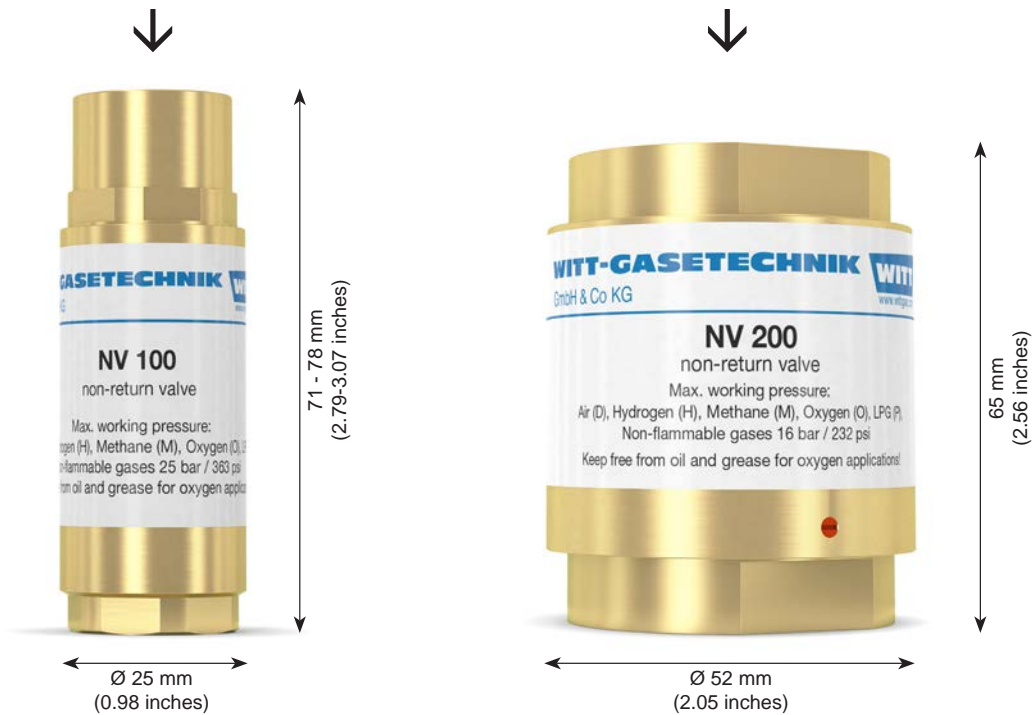


# NON-RETURN VALVES NV100 / NV200



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

The best non-return valves in the world

### 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 (Model NV200 – approx. 4 mbar, Model NV100 – approx. 30 mbar)
- no leaks – using of a spring loaded valve assembly with elastomer sealing
- stainless steel filter (100 µm – only Model NV200) 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

### 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

- WITT non-return valves may be mounted in any position / orientation
- 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. The dirt filter may be replaced by competent staff (only NV200, G 1)

### Approvals

Company certified according to ISO 9001 and

PED 97/23/EC Module H

CE-marked according to:

- PED 97/23/EC

Cleaned for Oxygen Service according to:

- EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems

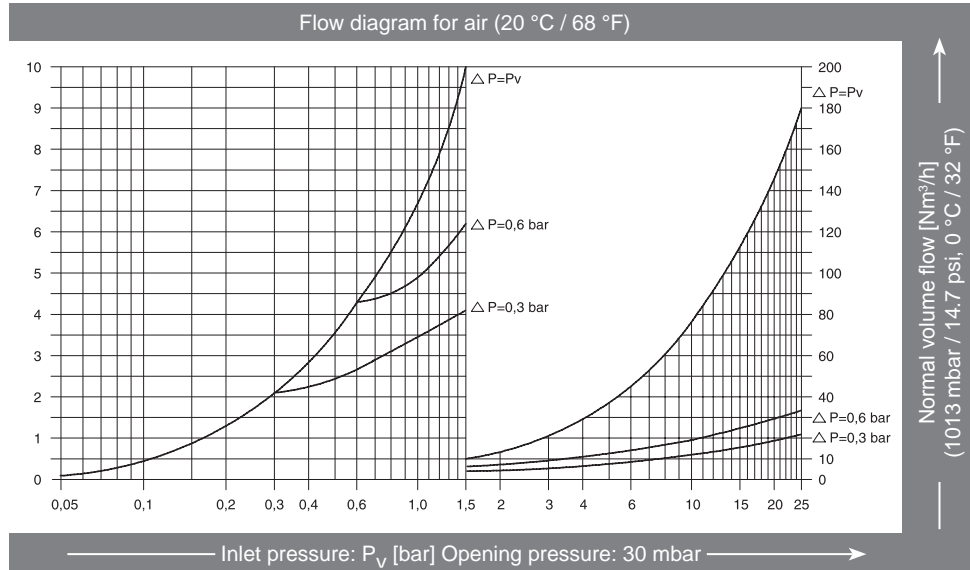
Model	Max. working pressure [bar]	Housing-Material	Seal-Material	Weight [g]	Connection [inch]	Order-No.
NV100	Town gas (C), Natural gas (M), LPG (P), Hydrogen (H), Oxygen (O), Compressed air (D) non-flammable gases	Brass	Elastomer	190	G 1/8	100145-001
					G 1/4	100145-002
					G 3/8	100145-003
NV200	(Model NV100) 25 (Model NV200) 16	Brass	Elastomer	745	G 1/2	200037-008
				686	G 3/4	200037-009
				589	G 1	200037-010

Other connections available upon request

## NV100

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



## NV200

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

