



**Danfoss A/S**

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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 - KDC - GVD - HFI - PMFL/H - EVRA - EVR- OFC - FIA-140B - SVA-140B SVA-65BT

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 REG-SA		65	-60°/+150°					
	REG-SB SCA-X CHV-X FIA	125-200	52	-60°/+150°	1 and 2	III	H	H: 0045/202/9120/Z/00380 /22/D/000	
			65	-60°/+150°					
		SVA-DL SVA-DH	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/00423 /19/D/001 D: 0045/202/9120/Z/00378 /22/D/000
				40	-60°/+60°				
				36	60°/+80°				
				32	80°/+120°				
				28	120°/+150°				

Classified as Business

Date: 2023.3.28 Place of issue:  301700 Tianjin China	Issued by  <b>Signature:</b> <b>Name:</b> Zhang Jian <b>Title:</b> Lead Design Engineer	Date: 2023.3.28 Place of issue:  301700 Tianjin China	Approved by   <b>Signature:</b> <b>Name:</b> Xiao Jing (Amy) <b>Title:</b> Director of RD&E, RAC-RPC
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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°				
		300	36	-90°/+60°	1 and 2	IV	B+D	B: 0045/202/1201/Z/00424 /19/D/001 D: 0045/202/9120/Z/00378 /22/D/000
			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 <sub>0</sub> = 6,8	65	-50° / +200°*	1 and 2	IV	B + D	B: 0045/202/1201/Z/00662 /19/D/001 D: 0045/202/9120/Z/00378 /22/D/000
	SFA 15	** d <sub>0</sub> = 13	40	-50°/+100°	1 and 2	IV	B+D	B: 07 202 1423 Z 0080/14/D/0120 D:0045/202/9120/Z/003 78/22/D/000
	SFV 20-25	** d <sub>0</sub> =18,2 3	25	-50°/+100°	1 and 2	IV	B+D	B:0045/202/1204/Z/005 27/21/D/001 D:0045/202/9120/Z/003 78/22/D/000
	BSV	** d <sub>0</sub> = 8	25	-50°/+100°	1 and 2	IV	B+D	B:0045/202/1204/Z/005 26/21/D/001 D:0045/202/9120/Z/003 78/22/D/000



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 2I	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	-20°/+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
		100-150	40					
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						III
Check valve	NRVA	32-65	40	-50°/+140°	1 and 2	II	D1	D1: 0045/202/9120/Z/00379 /22/D/000
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
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	36	+100°/+150°				
			150	25	-60°/+150°	1 and 2	III	H
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	-
Shut off valve	SVA-140B	50-100	140	-40°/+150°	2	I	A	-
Solenoid valve	EVR	32-40	42	-40°/+105°	2	I	A	-

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)**

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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. 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)**

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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