

APPROVAL HOLDER:

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**Documentation of mechanical/physical characteristics for:
Backflow preventer – Low pressure vacuum valve
NITO SAFEONE
dim. 1/2" and 3/4"**

MAKE:

Nito A/S, Denmark

This approval is based solely on the Building Regulations requirements for documentation of the mechanical / physical characteristics ref. section 418.

LABELLING:

- NITO
- Approval number
- Approval label: 

The approval holder is obliged to ensure that the requirements of the Building Regulations section 417 are met.

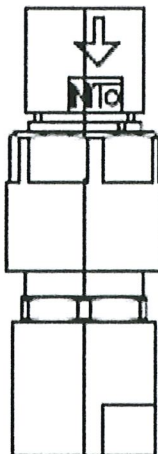
CONDITIONS OF INSTALLATION AND USE:

The combined backflow preventer NITO SAFEONE may be used in cases where DS 439, Norm for water installations, or the VA approvals of devices or machines require prevention by means of a non-return valve as well as a vacuum valve. If the non-return valve is to be controllable, the backflow preventer should be installed after a stop valve.

QUALITY CONTROL:

Approval holder maintains compulsory control agreement with The Danish Technological Institute, Aarhus.

The backflow preventer may be installed with a connection hose to the device or machine from where backflow can take place. The preventer must be installed vertically with a downward flow direction at a height of no less than 250 mm above the highest point on the following installation.



The backflow preventer may be mounted as a permanent installation directly on a device or a machine where backflow can take place. The preventer must be mounted with a downward flow direction.

In addition, the installation must be carried out in accordance with DS 439, Standard for Water installations.

Prior to use, the building owner must ensure that section 419 of the Building Regulations is met.

Furthermore, the backflow preventer must be mounted according to the approval holders conditions.

DESCRIPTION AND TECHNICAL DATA:

The backflow preventer consists of a house with a built-in non-return valve in the direction of the water flow. After the non-return valve is a chamber that can be opened by means of a spring-loaded poppet valve that controls a membrane between the chamber and the inlet side.

At normal pressure and flow conditions the membrane ensures that the valve can withstand the pressure. If a pressure drop occurs on the inlet side, the pressure difference will make the membrane open the valve and the chamber will be drained of water.

For information about the Pressure Drop Coefficient - zeta (ζ) please contact the approval holder.

Material:
Housing: Brass

Medium category:
Medium category: 3, this method only covers the risk if P = atm

Field of application:
In accordance with DS/EN 1717

Type of prevention:
DA