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EU DECLARATION OF CONFORMITY
Danfoss A/S

Refrigeration & Air Conditioning Controls

declares under our sole responsibility that the

Product category: Industrial refrigeration valves

Type designation(s): SVA-S - SVA-L - REG-SA - REG-SB - SCA-X - CHV-X - FIA - SVA-DH - SVA-DL - SVL-F - CSV - NRVA - DSV - AKS38 - ORV - SVA-HL - SVA-S SS - REG-SA SS - REG-SB SS - SCA-X SS - CHV-X SS - FIA-SS - SFA – SFV - BSV - POV - SV - ICV - PM - ICM - ICS - ICF - ICL - ICLX – ICSH - ICC - ICD – ICMTS 50/80 - KDC - GVD – HFI - PMFL/H – EVRA – EVR- OFC – FIA-140B – SVA-140B – SVA-65BT – DCR – CHV-140B

Valve group	Types	DN	PS (bar)	Ts (°C)	Fluid Group	PED category	Module	Certificate-no.
Shut off valve Regulating valve Stop/Check valve Check valve Filters	SVA-S	32-100	52	−60°/+150°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
	SVA-L		65	−60°/+150°				
	REG-SA	125-200	52	−60°/+150°	1 and 2	III	H	H: 0045/202/9120/Z/00380 /22/D/000
	REG-SB		65	−60°/+150°				
	SCA-X	250	36	−90°/+60°	1 and 2	III	H	H: 0045/202/9120/Z/00380 /22/D/000
	CHV-X		40	−60°/+60°				
	FIA		36	60°/+80°				
			32	80°/+120°				
	SVA-DL	300	28	120°/+150°	1 and 2	IV	B+D	B: 0045/202/1201/Z/00423/ 19/D/001(00) D: 0045/202/9120/Z/00378 /22/D/000(01)
	SVA-DH		36	−90°/+60°				
			40	−60°/+60°				
			36	60°/+80°				
			32	80°/+120°				
			28	120°/+150°				

Classified as Business

Date: 2025.03.26 Place of issue: Grodzisk Mazowiecki, Poland	Issued by: DocuSigned by: Tomasz Siejka Signature: 725C3C12E491414... Name: Tomasz Siejka Title: Senior Design Engineer	Date: 2025.03.26 Place of issue: Grodzisk Mazowiecki, Poland	Approved by: DocuSigned by: Malgorzata Wojtan Signature: 15B4BC61456D459... Name: Malgorzata Wojtan Title: Senior R&D and Eng. Manager
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Valve group	Types	DN	PS (bar)	Ts (°C)	Fluid Group	PED category	Module	Certificate-no.
Regulating valve Stop/Check valve Check valve	REG-SA SS REG-SB SS SCA-X SS CHV-X SS	32-40 32-40 32-65 32-40	52	-60°/+150°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
Shut off valve	SVA-65BT	50-100	65	0°/+190°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
Shut off valve	SVA-S SS	32-65	52	-60°/+150°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
		80-100	50					
		125-150	50			III	H	H: 0045/202/9120/Z/00380 /22/D/000
Filters	FIA	250	36	-90°/+60°	1 and 2	III	H	H: 0045/202/9120/Z/00380 /22/D/000
			40	-60°/+60°				
			36	60°/+80°				
			32	80°/+120°				
			28	120°/+150°				
		300	36	-90°/+60°	1 and 2	IV	B+D	B: 0045/202/1201/Z/00424/ 19/D/001(00) D: 0045/202/9120/Z/00378 /22/D/000(01)
			40	-60°/+60°				
			36	60°/+80°				
			32	80°/+120°				
			28	120°/+150°				
Filters	FIA SS	32-65	52	-60°/+150°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
Shut off valve	SVA-HL	32-100	52	-60°/+150°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /19/D/000
		125-150				III	H	H: 0045/202/9120/Z/00380 /22/D/000
Refrigerant Safety valve	SFA 10	** d ₀ = 6,8	65	-50° / +200°*	1 and 2	IV	B + D	B:0045/202/1201/Z/006 62/19/D/001(02) D:0045/202/9120/Z/003 78/22/D/000(01)
	SFA 15	** d ₀ = 13	40	-50°/+100°	1 and 2	IV	B+D	B:0045/202/9120/Z/000 55/24/D/000(00) D:0045/202/9120/Z/003 78/22/D/000(01)
	SFV 20-25	** d ₀ = 18 d ₀ = 23	25	-50°/+100°	1 and 2	IV	B+D	B:0045/202/1204/Z/0052 7/21/D/001(01) D:0045/202/9120/Z/003 78/22/D/000(01)
	BSV 8	** d ₀ = 8	25	-50°/+100°	1 and 2	IV	B+D	B:0045/202/1204/Z/005 26/21/D/001(01) D:0045/202/9120/Z/003 78/22/D/000(01)



Valve group	Types	DN	PS (bar)	Ts (°C)	Fluid Group	PED category	Module	Certificate-no.
Refrigerant regulation valve, with straight bonnet arrangement	ICV-PM	32-80	28	-60°/+120°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
	PM							
	PMFL/H							
	ICM ICS ICL ICLX	32-100	52/65	-60°/+120° -60°/+150°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
	ICSH	32-80	52/65	-60°/+120°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
	ICC	32-65	52	-60°/+120°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
	ICD	32-65	52	-60°/+150°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
	ICF	27-80	52/65	-60°/+120° -60°/+150°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
	ICM ICS ICLX	125-150	52/65	-60°/+120°	1 and 2	III	H	H: 0045/202/1204/Z/00380 /22/D/000
High pressure float valve	HFI	100-150	25	-50°/+80°	1 and 2	III	H	H: 0045/202/1204/Z/00380 /22/D/000
Change over valve	DSV	32	40	-50°/+100°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
Pilot operated internal safety valve	POV 600, 1050, 2150	40-80	40	-50°/+150°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
Refrigerant float valve	SV 1-3	-	28	-50°/+65°	1 and 2	I	A	-
	SV 4-6	-	28	-50°/+120°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
Compressor stop valve	CSV	50-100	40	-50°/+150°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
			52/65	-60°/+150° -60°/+200°				
		125	40	-50°/+150°	1 and 2	III	H	H: 0045/202/1204/Z/00380 /22/D/000
			52/65	-60°/+150° -60°/+200°				



Valve group	Types	DN	PS (bar)	Ts (°C)	Fluid Group	PED category	Module	Certificate-no.
Float switch	AKS 38	32	28	-50°/+65°	1 and 2	I	A	-
Refrigerant discharge check valve	KDC GVD	65-100	40/52/ 65	-60°/+150°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
		125-200			1 and 2	III	H	H: 0045/202/1204/Z/00380 /22/D/000
Check valve	NRVA	32-65	40	-50°/+140°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
Motor operated valves	ICMTS 50/80	50 – 80	140	-60°/+150°	2	I	A	-
Oil regulating valve	ORV	32-80	40	-10°/+110°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
Solenoid valve	EVRA	32-40	42	-40°/+105°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
Electric expansion valves	AKVA	32 - 40	42	-40°/+105°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
Shut off valve Regulating valve Stop/Check valve Check valve Filters with F connection	SVL -F	32-50, 80	52	-60°/+150°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
		65, 100	52	-60°/+100°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
			45	+100°/+150°				
		125	43	-60°/-40°	1 and 2	III	H	H: 0045/202/1204/Z/00380 /22/D/000
			52	-40°/+50°				
			42	+50°/+100°				
			36	+100°/+150°				
		150	25	-60°/+150°	1 and 2	III	H	H: 0045/202/1204/Z/00380 /22/D/000
		200	25	-60°/+100°	1 and 2	III	H	H: 0045/202/1204/Z/00380 /22/D/000
			23	+100°/+150°				
Filters	FIA-140B	50-100	140	-40°/+150°	2	I	A	-
Check and Stop valve	OFC	50-100	23	0°/+100	2	I	A	-
Check valve	CHV-140B	40-100	140	-40°/+150°	2	I	A	-
Shut off valve	SVA-140B	50-100	140	-40°/+150°	2	I	A	-
Solenoid valve	EVR	32-40	42	-40°/+105°	2	I	A	-
Filters	FIA-140B	125-150	140	-40°/+150°	2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
Shut off valve	SVA-140B	125-150	140	-40°/+150°	2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000



Valve group	Types	DN	PS (bar)	Ts (°C)	Fluid Group	PED category	Module	Certificate-no.
Filters	DCR 048	V = 2L	90	-55°/+100°	2	I	D1	D1: 0045/202/9120/Z/00379/22/D /000(02)
Filters	DCR 096	V = 4L	90	-55°/+100°	2	II	D1	D1: 0045/202/9120/Z/00379/22/D /000(02)

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.

* -50 °C / max. +200 °C, depending on the selected SFA 10 in Catalog. Valid for TSmax are laser marked on valve bonnet and the operating instructions

** For Safety Valve d_0 is used, and not connection size DN.

Pressure Equipment Directive 2014/68/EU (PED)

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

EN14276-1: 2020 Pressure equipment for refrigerating system and heat pumps – Part 1: Vessels-General requirements.

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

EN ISO 4126-1: 2013 Safety devices for protection against excessive pressure – part 1: safety valves

Name and Address of the Notified Body monitoring the Manufacturer's Quality Assurance System carried out the Inspection

TÜV-NORD Systems GmbH & Co. KG.
Grosse Bahnstrasse 31
22525 Hamburg, Germany



For Product Types: Actuator for ICM valves

Electromagnetic Compatibility Directive 2014/30/EU (EMC)

EN 61000-6-3: 2007 Electromagnetic compatibility (EMC). Generic standards. Emission standard for residential, commercial and light-industrial environments

EN 61000-6-2: 2005 Electromagnetic compatibility (EMC). Generic standards. Immunity for industrial environments