

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 – approx. 3.0 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

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
- non-return valves are tested to DIN EN ISO 5175-2
- stainless steel non-return valves – ideal for use with corrosive gases in the chemical industry, process technology or in the laboratory area

- 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, body leak tightness and flow capacity 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 according to model by competent staff

Approvals

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

CE-marked according to:
- PED 2014/68/EU

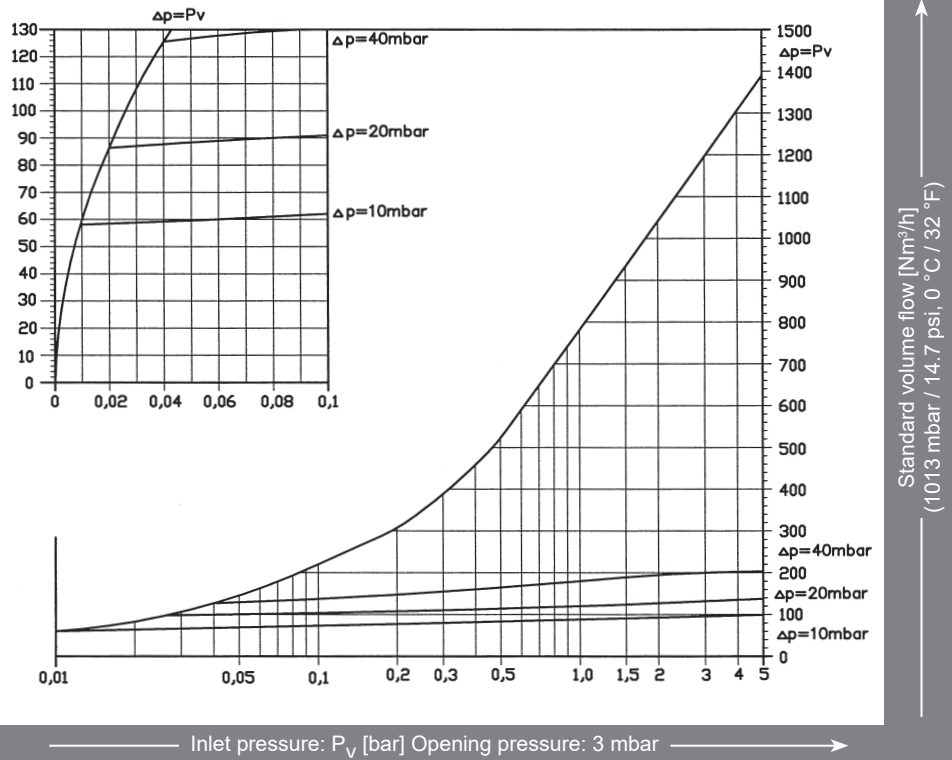
Designed for Oxygen Service in accordance with EIGA 13/20 and CGA G-4.4: Oxygen Pipeline and Piping Systems
Cleaned for Oxygen Service in accordance with EIGA 33/18 and CGA G-4.1: Cleaning of Equipment for Oxygen Service

Model	Max. working pressure	[bar]	Seal-Material	Housing-Material	Weight [g]	Connection [inch]	Order-No.
NV400	Town gas (C), Natural gas (M) and LPG (P), Hydrogen (H), Oxygen (O), Compressed air (D) non-flammable gases	16	Elastomer	Brass	2 789	G 1.1/2	400038024
						G 2	400038008
				Stainless steel	2 665	G 1.1/2	038-014
					2 633	G 2	038-022

Other connections available upon request

NV400

Flow diagram for air (20 °C / 68 °F)



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