Reaction to fire [EN 13501-1: 2007 + A1: 2010]	Class 1
Material: fittings [EN 10305-3: 2014 and prEN 10358: 2012, 6.2.1]	Pass
Material: tubes [EN 10305-3: 2016]	Pass
Dimension: tubes [EN 10305-3: 2016]	Pass
Material: sealing ring [prEN 10358: 2016, 6.2.2 and EN 681-1: 2016 (E)]	Pass
Internal pressure [prEN 10358: 2016, 8.1.4]	Pass
Tightness: Resistance to pull-out [prEN 10358: 2016, 8.1.6]	Pass
Tightness: Leak tightness under temperature cycling [prEN 10358: 2016, 8.1.7]	Pass
Resistance to operating temperature [prEN 10358: 2016, 8.1.8]	Pass
Durability of tightness: resistance to pressure cycling [prEN 10358: 2016]	Pass
Tightness: Leak tightness under vacuum [prEN 10358: 2016, 8.1.10]	Pass
Tightness: Leak tightness under vibration [prEN 10358: 2016, 8.1.11]	Pass
Tightness: Integrity of fabricated fitting bodies or having an „as cast“ microstructure [prEN 10358: 2016, 8.2.2]	Pass
Tightness: Leak before press [prEN 10358: 2016, 8.2.3]	Pass
Threaded end dimensions [EN 10226-1: 2004 and acc. to FprEN 1254-7:2020 (E); 4.9]	Pass

6. Zertifikates:

CSTBat	QB – 105 – 1884_V1
ABS	20-HG1945654-PDA
DNV • GL	14310 – 15 HH
VdS	G 411011
FM-Global	3051978

The product performance in chapter 1. and 2. matches with the performance in chapter 5.

The determined manufacturer in chapter 3. is responsible for release the Declaration of Performance.

Essen, Friday, 12 June 2020

(Place and date of issue)

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(Signature)