

## 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<br>in mm | SANHA®-Therm<br>Systemrohr<br>s<br>in mm | SANHA®-Therm#<br>Systemrohr<br>s<br>in mm | SANHA®-Therm DZ<br>Systemrohr<br>s<br>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<br>in mm | SANHA®-Therm<br>Systemrohr<br><br>s<br>in mm | SANHA®-Therm#<br>Systemrohr<br><br>s<br>in mm | SANHA®-Therm DZ<br>Systemrohr<br><br>s<br>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, cooling and compressed air<sup>x1</sup> installation  
 Sprinkler (wet)

X<sup>1</sup> Only for dry compressed air!

## 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, 22 January 2021

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(Place and date of issue)

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(Signature)