

Fig. 1 - I

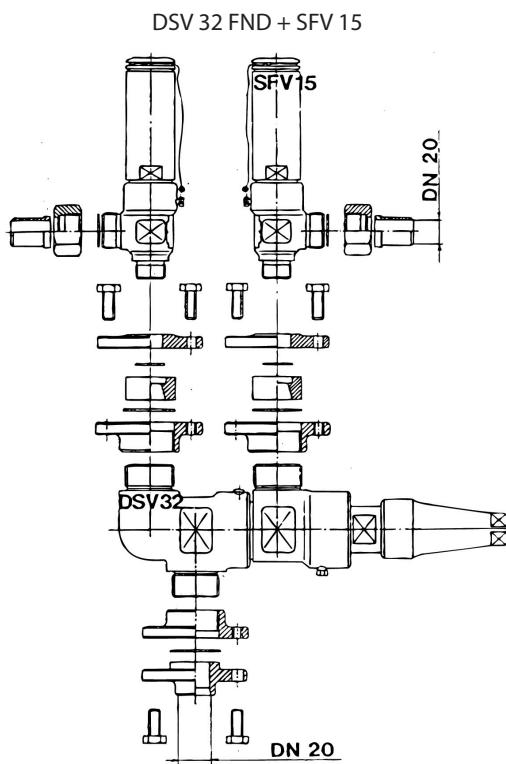


Fig. 1 - II

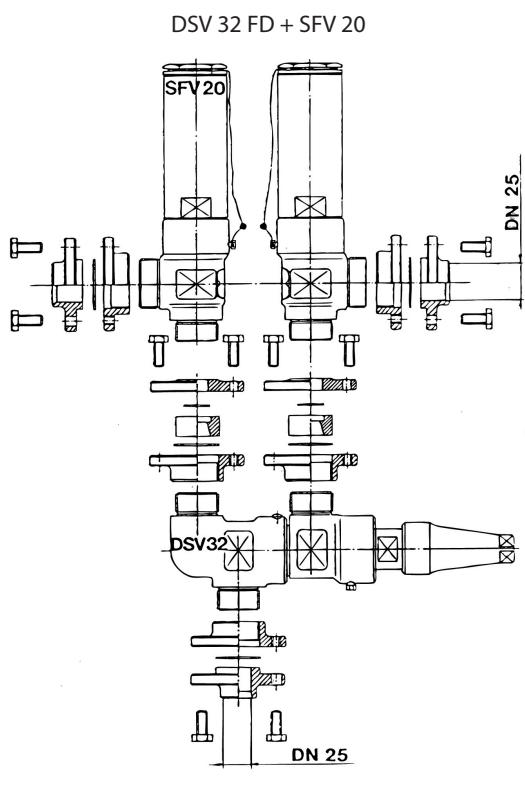


Fig. 1 - III

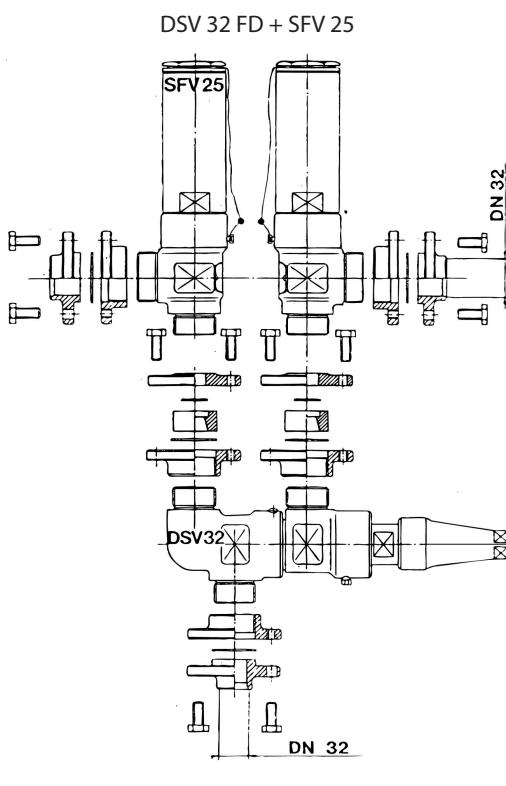


Fig. 1 – IV

Installation**Refrigerants**

Applicable to all common non-flammable refrigerants, including R717 and non-corrosive gases/liquids dependent on sealing material compatibility.

Flammable hydrocarbons are not recommended. The valve is only recommended for use with safety valves type SFV. For further information please contact Danfoss.

Temperature range

DSV: -50/+100°C (-58/+212°F)

Pressure range

The valves are designed for a max. working pressure of 25 bar g (363 psi g).

Installation

Applied in connection with safety valves (SFVs) installation instruction for safety valves must be followed.

The double stop valve (DSV) and the two safety valves are to be mounted as indicated on fig. 1.

IMPORTANT:
**THE INLET/OUTLET PIPE DIMENSIONS
MUST NOT BE SMALLER THAN THOSE OF
THE SAFETY VALVES.**

The valve is designed to withstand a high internal pressure. However, the piping system should be designed to avoid liquid traps and reduce the risk of hydraulic

pressure caused by thermal expansion. It must be ensured that the valve is protected from pressure transients like "liquid hammer" in the system.

Welding

If welding fittings are applied, these should be dismounted during the welding process (fig. 2).

Only materials and welding methods, compatible with the flange material, must be welded to the flange.

Avoid welding debris and dirt in the threads of the housing and the pipes.

Assembly

Remove welding slag and dirt from tubes and housing before the valve is mounted.

Mount the valve as shown in fig. 1.

Operating Instructions

When the spindle is turned clockwise (fig. 3-I) the inlet socket C is connected to outlet B. When the spindle is turned anticlockwise (fig. 3-II) the inlet socket C is connected to outlet A.

Colours and identification

The DSV valves are painted with a red oxide primer in the factory. The external surface of the valve housing must be prevented against corrosion with a suitable protective coating after installation and assembly.

In cases of doubt, please contact Danfoss.

Danfoss accepts no responsibility for errors and omissions. Danfoss Industrial Refrigeration reserves the right to make changes to products and specifications without prior notice.

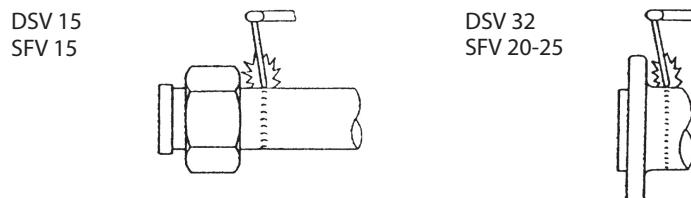


Fig. 2

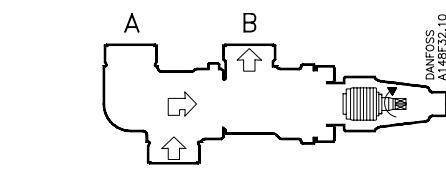


Fig. 3 - I

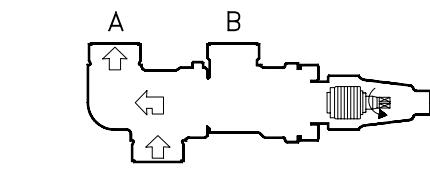


Fig. 3 - II

DECLARATION OF CONFORMITY
The Pressure Equipment Directive 97/23/EC



Name and Address of Manufacturer within the European Community

Danfoss Industrial Refrigeration A/S
Stormosevej 10
PO Box 60
DK-8361 Hasselager
Denmark

Description of Pressure Equipment

Refrigerant safety valve

Type DSV 32

Nominal bore	DN 32 (1½ in.)	
Classified for	Fluid Group I (all refrigerants (toxic, nontoxic, flammable and nonflammable)). For further details / restrictions - see Installation Instruction.	
Temperature range	DSV 32	–30°C/+100°C (–22°F/+212°F)
Restrictions	DSV 32	Only for use in systems in conjunction with two SFV 15 or two SFV 20 (Max. 3% pressure drop in upstream line according to prEN13136)
Maximum allowable working pressure	DSV 32	25 bar (363 psi) –50°C/+100°C (–58°F/+212°F)

Conformity and Assessment Procedure Followed

Category	I
Module	A
Nominal bore	Standard application DN 32 (1½ in.)

Name and Address of the Notified Body which carried out the Inspection

TÜV-Nord e.V.
Grosse Bahnstrasse 31
22525 Hamburg, Germany



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

TÜV-Nord e.V.
Grosse Bahnstrasse 31
22525 Hamburg, Germany

References of Harmonised Standards used

EN 10222-4

References of other Technical Standards and Specifications used

prEN 12284 prEN 13136

AD-Merkblätter DIN 3158

Authorised Person for the Manufacturer within the European Community

Name: Morten Steen Hansen

Title: Production Manager

Signature:



Date: 29/11/2001

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