



**Danfoss A/S**

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**MANUFACTURER'S DECLARATION**

**Danfoss A/S**

Danfoss Climate Solutions, Refrigeration & Air Conditioning Controls

Declares under our sole responsibility that the

**Product category: Filter Driers**

**Type designation(s): DML, DCL, DMB, DCB, DMC, DCC, DAS, DGP, DMT, DMSC**

Covered by this declaration is in conformity with the following directive(s), standard(s) or other normative document(s), provided that the product is used in accordance with our instructions.

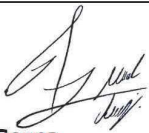
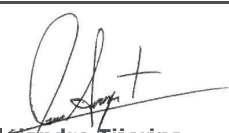
**PED Directive 2014/68/EU of the European Parliament and of the council**

EN 14276-1:2006+A1:2011: Pressure equipment for refrigerating systems and heat pumps – Part 1: Vessels

| Types:                                  | Allowable temperature:      |
|---|-----------------------------|
| DML, DCL, DMB, DCB, DMC, DCC, DAS, DGP. | -40°C/+70°C (-40°F/+160°F)  |
| DMT, DAT,                               | -40°C/+100°C (-40°F/+212°F) |
| DMSC                                    | -30°C/+17°C (-22°F/+63°F)   |

| Types              | Connector type                  | Filter size                            | Connector size      | Max. allowable pressure | Fluid group                      | PED Category |
|--------------------|---------------------------------|--|---------------------|-------------------------|----------------------------------|--------------|
| DML, DCL, DMB, DCB | Solder Pure Copper              | 1.5, 03, 05, 08, 16, 30, 38 & 60 cu in | ¼" - 7/8" ODM / ODF | 46 bar (667 psig)       | I <sup>A</sup> , II <sup>B</sup> | A4p3         |
|                    |                                 |  | 1½" ODF             |                         | II <sup>B</sup>                  | A4p3         |
|                    |                                 | 41 cu in                               | ½" - 5/8" ODF       | 35 bar (500 psig)       | I <sup>A</sup> , II <sup>B</sup> | A4p3         |
|                    |                                 |  | ¾" - 7/8" ODM / ODF |                         | II <sup>B</sup>                  | A4p3         |
|                    |                                 | 75 cu in                               | 1½" ODF             | 46 bar (667 psig)       | I <sup>A</sup> , II <sup>B</sup> | A4p3         |
|                    |                                 |  | ¾" - 1½" ODM / ODF  |                         | II <sup>B</sup>                  | A4p3         |
|                    | Solder Cu-Plated                | 1.5 to 60 cu in                        | ¼" - 7/8" ODM / ODF | 46 bar (667 psig)       | I <sup>A</sup> , II <sup>B</sup> | A4p3         |
|                    |                                 |  | 1½" ODF             |                         | II <sup>B</sup>                  | A4p3         |
|                    |                                 | 75 cu in                               | 7/8" - 1½" ODF      | 46 bar (667 psig)       | II <sup>B</sup>                  | A4p3         |
|                    | Flare, Flare O-ring & Face Seal | 1.5 to 60 cu in                        | ¼" - ¾"             | 46 bar (667 psig)       | I <sup>C</sup> , II <sup>B</sup> | A4p3         |
| DMC, DCC           | Solder Pure Copper              | 04 to 40 cu in                         | ¼" - ½" ODM / ODF   | 42 bar (610 psig)       | I <sup>A</sup> , II <sup>B</sup> | A4p3         |
|                    | Solder Cu-Plated                | 04 to 40 cu in                         | ¼" - ½" ODM / ODF   | 42 bar (610 psig)       | I <sup>A</sup> , II <sup>B</sup> | A4p3         |
|                    | Flare & Face Seal               | 04 to 40 cu in                         | ¼" - ½"             | 42 bar (610 psig)       | I <sup>C</sup> , II <sup>B</sup> | A4p3         |

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|   |   |   |   |
|---|---|---|---|
| Date: 2021.06.10<br>Place of issue:<br>66634 NL, Mexico | Issued by<br><br><b>Signature:</b><br><b>Name: Alvaro Serna</b><br><b>Title: Mechanical Engineer</b> | Date: 2021.06.10<br>Place of issue:<br>66634 NL, Mexico | Approved by<br><br><b>Signature:</b><br><b>Name: Jose Alejandro Tijerina</b><br><b>Title: Senior Engineering Manager</b> |
|---|---|---|---|

Danfoss only vouches for the correctness of the English version of this declaration. In the event of the declaration being translated into any other language, the translator concerned shall be liable for the correctness of the translation

| Types | Connector type               | Filter size    | Connector size    | Max. allowable pressure | Fluid group                      | PED Category |
|-------|------------------------------|----------------|-------------------|-------------------------|----------------------------------|--------------|
| DAS   | Solder Pure Copper           | 08 to 60 cu in | ¼" - ⅞" ODM / ODF | 35 bar (500 psig)       | I <sup>A</sup> , II <sup>B</sup> | A4p3         |
|       |                              |                | 1½" - 1 ⅜" ODF    | 35 bar (500 psig)       | II <sup>B</sup>                  | A4p3         |
|       | Flare                        | 75 cu in       | ¼" - 1 ⅜"         | 35 bar (500 psig)       | II <sup>B</sup>                  | A4p3         |
|       |                              | 08 to 60 cu in | ¼" - ¾"           | 35 bar (500 psig)       | I <sup>c</sup> , II <sup>B</sup> | A4p3         |
| DGP   | Face Seal                    | 79 cu in       | ¼" - ¾"           | 13.7 bar (200 psig)     | II <sup>B</sup>                  | A4p3         |
| DMT   | Solder Cu-Plated             | 08 to 13 cu in | ¼" - ½" ODF       | 140 bar (2030 psig)     | II                               | A4p3         |
|       | NPT, Flare, Flare O-ring     | 08 to 13 cu in | ¼" - ½"           | 140 bar (2030 psig)     | II                               | A4p3         |
| DMSC  | Solder Pure Copper and Steel | 03 to 08 cu in | ¼" - ½" ODF       | 52 bar (754 psig)       | II                               | A4p3         |

<sup>A</sup> Except R717 (Ammonia)

Note: These filter driers are for refrigeration and air conditioning plants.

<sup>B</sup> Except R744 (Carbon Dioxide)

<sup>c</sup> Approved only for A2L refrigerants, Except R717

### RoHS Directive 2011/65/EU including amendment 2015/863.

EN IEC 63000:2018. Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.

For the above-mentioned products, the following exemption is applicable:

- Exemption 6(a)

### ATEX Directive 2014/34/EU

For the above listed Semi Hermetic Filter Driers a hazard analysis to the directive ATEX 2014/34/EU has been carried out with the following result:

This non-electrical equipment holds no potential ignition source at normal usage.

The listed semi-hermetic Filter Driers are not covered by the scope of ATEX Directive 2014/34/EU

The semi-hermetic filters may be used in the following EX range: Category 3 (Zone 2)

EN ISO 80079-36:2016 Explosive atmospheres Part 36: Non-electrical equipment for explosive atmospheres — Basic method and requirements

EN ISO 80079-37:2016 Explosive atmospheres Part 37: Non-electrical equipment for explosive atmospheres — Non-electrical type of protection constructional safety "c", control of ignition sources "b", liquid immersion "k"

### Refrigerating systems and heat pumps – Qualification of tightness of components and joints

#### Standard EN ISO 14903:2017

Tightness level A1: Hermetically sealed components

The (flare/MIO/ORFS) joints are in compliance with EN ISO14903 in tightness level of B1

Reference to standards and directives:

EN 378-1: 2016+A1:2020 Refrigerating systems and heat pumps. Safety and environmental requirements – Part 1: Basic requirements. Definitions, classification and selection criteria.

EN 378-2: 2016 Refrigerating systems and heat pumps. Safety and environmental requirements – Part 2: Design, construction, installing, marking and documentation.

Equipment used for the above condition must be installed and maintained according to the requirements in EN 378-2:2016.