

**Danfoss A/S**6430 Nordborg
Denmark
CVR nr.: 20 16 57 15Telephone: +45 7488 2222
Fax: +45 7449 0949**MANUFACTURER'S DECLARATION****Danfoss A/S****Refrigeration & Air Conditioning Controls**

declares under our sole responsibility that the

Product category: Solenoid valve**Type designation(s):****Valves: EVR - EVRH - EVRP - EVRC - EVU - EVUL - EVUB - EVUF - EVO - AKV - AKVH - AKVO - AKV 10P - AKV 10PS - EVRF- EVT**

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.

Types	Range	DN	PS (bar)	Fluid Group	Ts (°C)	PED category
EVR (032FXXXX /042HXXXX)	2 to 3	5-8	49	1*,2	-40 to +105	Article 4, Paragraph 3
	4 to 8	5-8	45,2	1*,2		Article 4, Paragraph 3
	10	10	35	1*,2		Article 4, Paragraph 3
	15 to 22	15-25	32	1*,2		Article 4, Paragraph 3
	20 to 22	32	32	2		Article 4, Paragraph 3
	25-32	25-32	32	2		Article 4, Paragraph 3
EVR (032LXXXX)	4 to 22	5-25	49	1*,2	-40 to +105	Article 4, Paragraph 3
	20 to 22	32	45,2	2		Article 4, Paragraph 3
	25-32	25-32	45,2	2		Article 4, Paragraph 3
EVRH	10 to 40	6-32	45,2	2	-40 to +105	Article 4, Paragraph 3
EVRP	1,4 to 3,0	8-10	35	2	-40 to + 70	Article 4, Paragraph 3
	6	12	28	2	-40 to +120	Article 4, Paragraph 3
	10	10	42	1**,2	-40 to +120	Article 4, Paragraph 3
EVU	1 to 8	6-12	70	1****,2	-40 to +105	Article 4, Paragraph 3
EVUL	1 to 8	6-12	90	1****,2	-40 to +105	Article 4, Paragraph 3
EVO	100 to 105	6-25	45,2	1***, 2	-40 to +105	Article 4, Paragraph 3

Date: 2024-05-23	Issued by DocuSigned by: Per Brüggert 29ACD799A36647F... Signature: Name: Per Brüggert Title: Design Engineer	Date: 2024-05-23	Approved by DocuSigned by: Jesper Kirkegaard 02CE1A82330744A... Signature: Name: Jesper Kirkegaard Title : Engineering Director
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AKV	10-1 to 6	10-12	52	2	-50 to +60	Article 4, Paragraph 3
	10-7	12-15	42	2		Article 4, Paragraph 3
	15-1/2/3	18-28	46	2		Article 4, Paragraph 3
	15-4	18-28	46	2		Article 4, Paragraph 3
	20-1 to 5	32	28	2	-40 to +60	Article 4, Paragraph 3
AKVH	10-1 to 6	10-12	90	2	-50 to +60	Article 4, Paragraph 3
AKVO	10	10-15	28	2	-50 to +60	Article 4, Paragraph 3
AKV 10P	10P0 to 8	10-15	90	1****, 2	-50 to +60	Article 4, Paragraph 3
AKV 10PS	10P4 to 8	10-15	90	1****, 2	-50 to +60	Article 4, Paragraph 3
EVT	1,2 to 3,0	6	140	2	-40 to +150	Article 4, Paragraph 3
EVUB	-	-	45,2	2	-40 to +105	Article 4, Paragraph 3
EVUF	-	-	45.2	2	-40 to +105	Article 4, Paragraph 3
EVRF	-	-	42	1, 2	-40 to +120	Article 4, Paragraph 3
EVRC	10	12	35	2	-40 to +105	Article 4, Paragraph 3
	15 to 20	15-22	32	2		Article 4, Paragraph 3

* Fluid Group 1 (EVR 2-22 solder connection without manual stem) only includes R290, R600a, R600, R32, R1234yf, R152A, R444B, R452B, R454A, R454B, R454C, R455A, R516A
Note: Excluded are connections 1 3/8 inch / 35mm related to PED requirements.

* Fluid Group 1 (EVR 2-15 Flare connection without manual stem) only include R32, R1234yf, R152A, R452B, R454B, R454A, R454C, R444B, R455A R516A
Note : Flare connections are only approved for A1 and A2L refrigerants.

** Fluid Group 1 (EVRP 10) only includes R290

*** Fluid Group 1 (EVO 100-105 solder connection) only includes R290, R600a, R600, R32, R1234yf, R152A

**** Fluid Group 1 (EVU, EVUL, AKV 10P/PS) only includes R290, R600a, R600, R32, R1234yf, R444B, R452B, R454A, R454B, R454C, R455A, R516A

EVRF – PS (Bar) / Fluids (Refrigerants) / Ts (media temperature °C) to be found on Engineering sheet

Pressure Equipment Directive 2014/68/EU (PED)

EN ISO 21922 : 2021 Refrigerating systems and heat pumps. Valves. Requirements, testing and marking.

Ignition Hazard Assessments for component(s) used in fluid group 1 were conducted in accordance to :

EN ISO 80079-36 Non-electrical equipment for explosive atmospheres – Basic method and requirements

The component(s) do not have its own source of ignition according to 2014/34/EU, Article 2 when operated as intended in normal conditions (Category3, Zone 2)

Equipment used for the above condition must be designed, installed and maintained according to: IEC60335-2-24/ IEC60335-2-40/ IEC60335-2-89/ EN378/ ISO5149/ GBT9237 or equivalent standards.