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## The EU Declaration of Conformity

Issued in accordance with:

The Pressure Equipment Directive 2014/68/EU

### The manufacturer's name and address:

Company: Zhejiang Sanhua Intelligent controls Co., Ltd  
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### Declaration:

Filter Driers

shown in the following tables, are classified "Vessels" in the sense of the Pressure Equipment Directive 2014/68/EU, Article 2 point (2).

The Refrigerant proper to the Group I and II as defined in the articles 13 (1) (a) and 13 (1) (b) of Directive 2014/68/EU.

a) Refrigerant of Group I: Refrigerant is classified as hazardous substance or mixture as defined in points (7) and (8) of Article 2 of Regulation (EC) No. 1272/2008.

b) Refrigerant of Group II: Refrigerant cannot be classified as hazardous substance or mixture as defined in points (7) and (8) of Article 2 of Regulation (EC) No. 1272/2008.

### Summary:

| Product Series | PS * V    | Design Pressure PS (bar) | Table       |
|----------------|-----------|--------------------------|-------------|
| DTG-B          | ≤25 bar*L | 48,3                     | See Table 2 |
| DTG-F          | ≤25 bar*L | 48,3                     | See Table 2 |
| STG-B          | ≤25 bar*L | 48,3                     | See Table 2 |
| STG-F          | ≤25 bar*L | 48,3                     | See Table 2 |
| DTG-A          | ≤25 bar*L | 48,3                     | See Table 3 |
| DTG-E          | ≤25 bar*L | 48,3                     | See Table 3 |
| DTG-B-932      | ≤25 bar*L | 49                       | See Table 4 |
| STG-B-932      | ≤25 bar*L | 49                       | See Table 4 |
| HTG            | >25 bar*L | 45                       | See Table 5 |
| DSG-B          | ≤25 bar*L | 48,3                     | See Table 6 |

Table 1

**Description of Products:**

| <b>Design Pressure (PS):</b>  | <b>48,3 bar</b>         |                       |                      |  |                       |  |
|-------------------------------|-------------------------|-----------------------|----------------------|--|-----------------------|--|
| <b>Temperaure Range (TS):</b> | <b>-30°C / +120°C</b>   |                       | <b>FLUID GROUP I</b> |  | <b>FLUID GROUP II</b> |  |
| <b>SANHUA MODEL*</b>          | <b>Net Volume V (L)</b> | <b>PS * V (bar*L)</b> | <b>PED category</b>  | <b>Module annex III – PED Directive 2014/68/EU</b> | <b>PED category</b>   | <b>Module annex III – PED Directive 2014/68/EU</b> |
| DTG-z03xxy-901                | 0,038                   | 1,8                   | Art. 4.3             | -  | Art. 4.3              | -  |
| DTG-z05xxy-901                | 0,099                   | 4,7                   | Art. 4.3             | -  | Art. 4.3              | -  |
| DTG-z08xxy-901                | 0,109                   | 5,2                   | Art. 4.3             | -  | Art. 4.3              | -  |
| DTG-z16xxy-901                | 0,120                   | 5,7                   | Art. 4.3             | -  | Art. 4.3              | -  |
| DTG-z30xxy-901                | 0,223                   | 10,7                  | Art. 4.3             | -  | Art. 4.3              | -  |
| DTG-z41xxy-901                | 0,313                   | 15,1                  | Art. 4.3             | -  | Art. 4.3              | -  |
| DTG-z75xxy-901                | 0,422                   | 20,4                  | Art. 4.3             | -  | Art. 4.3              | -  |
| -                             | -                       | -                     | -                    | -  | -                     | -  |
| STG-z05xxy-901                | 0,140                   | 5,7                   | Art. 4.3             | -  | Art. 4.3              | -  |
| STG-z08xxy-901                | 0,163                   | 7,8                   | Art. 4.3             | -  | Art. 4.3              | -  |
| STG-z16xxy-901                | 0,261                   | 12,6                  | Art. 4.3             | -  | Art. 4.3              | -  |
| STG-z30xxy-901                | 0,348                   | 16,8                  | Art. 4.3             | -  | Art. 4.3              | -  |

Table 2

| <b>Design Pressure (PS):</b>  | <b>48,3 bar</b>         |                       |                      |  |                       |  |
|-------------------------------|-------------------------|-----------------------|----------------------|--|-----------------------|--|
| <b>Temperaure Range (TS):</b> | <b>-30°C / +120°C</b>   |                       | <b>FLUID GROUP I</b> |  | <b>FLUID GROUP II</b> |  |
| <b>SANHUA MODEL*</b>          | <b>Net Volume V (L)</b> | <b>PS * V (bar*L)</b> | <b>PED category</b>  | <b>Module Annex III PED Directive 2014/68/EU</b> | <b>PED category</b>   | <b>Module Annex III PED Directive 2014/68/EU</b> |
| DTG-w03xxy-901                | 0,044                   | 2,1                   | Art. 4.3             | -  | Art. 4.3              | -  |
| DTG-w05xxy-901                | 0,138                   | 6,7                   | Art. 4.3             | -  | Art. 4.3              | -  |
| DTG-w08xxy-901                | 0,145                   | 7,0                   | Art. 4.3             | -  | Art. 4.3              | -  |
| DTG-w16xxy-901                | 0,170                   | 8,2                   | Art. 4.3             | -  | Art. 4.3              | -  |
| DTG-w30xxy-901                | 0,327                   | 15,8                  | Art. 4.3             | -  | Art. 4.3              | -  |

Table 3

| <b>Design Pressure (PS):</b>  | <b>49 bar</b>           |                       |                      |  |                       |  |
|-------------------------------|-------------------------|-----------------------|----------------------|--|-----------------------|--|
| <b>Temperaure Range (TS):</b> | <b>-30°C / +120°C</b>   |                       | <b>FLUID GROUP I</b> |  | <b>FLUID GROUP II</b> |  |
| <b>SANHUA MODEL*</b>          | <b>Net Volume V (L)</b> | <b>PS * V (bar*L)</b> | <b>PED category</b>  | <b>Module Annex III PED Directive 2014/68/EU</b> | <b>PED category</b>   | <b>Module Annex III PED Directive 2014/68/EU</b> |
| DTG-B03xxy-932                | 0,038                   | 1,9                   | Art. 4.3             | -  | Art. 4.3              | -  |
| DTG-B05xxy-932                | 0,099                   | 4,9                   | Art. 4.3             | -  | Art. 4.3              | -  |
| DTG-B08xxy-932                | 0,109                   | 5,3                   | Art. 4.3             | -  | Art. 4.3              | -  |
| DTG-B16xxy-932                | 0,120                   | 5,9                   | Art. 4.3             | -  | Art. 4.3              | -  |
| DTG-B30xxy-932                | 0,223                   | 10,9                  | Art. 4.3             | -  | Art. 4.3              | -  |
| DTG-B41xxy-932                | 0,313                   | 15,3                  | Art. 4.3             | -  | Art. 4.3              | -  |
| DTG-B75xxy-932                | 0,422                   | 20,7                  | Art. 4.3             | -  | Art. 4.3              | -  |
| -                             | -                       | -                     | -                    | -  | -                     | -  |

|                |       |      |          |   |          |   |
|----------------|-------|------|----------|---|----------|---|
| STG-B05xxy-932 | 0,140 | 6,9  | Art. 4.3 | - | Art. 4.3 | - |
| STG-B08xxy-932 | 0,163 | 8,0  | Art. 4.3 | - | Art. 4.3 | - |
| STG-B16xxy-932 | 0,261 | 12,8 | Art. 4.3 | - | Art. 4.3 | - |
| STG-B30xxy-932 | 0,348 | 17,1 | Art. 4.3 | - | Art. 4.3 | - |

Table 4

|                               |                         |                       |                      |  |                       |  |
|-------------------------------|-------------------------|-----------------------|----------------------|--|-----------------------|--|
| <b>Design Pressure (PS):</b>  | <b>45 bar</b>           |                       |                      |  |                       |  |
| <b>Temperaure Range (TS):</b> | <b>-40°C / +70°C</b>    |                       | <b>FLUID GROUP I</b> |  | <b>FLUID GROUP II</b> |  |
| <b>SANHUA MODEL*</b>          | <b>Net Volume V (L)</b> | <b>PS * V (bar*L)</b> | <b>PED category</b>  | <b>Module Annex III PED Directive 2014/68/EU</b> | <b>PED category</b>   | <b>Module Annex III PED Directive 2014/68/EU</b> |
| HTG-A48xxy-901                | 1,520                   | 68,4                  | NOT CERTIFIED        | -  | Cat.I                 | A (point 1)                                      |
| HTG-A96xxy-901                | 2,290                   | 103,5                 | NOT CERTIFIED        | -  | Cat.I                 | A (point 1)                                      |
| HTG-B44xxy-901                | 3,080                   | 138,6                 | NOT CERTIFIED        | -  | Cat.I                 | A (point 1)                                      |
| HTG-B92xxy-901                | 3,920                   | 176,4                 | NOT CERTIFIED        | -  | Cat.I                 | A (point 1)                                      |

Table 5

|                               |                         |                       |                      |  |                       |  |
|-------------------------------|-------------------------|-----------------------|----------------------|--|-----------------------|--|
| <b>Design Pressure (PS):</b>  | <b>46 bar</b>           |                       |                      |  |                       |  |
| <b>Temperaure Range (TS):</b> | <b>-30°C / +80°C</b>    |                       | <b>FLUID GROUP I</b> |  | <b>FLUID GROUP II</b> |  |
| <b>SANHUA SERIES</b>          | <b>Net Volume V (L)</b> | <b>PS * V (bar*L)</b> | <b>PED category</b>  | <b>Module Annex III PED Directive 2014/68/EU</b> | <b>PED category</b>   | <b>Module Annex III PED Directive 2014/68/EU</b> |
| DSGB-052                      | 0,099                   | 4,6                   | Art. 4.3             | -  | Art. 4.3              | -  |
| DSGB-082                      | 0,109                   | 5,0                   | Art. 4.3             | -  | Art. 4.3              | -  |
| DSGB-083                      | 0,109                   | 5,0                   | Art. 4.3             | -  | Art. 4.3              | -  |
| DSGB-163                      | 0,120                   | 5,5                   | Art. 4.3             | -  | Art. 4.3              | -  |
| DSGB-164                      | 0,120                   | 5,5                   | Art. 4.3             | -  | Art. 4.3              | -  |

Table 6

**Note:**

\*: Z position: "B" filters with solid core and 100% dessicant; "F" filters with solid core and 80% dessicant + 20% alumina  
W position: "A" filters with loose beans and 100% dessicant; "E" filters with loose beans and 80% dessicant + 20% alumina  
XX position: identifies the size of the solder connection pipe  
YY position: identifies the connection type (inch or mm)

All the models listed in the tables above classified as "Art. 4.3" aren't subjected to the Essential Safety Requirements set out in Annex I of Directive 2014/68/EU because their characteristics are below or equal to the limits fixed in Article 4 (1) (a) (i) & (ii) of the same Directive. As mentioned in the Directive all these products have a nominal "PS\*V" below or equal to:

- a) 25 bar\*L or volume (V) < 1 L and PS < 200 bar for refrigerants belonging to Group I
- b) 50 bar\*L or volume (V) < 1 L and PS < 1000 bar for refrigerants belonging to Group II

Therefore, according to requirements of Article 4 (1) (a) them:

- Are designed and manufactured in accordance with a sound engineering practice in order to ensure safe use.
- Are accompanied by adequate instructions for use
- Bear markings to permit identification of the manufacturer
- Don't bear CE marking referred to in Article 18 and Article 19
- Are not accompanied by a "Declaration of Conformity" to Directive 2014/68/EU referred to in Annex IV

Covered by this declaration is in conformity with the following directives, standards or other normative documents, provided that the product is used in accordance with our instructions:

- EN 12284:2003 - Refrigerating systems and heat pumps. Valves. Requirements, testing and marking
- EN 378-2:2016 - Refrigerating systems and heat pumps. Safety and environmental requirements. Basic requirements, definitions, classification and selection criteria

Responsible

Date 2021.5.6

Signature

