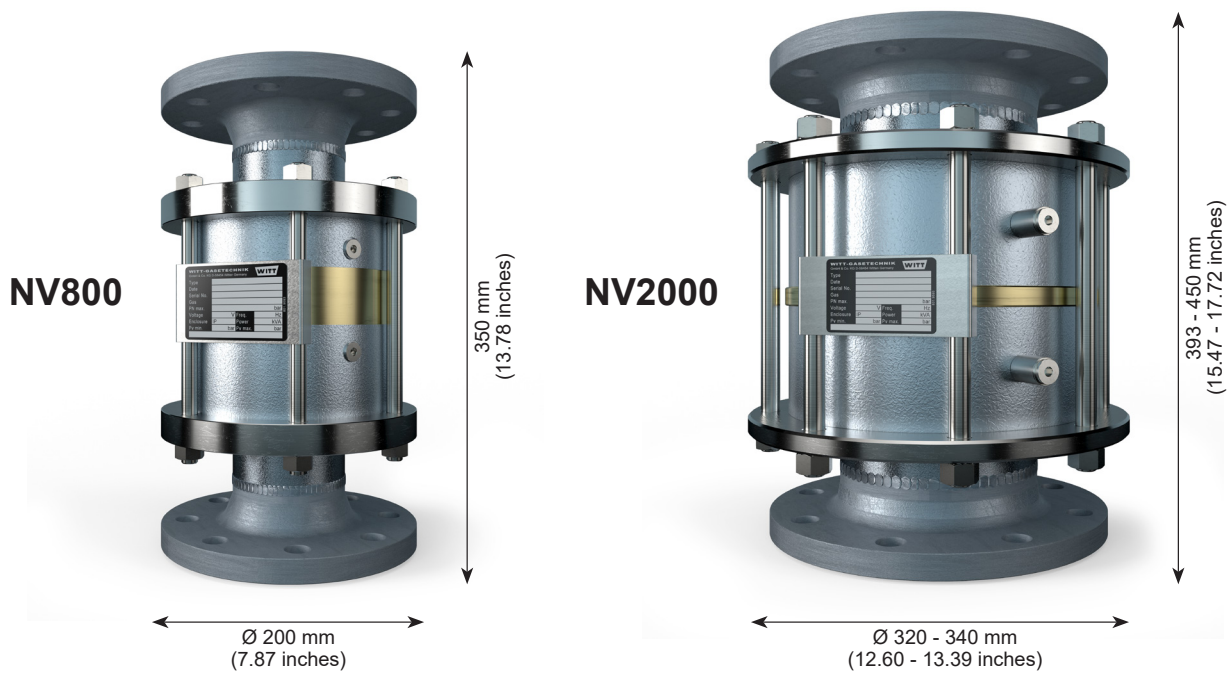


# NON-RETURN VALVES NV800 / NV2000



**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 non-return valves are tested to DIN EN ISO 5175-2. They may also used as a safety device to protect

- against flashbacks (proved in accordance to DIN EN ISO 5175-1 point 6.7) from combustion 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
- non-return valves are only to be serviced by the manufacturer

### Approvals

Company certified according to ISO 9001 and PED 2014/68/EU Module H

CE-marked according to:

- PED 2014/68/EU

Designed for Oxygen Service in accordance with EIGA 13/20 and CGA G-4.4: Oxygen Pipeline and Piping Systems

Cleaned for Oxygen Service in accordance with EIGA 33/18 and CGA G-4.1: Cleaning of Equipment for Oxygen Service

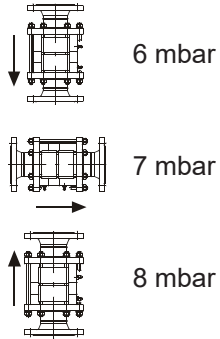
Model	Max. working pressure [bar]	According to DIN EN ISO 5175-1	Material	Weight [kg]	Connection flange PN 16, DIN 2633	Order-No.
NV800	Town gas (C), Natural gas (M) and LPG (P) Oxygen (O) Compressed air (D) Non-flammable gases	10	flame-arresting at combustion of Natural gas with air 8 bar	20	DN 80	800080001
					DN 100	2000119002
NV2000	Town gas (C), Natural gas (M) and LPG (P)	10	-	50	DN 125	2000119003
					DN 150	2000119004
					DN 150	2000119006
					DN 200	2000119007

Other connections available upon request

# NON-RETURN VALVES NV800 / NV2000

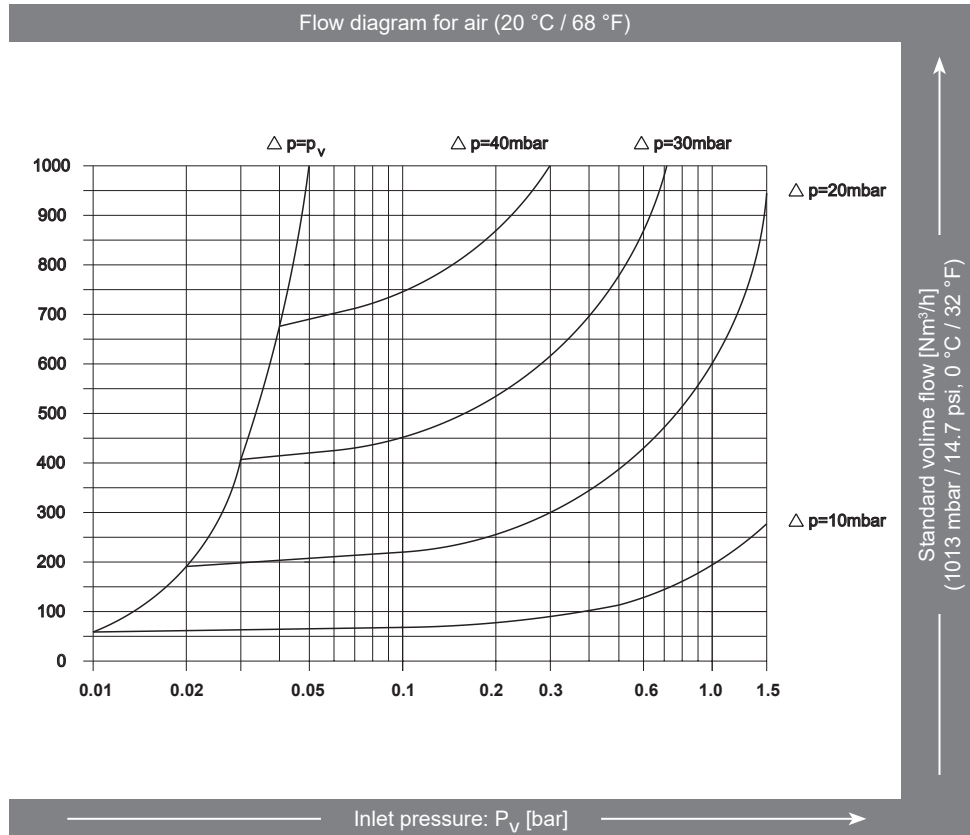


## NV800



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

