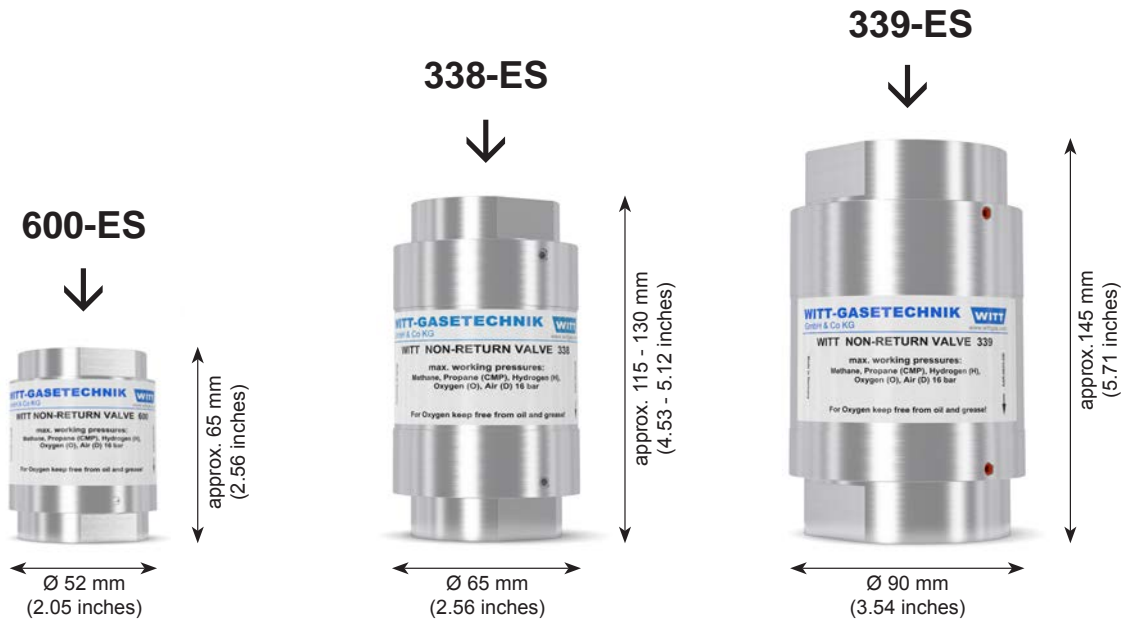


NON-RETURN VALVES STAINLESS STEEL

600-ES / 338-ES / 339-ES



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
- 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

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
- 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 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

Approvals

Company certified according to ISO 9001 and PED 97/23/EC Module H
 CE-marked according to:
 - PED 97/23/EC
 Cleaned for Oxygen Service according to:
 - EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems

Model	Max. working pressure [bar]	Material	Weight [g]	Connection [inch]	Order No.
600-ES	16	Stainless steel Elastomer	681	G 1/2	037-017
			615	G 3/4	037-033
			540	G 1	037-018
338-ES	16	Stainless steel Elastomer	1,500	G 1	038-064
			2,665	G 1.1/2	038-014
339-ES	16	Stainless steel Elastomer	2,633	G 2	038-022

Other connections available upon request

NON-RETURN VALVES STAINLESS STEEL

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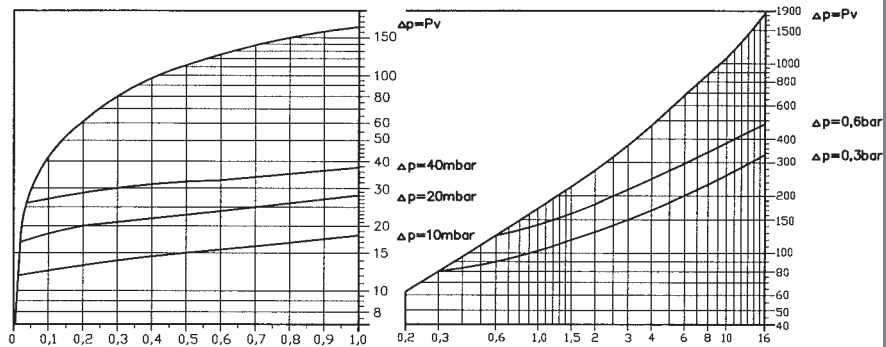


600-ES

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



Standard volume flow [Nm^3/h]
(1013 mbar / 14.7 psi, 0 °C / 32 °F)

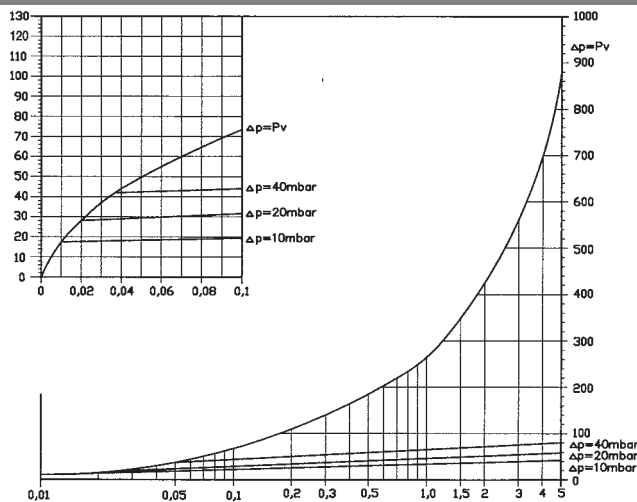
Inlet pressure: P_V [bar] Opening pressure: 4 mbar

338-ES

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



Standard volume flow [Nm^3/h]
(1013 mbar / 14.7 psi, 0 °C / 32 °F)

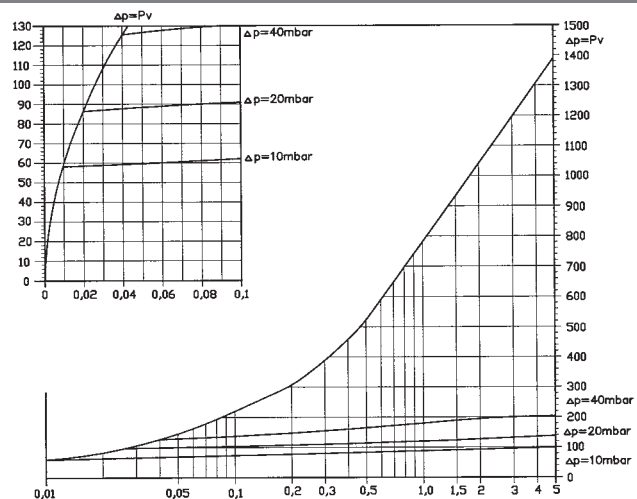
Inlet pressure: P_V [bar] Opening pressure: 6 mbar

339-ES

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



Standard volume flow [Nm^3/h]
(1013 mbar / 14.7 psi, 0 °C / 32 °F)

Inlet pressure: P_V [bar] Opening pressure: 5 mbar