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MANUFACTURER’S DECLARATION

Danfoss A/S

Danfoss Cooling Segment

Declares under our sole responsibility that the

Product category : Shut off valve, Sight glass, Expansion valve, TXV, Check valves, Differential pressure valve

Type designation(s):

Shut off valve	Type GBC, BM
Sight glass	Type SG, SGP, SGS
Check valves	Type NRV/NRVH, NRV10s H, CCV
Differential pressure valve	Type NRD
Thermal Expansion Valves	Type TGE10-TGE20-TGE40, TD1/TDE1
Capacity Regulator	Type TGHE10-TGHE20-TGHE40

Types	Range	DN (mm)	PS (Bar)	TS (°C)	Tightness level
GBC	6s-42s ⁽¹⁾	6-42	45	-40~100	A1
	6s CO2-42s ⁽¹⁾ CO2	6-42	45	-40~100	A1
	6s E-42s ⁽¹⁾ E	42	49	-40~150	A1
BM	BML 6-18 BML 6s-22s BMT 6	6-22	28	-55~100	B1
TG(H)E	TGE10-TGE40	6~32	46	-40~85	A1
TD1/TDE1	TD1/TDE1	6~12	34	-50~60	A1
NRV/NRV H NRD	NRV/NRVH 6s~35s NRD 6s~12s	6-32	46	-50 ~ 140	A1
	NRV/NRVH 6s~35s NRD 6s~12s	6-32	49	-50 ~ 155	A1

Date: 2024.03.20 Place of issue: 301700 Tianjin China	Issued by DocuSigned by: Yong Liu 2594075404626426 Signature: Name: Yong Liu Title: Senior Design Engineer	Date: 2024.03.20 Place of issue: 301700 Tianjin China	Approved by DocuSigned by: Amy Xiao 203E0641864AC2 Signature: Name: Jing(Amy) Xiao Title: Head of RAC RD&E China
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	NRV/NRVH 6-19	6-19	46	-50 ~ 140	B1
NRV10s H	NRV10s H	10	90	-50 ~ 155	A1
	NRV10s H	10	117	-50 ~ 155	A1
CCV	CCV 6s~35s	6-32	45	-50 ~ 155	A1
SG	SG 6s~22s	6-25	35	-50 ~ 80	A1
	SGH 6s~22s	6-25	46	-50 ~ 80	A1
	SGR	6-25	35	-50 ~ 80	B1
	SGRH	6-25	46	-50 ~ 80	B1
	SG 6~19	6~19	35	-50 ~ 80	B1
SGP	SGP6s~22s	6-25	52	-50 ~ 80	A1
	SGPR	6-25	52	-50 ~ 80	B1
	SGP 6~19	6~19	52	-50 ~ 80	B1
SGS	SGS	6-25	52	-50 ~ 80	B1

(1) GBC 42s, GBC 42s CO2, GBC 42s E with out access port.

Covered by this declaration is in conformity with the following standard, provided that the product is used in accordance with our instructions.

Refrigerating systems and heat pumps – Qualification of tightness of components and joints Standard EN ISO 14903:2017

Tightness level A1: Hermetically sealed components

Tightness level B1: Closed joints components



MD change history record

Version	Date	Change description	Remark
AA	2020-10-20	Initial the preliminary version	
AB	2023-06-13	Add GBC 42s E without access port tightness level	
AC	2023-11-24	Add GBC 35s tightness level Update GBC & GBC E TS	
AD	2024-03-20	Add TD ₁ /TDE ₁	