

ENGINEERING
TOMORROW

Danfoss

Danfoss SFA 10 safety valve and DSV 10 change over valve

The safe choice for Food Retail and Industrial Refrigeration applications

Danfoss is widening its range of highly reliable safety valves designed to industrial standards, relevant for CO₂, low charge ammonia and H(C)FC systems.



Introducing a wider range of **highly reliable safety valves**

SFA 10

safety valve:

- ✓ Easy installation
- ✓ Perfect reseating
- ✓ Unchanged setpoint
- ✓ Trouble-free service



Refrigerants	R744, R717, HFC's
Pressure rating	Up to 65 bar
Temperature range	-50°C ... +100°C
Thread	NPT or G1/2" inlet thread NPT or G3/4" outlet thread
Effective discharge area	30,9 mm ² (10-27 bar) 30,1 mm ² (28-65 bar)

DSV 10

change over valve:

- ✓ Position indicator – less risk of errors during service
- ✓ Easy installation – reducer for perfect positioning
- ✓ Blind plug available – for system pressure testing



Refrigerants	R717, R744, HFC, HCFC
Pressure rating	65 bar
Temperature range	-50°C ... +100°C
Connections	NPT or G3/4" inlet thread
Kv / Cv value	Kv 5,5 m ³ /hr Cv 6,4 Usgal/min

G-thread Sales Codes

Code number	Description
148F42(10-65)	SFA 10 T 2(10-65)
148F43(10-65)	SFA 10 T 3(10-65) with TÜV certificate
148F3054	DSV 10 G Change over valve

NPT thread Sales Codes

Code number	Description
148F52(xx)*	SFA 10 NPT 2(xx)* Selected set pressure
148F3055	DSV 10 NPT Change over valve
148F63(xx)*	SFA 10/DSV 10 NPT 2(xx)* Bundled version Selected set pressure

(xx)* Available set pressures: 13,16,17,18,20,21,22,24,25,28,32,35,38,40,50,52,60,65 bar

Spare Parts

Code number	Description
G-thread	
148F3068	SFA 10/DSV 10 Inspection kit (G-thread only)
Any thread type	
148F3069	SFA 10 Repair kit 10 – 27 bar
148F3070	SFA 10 Repair Kit 28 – 40 bar
148F3071	SFA 10 Repair Kit 41 – 48 bar
148F3073	SFA 10 Repair Kit 49 – 57 bar
148F3074	SFA 10 Repair Kit 58 – 65 bar

Accessories

Code number	Description
G-thread	
148F3063	DSV 10 Cap and alu gasket for testing (2 pcs)
148F3064	DSV/SFA/SFV Non-stick grease (10 pcs)
148F3067	Nipples + Gaskets set for DSV 10/SFA 10 (20T/ND15)
148F3075	SFA 10 G Inlet weld connector DN15
NPT thread	
148F3072	DSV 10 T Plug 1/2" NPT (2 pcs)
148F3076	SFA 10 NPT Inlet weld connector DN15 (for installation on system)

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