

# NON-RETURN VALVES NV100



**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 (approx. 30 mbar)
- no leaks – using of a spring loaded valve assembly with elastomer sealing
- 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

#### Approvals

Company certified according to ISO 9001

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	25	Brass	Elastomere	190	G 1/8	100145-001
						G 1/4	100145-002
						G 3/8	100145-003
	Town gas (C), Natural gas (M), LPG (P), Hydrogen (H), Oxygen (O), Compressed air (D) non-flammable gases	25	Stainless steel		150	G 1/8	–
					G 1/4	145GRS-009	
					G 3/8	145GRS-011	

Other connections available upon request

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## 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

