

GAS NON-RETURN VALVES NV300 and NV400



Product information

Benefits

- the non-return valves prevent backfeeding of gases which could lead to flammable mixtures being formed
- minimum pressure drops result from low opening pressures. Model NV 400 is approximately 4 mbar (0.058 psi)
- the valve mechanism is protected by a mesh filter
- the valves are suitable for use with most non-corrosive gases
- the spring loaded valve is not affected by gravity and may be installed in any position

Applications

Non-return valves are safety devices to prevent backfeeding of gases. They can also be used in accordance with EN 746 section 2 in applications where the maximum temperature does not exceed 70° C (158° F).

Maintenance

In common with safety equipment non-return valves should be tested at least once a year for function and body leak tightness. Testing equipment is available on request. Witt non-return valves should only be serviced by Witt or approved repairer. The dirt filters however can be replaced by the user.

Technical data

Model	Max. working pressure bar [psi]	EN 560 connection [inch]	Weight [g]	Housing material	Sealing material	Order no.
NV300	Town gas, natural gas and LPG Hydrogen Oxygen Compressed air	G 1	1.568	Brass	NBR / CR	300 038.002
		G 1 1/4				300 038.031
NV400	Non-flammable gases 16 bar (232 psi)	G 1 1/2	2.789			400 038.024
		G 2				400 038.008

flange connections are possible

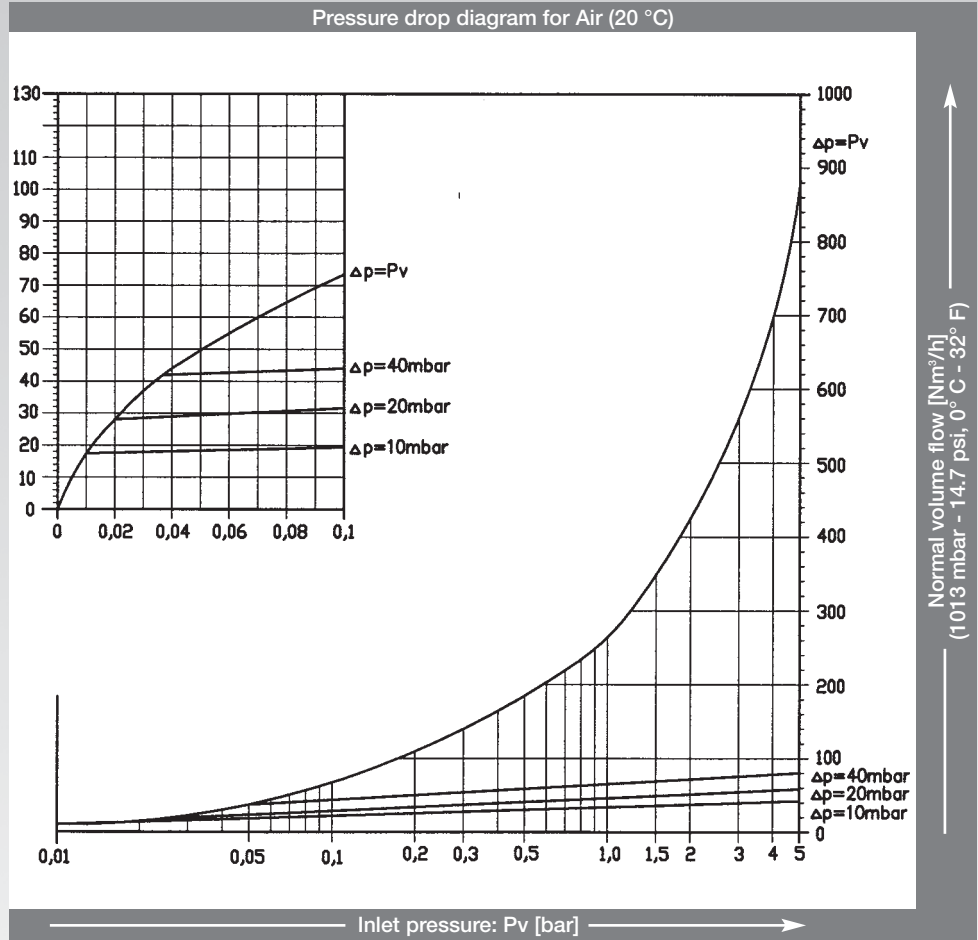
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NV300

Conversion factors:

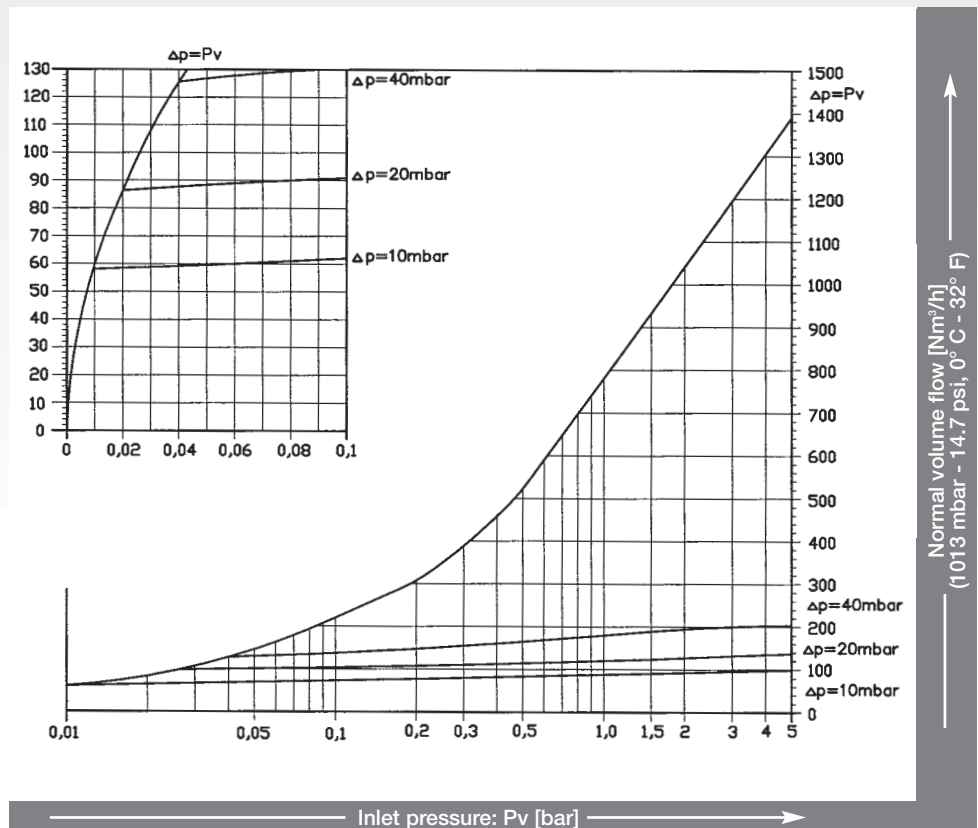
Butane	x 0.68
Hydrogen	x 3.75
Methane	x 1.33
Natural gas	x 1.25
Oxygen	x 0.95
Propane	x 0.80
Town gas	x 1.54



NV400

Conversion factors:

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



Technical data

bar – psi conversion:
1 bar = 14.5 psi

H4 subject to change