

NON-RETURN VALVES

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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
- 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 9001:2000 and ISO 14001
 CE-marked according to:
 - PED 97/23/EG

Product Information

Technical Data

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)	Brass	Elastomer	190	G 1/8	100 145.001
					G 1/4	100 145.002
					G 3/8	100 145.003
NV200	Compressed air (D) non-flammable gases (Model NV100) 25 bar (Model NV200) 16 bar	Brass	Elastomer	745	G 1/2	200 037.008
				686	G 3/4	200 037.009
				589	G 1	200 037.010

Other connections available on request

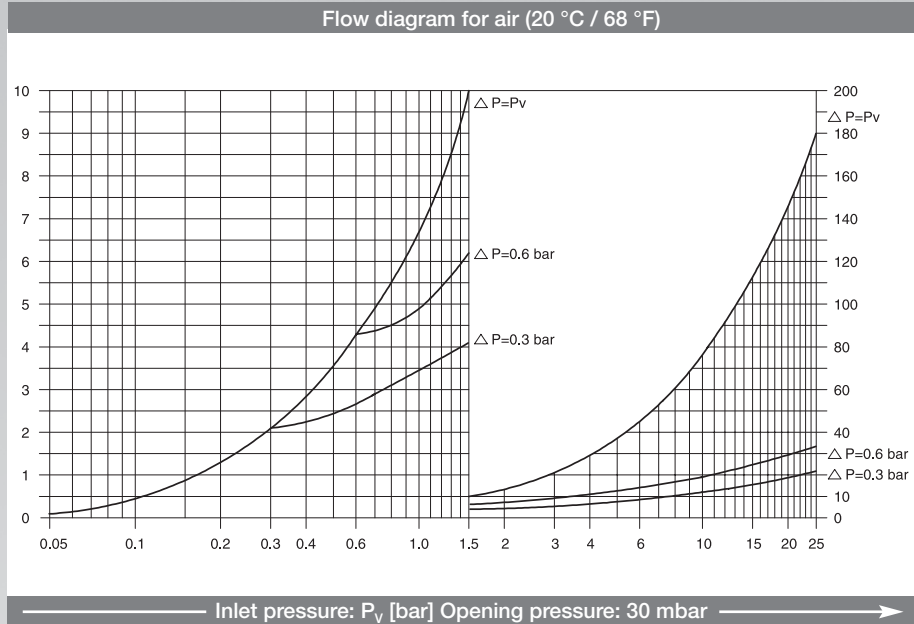
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NV100

Conversion factors:

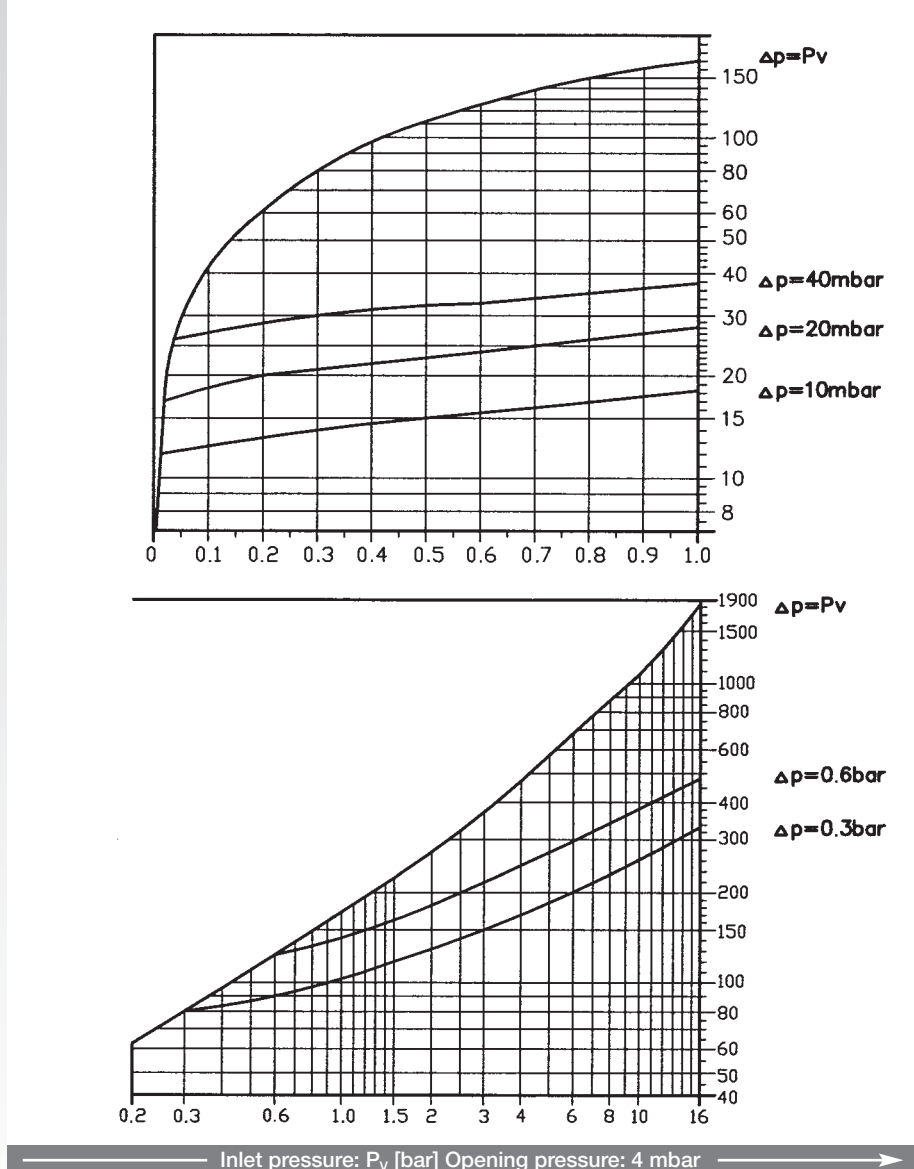
Butane	x 0.68
Natural Gas	x 1.25
Methane	x 1.33
Propane	x 0.80
Oxygen	x 0.95
Town gas	x 1.54
Hydrogen	x 3.75



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



Technical Data

E7 subject to change