

CERTIFICATE

Conformity based on full quality assurance
according to directive 2014/68/EU

Certificate No.: 07/202/1201/Z/0047/16/D0085

Name and address of manufacturer: **Danfoss A/S**
Industrial Refrigeration
Albuen 29
DK-6000 Kolding

We hereby certify that the manufacturer has established a **quality system** for the manufacturing of pressure equipment according to directive 2014/68/EU. The manufacturer is entitled to mark the pressure equipment produced within the range of the quality system with the following mark:

CE 0045

Tested according to 2014/68/EU: **Module H**

Audit report No.: 1201/P/0047/16/D0085/01 and 1201/P/0046/16/D0085/01

Range of products: **Control-, solenoid- and manual valves for industrial refrigeration** (see enclosed list of valve types)

Place of manufacture:

- **Danfoss A/S, Danfoss Industrial Refrigeration, Albuen 29, 6000 Kolding, Danmark**
- **Danfoss (Tianjin) Ltd, Production Plant (Wuqing), No.9 Quanhui Road, Wuqing Development Area, 301700 Tianjin, China**

This certificate is valid until: **30th September 2019**

Hamburg, 30. September 2016

Notified Body (0045)
for pressure equipment


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Mitglied der



CONFÉDÉRATION EUROPÉENNE D'ORGANISMES DE CONTRÔLE

IRF 2016 Valve production in DK and CN for Category II + III + IV

PRODUCT - GROUP	Type designation	PED Module	DN	PS	PS	PED Categories	Production	Production		
									Bar	Bar
ALL	General / comments									
Stop Valve	SVA-S		Stop Valves	D1	32- 100	52		II		X
Stop Valve	SVA-S		Stop Valves	D1	32 - 100		65	II		X
Stop Valve	SVA-S		Stop Valves	H	125 - 200	52		III		X
Stop Valve	SVA-S		Stop Valves	H	125 - 150		65	III		X
Stop Valve	SVA		Stop Valves Compressor	D1	65 - 100	52		II		X
Stop Valve	SVA		Stop Valves Compressor	H	125	52		III		X
Stop Valve	SVA	DH	Stop Valves - high Δp	H	250	40		III		X
Stop Valve	SVA	DH	Stop Valves - high Δp	B+D	300	40		IV		X
Stop Valve	SVA	DL	Stop Valves - low Δp	H	250	40		III		X
Stop Valve	SVA	DL	Stop Valves - low Δp	B+D	300	40		IV		X
Stop Valve	SVA-S	SS	Stop Valves-stainless steel	D1	32- 100	52		II		X
Stop Valve	SVA-S	SS	Stop Valves-stainless steel	H	125	52		III		X
Regulating valve	REG	SA/SB	Regulating Valve	D1	32- 65	52		II		X
Regulating valve	REG	SA/SB	Regulating Valve	D1	32 - 50		65	II		X
Regulating valve	REG	SA/SB	Regulating Valve	D1	65		65	II		X
Regulating valve	REG	SS	Stainless Regulating Valve	D1	32- 65	52		II		X
Check Valve	SCA	-	Stop Check Valve	D1	32- 100	52		II		X
Check Valve	SCA	-	Stop Check Valve	D1	32 - 100		65	II		X
Check Valve	SCA	-	Stop Check Valve	H	125	52		III		X
Check Valve	SCA	-	Stop Check Valve	H	125		65	III		X
Check Valve	SCA	SS	Stop Check Valve	D1	32- 40	52		II		X
Check Valve	CHV	-	Check Valve	D1	32- 100	52		II		X
Check Valve	CHV	-	Check Valve	D1	32 - 100		65	II		X
Check Valve	CHV	-	Check Valve	H	125	52		III		X
Check Valve	CHV	-	Check Valve	H	125		65	III		X
Check Valve	CHV	SS	Check Valve	D1	32- 40	52		II		X
Filter	FIA		Filter	D1	32- 100	52		II		X
Filter	FIA		Filter	D1	32 - 100		65	II		X
Filter	FIA		Filter	H	125 - 200	52		III		X
Filter	FIA		Filter	H	125 - 150		65	III		X
Filter	FIA		Filter	H	250	40		III		X
Filter	FIA		Filter	B+D	300	40		IV		X
Filter	FIA	SS	Filter	D1	32- 100	52		II		X
Filter	FIA	SS	Filter	H	125	52		III		X
Other	KDC-GVD	-	Compressor Discharge valve	D1	65 - 100	52		II	X	
Other	KDC-GVD	-	Compressor Discharge valve	H	125 - 200	52		III	X	
Other	GPLX	-	Gas powered ON-OFF valve	D1	80 - 100	52		II	X	
Other	GPLX	-	Gas powered ON-OFF valve	H	125 - 150	52		III	X	
ICV	ICF	-	ICV Valves	D1	32 - 40	52	65	II	X	
ICV	ICF Large	-	ICV Valves	D1	40-80	52	65	II	X	
ICV	ICS-ICL-ICM-ICLX	-	ICV Valves	D1	32-65	52		II	X	
ICV	ICS-ICL-ICM-ICLX	-	ICV Valves	D1	32-100		65	II	X	
ICV	ICS-ICL-ICM-ICLX	-	ICV Valves	H	125 -150	52		III	X	
ICV	ICS-ICL-ICM-ICLX	-	ICV - F Valves	D1	25-65	28		II	X	
Float Valve	HFI	Volume	Float Valve	H	100 - 150	25		III	X	
Float Valve	SV 5-6	Volume	Float Valve	D1	-	25		II	X	
Safety	BSV	-	Safety Valve	B+D	8	25		IV	X	
Safety	SFA	-	Safety Valve	B+D	15	40		IV	X	
Safety	SFV	-	Safety Valve	B+D	20 - 25	25		IV	X	
Safety	DSV 2	-	Double Stop Valves (SFV / SFA 15-25)	D1	32	40		II		X
Safety	POV 1050-2150		Pilot operated internal safety valves	D1	65-80	40		II	X	
PM	PMFL	-	Main valves Liquid level LP (80-300)	D1	32 -65	28		II	X	
PM	PMFH	-	Main valves Liquid level HP (80-500)	D1	32 -65	28		II	X	
Solenoid	EVRA	-	Solenoid valves	D1	32-40	42		II	X	
Other	ORV		Oil Temperature Control Valve	D1	65-80	40		II		X
Check Valve	NRVA	-	Check Valve	D1	32 - 65	40		II		X
Expansion	AKVA	-	Electronic expansion valve	D1	32- 40	42		II	X	

Remark: For Conformity assessment acc. to Module D/D1 see Certificate 07/202/1201/Z/0046/16/D0085

