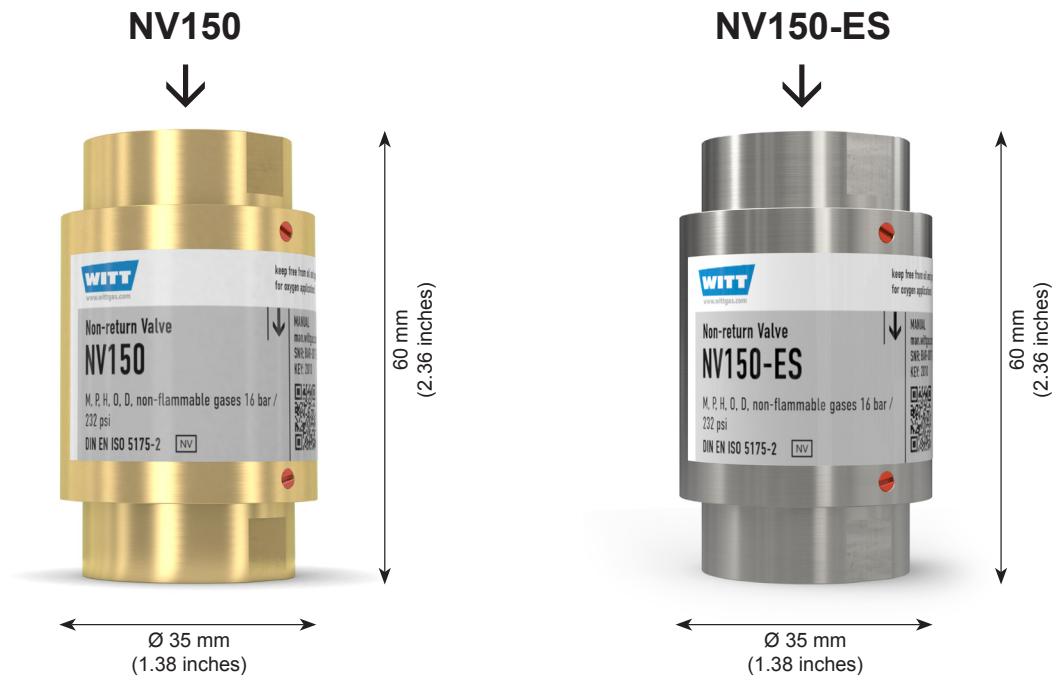


# NON-RETURN VALVE NV150



**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 drops – using complex valve assembly with low opening pressures (ca. 4 mbar)
- 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 with DIN EN ISO 5175-2
- available in brass or stainless steel (ES)
- 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 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

### Approvals

Company certified according to ISO 9001  
 Cleaned for Oxygen Service according to:  
 - EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems

Model	Max. working pressure	[bar]	Weight [g]	Connection [inch]	Seal-Material	Housing-Material	Order-No.
NV150	Town gas (C), Natural gas (M), Hydrogen (H), Oxygen (O), Compressed air (D) non-flammable gases	16	221	G 1/2	Elastomere	Brass	034-003
NV150-ES						Stainless steel	034-004

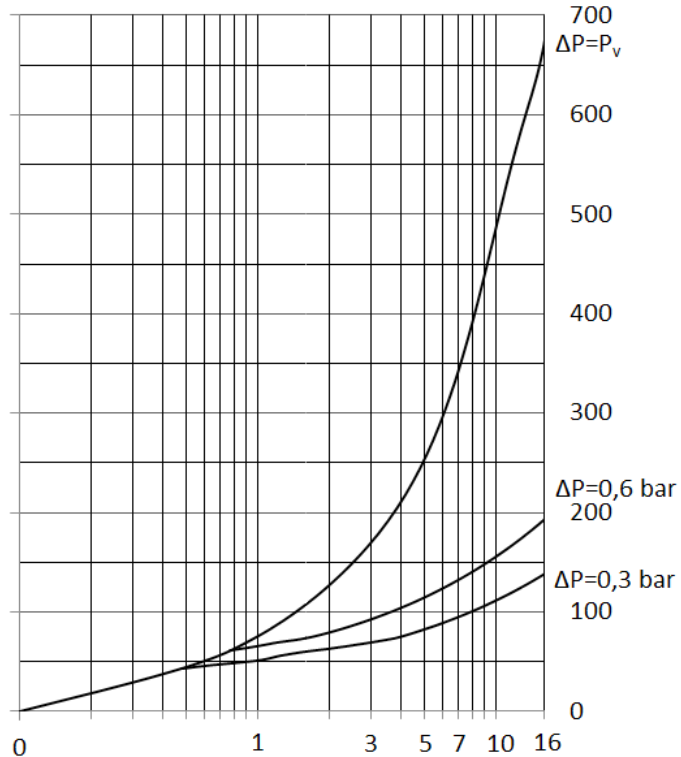
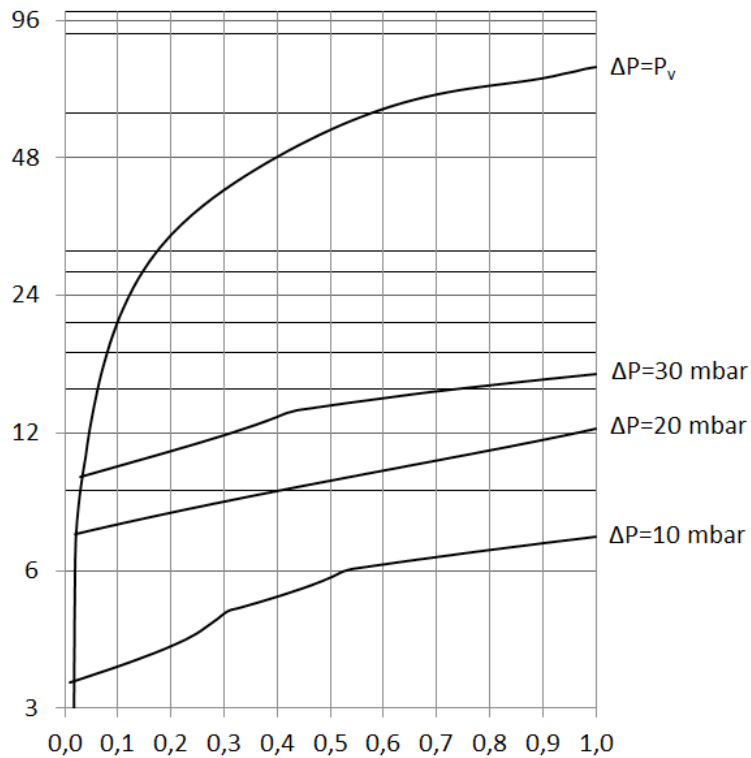
Other connections available upon request

# NON-RETURN VALVE NV150



## NV150

Flow diagram for air (20 °C / 68 °F)



Conversion factors:

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

GRS10 - C01/D9 subject to change