



#### ENGLISH

#### Installation

##### Refrigerants

Applicable to all common refrigerants, including R717, H<sub>2</sub>S and non-corrosive gases/liquids dependent on sealing material compatability. The valve is only recommended for use in closed circuits. For further information please contact Danfoss.

##### Temperature range

SNV: -60/+150°C (-76/+302°F)

##### Pressure range

SNV: The valves are designed for a max. working pressure of 52 bar g (754 psig).

##### Installation

The valve must be installed with the spindle vertically upwards or in horizontal position (fig. 1). Valves should be opened by hand according to sound engineering practice only by use of small spanners. 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.

##### Recommended flow direction

Flow direction as indicated by the arrow (fig. 2). The force used to open and close the valve must not exceed the force of an ordinary handwheel.

The valve housing must be free from stresses (external loads) after installation.

SNV valves must not be mounted in systems where the outlet side of the valve is open to atmosphere. The outlet side of the valve must always be connected to the system or properly capped off, for example with a welded-on end plate.

##### Identification

Precise identification of the valve is made via the stamping on the valve body.

##### Surface Treatment

SNV-ST is externally zinc-chromated and SNV-SS is made of stainless steel. The external surface of the valve housing can be further prevented against corrosion with a suitable protective coating.

#### Maintenance

SNV valves are assembled without the possibility to be disassembled. The spindle can in no way be unscrewed. This will protect the system from tampering.

##### Packing gland

If the packing gland is found to be leaking, there is a possibility to tighten it by carefully screwing with a wrench. Make sure not to apply very high force and we recommend turning the packing gland in steps and to check the leaking in between.

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.

**Name and Address of Manufacturer's Representative within the European Community**

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**Declaration**

We hereby declare that below-mentioned equipment are Classified for Fluid Group I (all refrigerants (toxic, non-toxic, flammable and non-flammable)), and that all are covered by Article 3, paragraph 3.  
For further details / restrictions - see Installation Instruction

**Description of Pressure Equipment**

Refrigerant stop valve, with angled bonnet arrangement  
Type **SNV-ST** and **SNV-SS**

Nominal bore	<b>DN ≤ 25 mm (1 in.)</b>
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**References of other Technical Standards and Specifications used**

prEN 12284    DIN 3158  
AD-Merkblätter

**Authorised Person for the Manufacturer's Representative within the European Community**

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