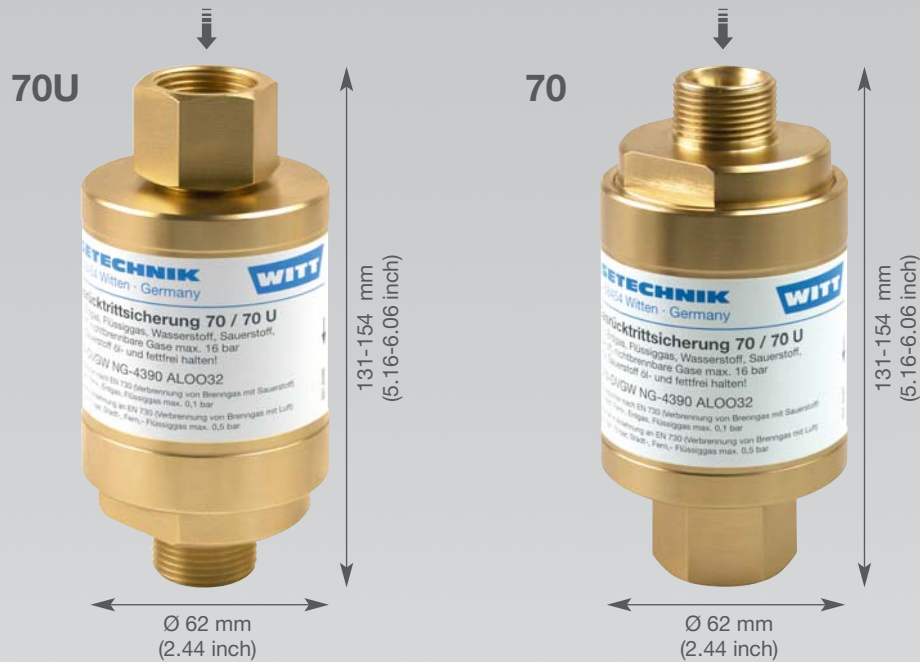


NON-RETURN VALVES

www.wittgas.com



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 (approx. 4 mbar)
- brass filter protects the non-return valve against flashbacks, 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

- they may also be used as a safety device to protect against flashbacks (proved in accordance to EN 730) from natural gas with air
- 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

Approvals

Company certified according to ISO 9001:2000, ISO 14001 and PED 97/23/EG Module H
CE-marked according to:
- PED 97/23/EG

Product Information

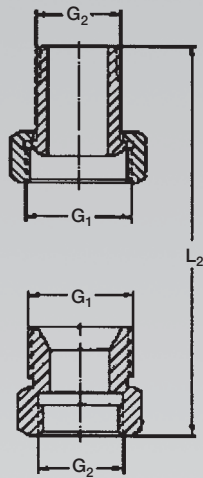
Technical Data

Model	Max. working pressure [bar]	Material	Weight [g]	Length [mm]	Connection EN 560	Order-No.	
70	16 bar	Brass Elastomer Bronze	Town gas (C)	1.255	131	G 3/4	123.009
			Natural gas (M)	1.414	140	G 1	123.012
			LPG (P)	1.590	143	G 1.1/4	123.014
			Hydrogen (H)	1.679	154	G 1.1/2	123.015
			Oxygen (O)				
70U	10 bar	Brass Elastomer Bronze	Compressed air (D)	1.256	131	G 3/4	123.016
			non-flammable gases	1.398	140	G 1	123.018
			Flashback resistant according to EN 730	1.558	143	G 1.1/4	123.056
			combustion of natural gas with air	1.679	154	G 1.1/2	123.045

B7 subject to change

NON-RETURN VALVES

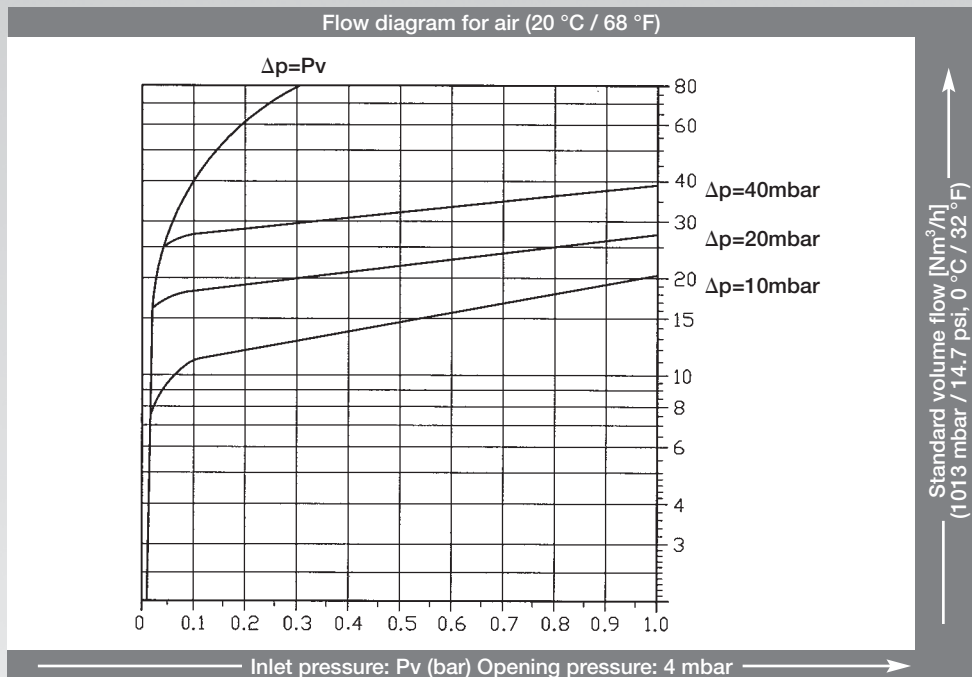
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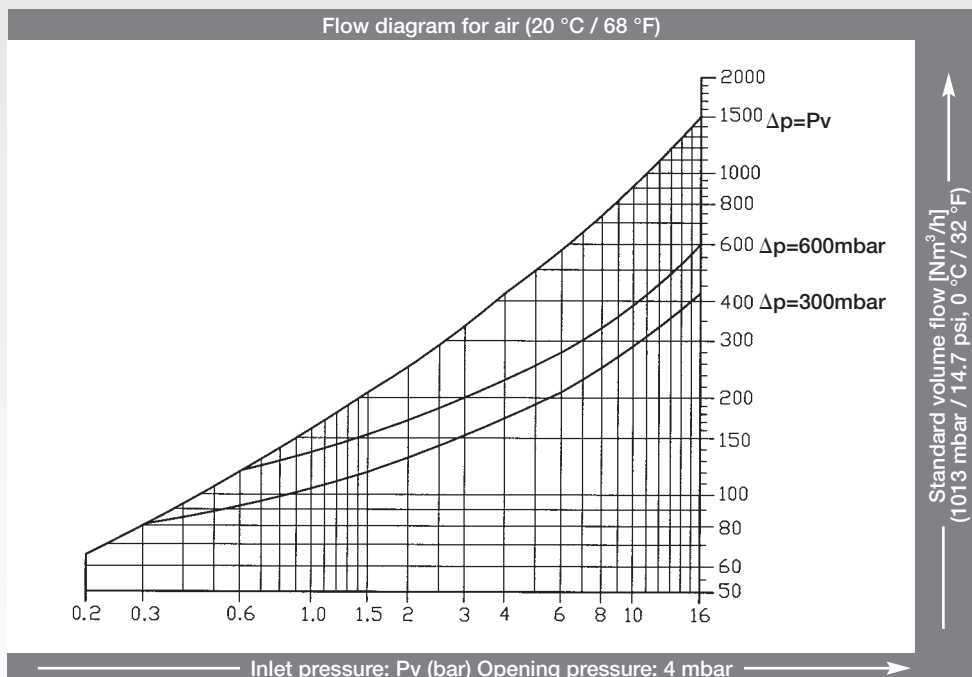
**Cone connection for installation of pipeline
Model 70/70U**

Connection EN 560 G ₁ [inch]	Connection G ₂ [inch]	Installation dimension with non-return valve L ₂ [mm]	Order-No.
G 3/4 RH	G 1/2 RH	186	043.000000
G 1 RH	G 3/4 RH	202	043.000100
G 1.1/4 RH	G 1 RH	208	043.000200
G 1.1/2 RH	G 1.1/4 RH	224	043.000300

- 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



- Conversion factors:
- Butane x 0.68
 - Natural Gas x 1.25
 - Methane x 1.33
 - Propane x 0.80
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Technical Data

B7 subject to change