

NON-RETURN VALVE ULTRA 35



WITT non-return valves for reliable protection against dangerous reverse gas flow. Flow-optimised valve system causes very low pressure drop at minimal noise emission. 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 drop – using complex valve assembly with low opening pressures (approx. 0.04 PSI)
- stainless steel filter (100 µm) in the gas inlet protects the non-return valve against dirt contamination, extending the service life
- flow-optimised valve system for:
 - ultra low pressure drop
 - minimal noise emission
- no leaks – using of a spring loaded valve assembly with elastomer sealing
- in accordance to DIN EN ISO 5175-2
- available in brass or stainless steel
- 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 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 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

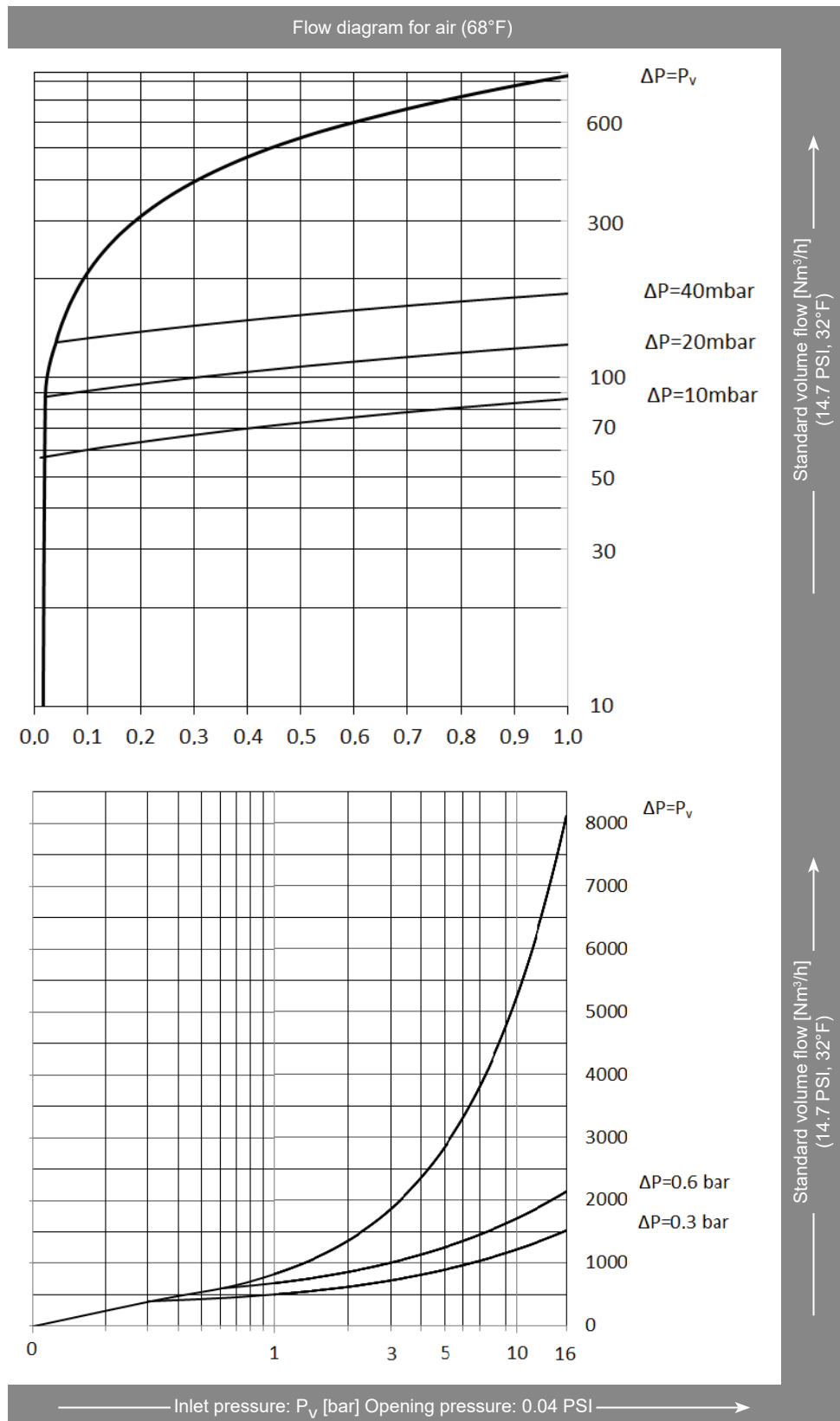
Model	Max. working pressure [PSI]	Filter 100 µm	Seals		Material		Connection [inch]	Order-No.
			O-Ring	Valve	Housing	Valve		
ULTRA 35	Town gas (C), Natural gas (M) and LPG (P), Hydrogen (H), Oxygen (O), Compressed air (D) non-flammable gases 232	✓	NBR	CR	Brass 2.0401 CuZn39Pb3	Stainless steel	G 1.1/2	400038-024
					G 2		400038-008	
		✓	NBR	CR	Stainless steel 1.4305 X8 CrNiS 18-9 AISI 303	Stainless steel	G 1.1/2	400038-014
					G 2		400038-022	

Other gases and connections available upon request

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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

GRS5 USA - L02/51 subject to change