

# 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
- in accordance with DIN EN ISO 5175-2
- 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 60 °C / 140 °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  
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]	Housing-Material	Seal-Material	Weight [g]	Connection [inch]	Order-No.
NV100	Acetylene (A)	1.5	Brass	Elastomere	190	G 1/8	100145-001
	Town gas (C), Natural gas (M), LPG (P), Hydrogen (H), Oxygen (O), Compressed air (D) non-flammable gases	25.0				G 1/4	100145-002
						G 3/8	100145-003
	Acetylene (A)	1.5	Stainless steel		150	G 1/8	–
	Town gas (C), Natural gas (M), LPG (P), Hydrogen (H), Oxygen (O), Compressed air (D) non-flammable gases	25.0			G 1/4	145GRS-009	
					G 3/8	145GRS-011	

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

