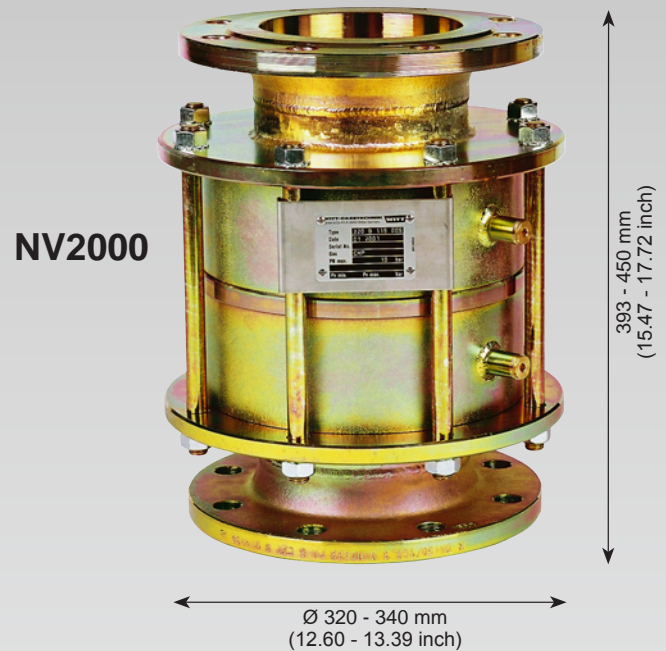


NON-RETURN VALVES



WITT non-return valves for reliable protection against dangerous reverse gas flow. Every non-return valve 100% tested.

Benefits

- a spring loaded non-return valve prevents back feeding of gases which could lead to unwanted gas mixtures
- low pressure drops – using complex valve assembly with low opening pressures, NV800 approx. 6 - 8 mbar, NV2000 approx. 5 mbar
- no leaks – using of a spring loaded valve assembly with elastomer sealing
- stainless steel filter (100 µm) in the gas inlet protects the non-return valve against dirt contamination, extending the service life
- diverse applications – useful for many technical gases
- reduce installation costs – the spring loaded valve is not affected by gravity and may be installed in any orientation (NV800 only)

Operation / Usage

- non-return valves are used to protect equipment and pipelines against dangerous reverse gas flow. Use is possible for applications according to EN 746-2

- the NV800 may also used as a safety device to protect against flashbacks (proved in accordance to EN 730) from natural gas with air
- the NV2000 may be mounted vertical in bottom-up flow direction
- the maximum ambient / working temperature is 70 °C / 158 °F

Maintenance

- annual testing of the non-return valve and body leak tightness is recommended
- WITT is happy to supply special test equipment
- non-return valves are only to be serviced by the manufacturer

Approvals

Company certified according to ISO 9001, ISO 14001 and PED 97/23/EC Module H
CE-marked according to:
- PED 97/23/EC

Product Information

Technical Data

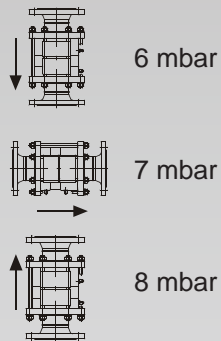
| Model | Max. working pressure [bar] | According to EN 730 | Material | Weight [kg] | Connection flange PN 16, DIN 2633 | Order-No. |
|--------|--|---------------------|---|-------------|-----------------------------------|--------------|
| NV800 | Town gas (C), Natural gas (M) and LPG (P) Oxygen (O) Compressed air (D) Non-flammable gases | 10 | flame-arresting at combustion of Natural gas with air 8 bar | 20 | DN 80 | 800 080.001 |
| | | | | | DN 100 | 2000 119.002 |
| NV2000 | Town gas (C), Natural gas (M) and LPG (P) | 10 | - | 50 | DN 125 | 2000 119.003 |
| | | | | | DN 150 | 2000 119.004 |
| | | | | | DN 175 | 2000 119.006 |
| | | | | | DN 200 | 2000 119.007 |

Other connections available on request

NON-RETURN VALVES

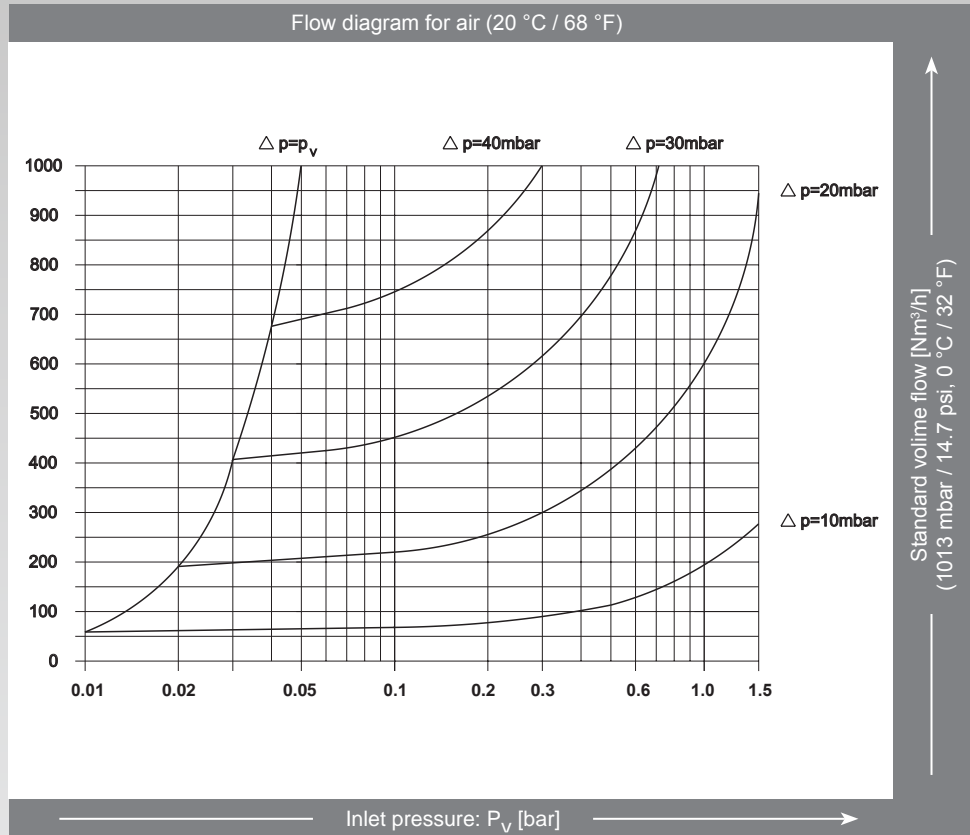
www.wittgas.com

NV800



Conversion factors:

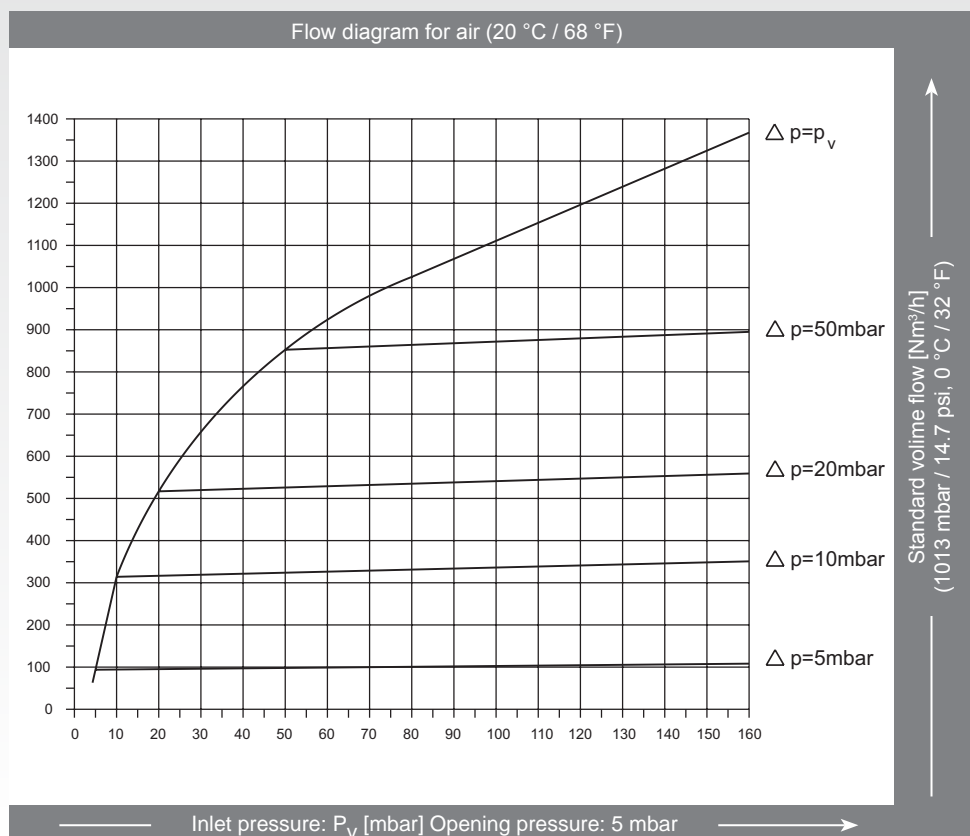
| | |
|-------------|--------|
| Butane | x 0.68 |
| Natural Gas | x 1.25 |
| Methane | x 1.33 |
| Propane | x 0.80 |
| Oxygen | x 0.95 |
| Town gas | x 1.54 |
| Hydrogen | x 3.75 |



NV2000

Conversion factors:

| | |
|-------------|--------|
| Butane | x 0.68 |
| Natural Gas | x 1.25 |
| Methane | x 1.33 |
| Propane | x 0.80 |
| Oxygen | x 0.95 |
| Town gas | x 1.54 |
| Hydrogen | x 3.75 |



Technical Data

A01/C1 subject to change