

# NON-RETURN VALVE 654



**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 (approx. 30 mbar)
- no leaks – using of a spring loaded valve assembly with elastomer sealing
- 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
- compact design, small mounting dimensions

### Operation / Usage

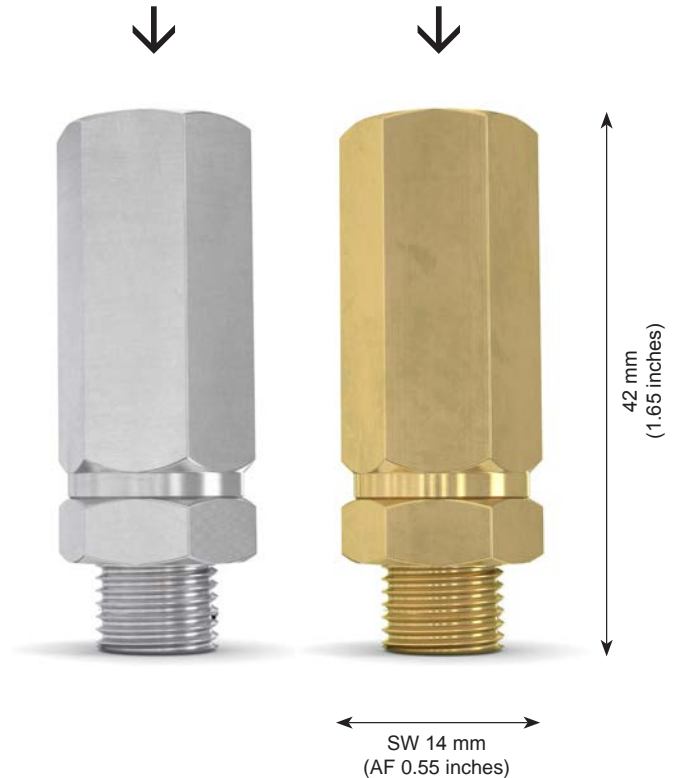
- non-return valves are used to protect equipment and pipelines against dangerous reverse gas flow
- WITT non-return valves may be mounted in any position / orientation
- the maximum ambient / working temperature is 70 °C / 158 °F

### 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

**654-ES**

**654**



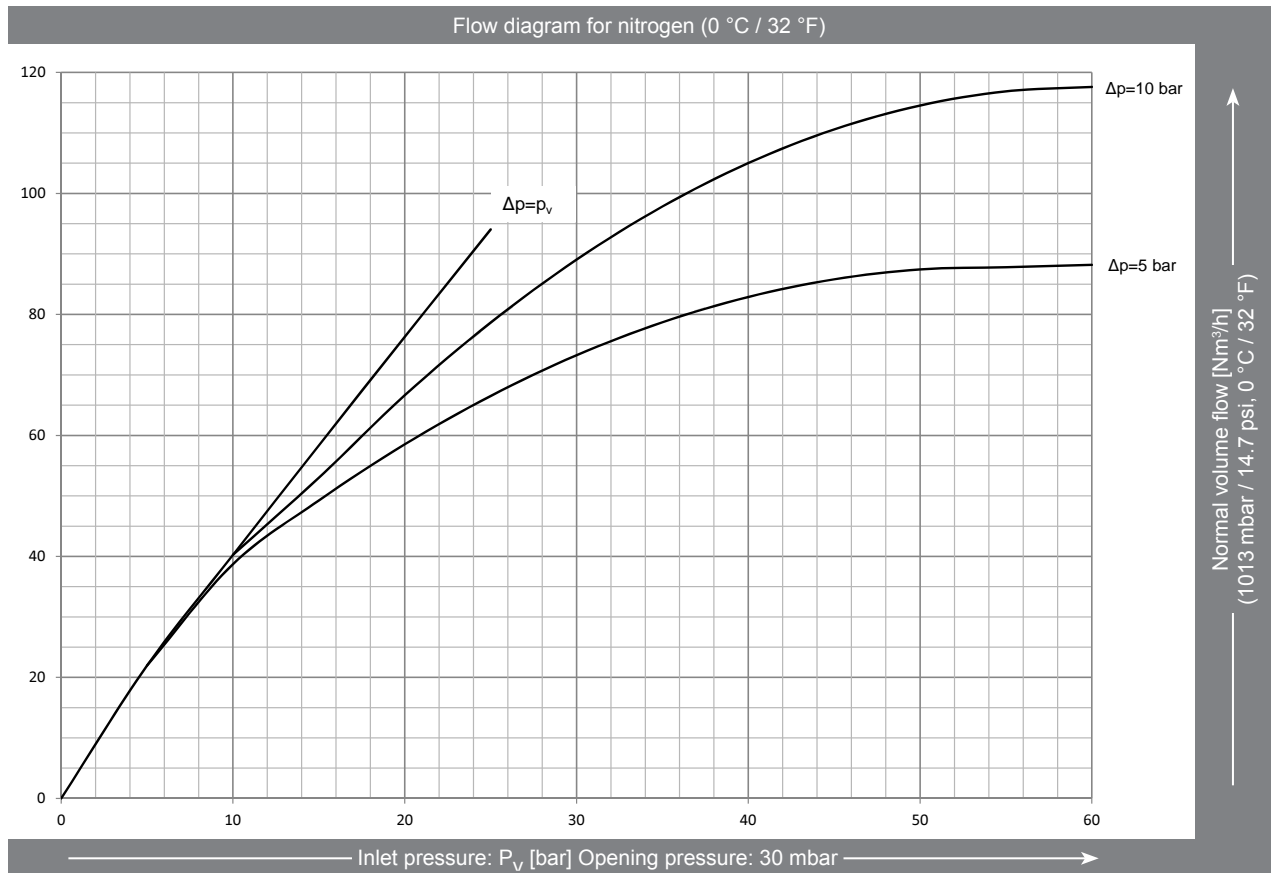
### Approvals

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

Model	Max. working pressure [bar]	Seal-Material	Housing-Material	Weight [g]	Connection [inch]	Order-No.	
<b>654</b>	Ethylene (E) LPG (P) Natural gas (M) Town gas (C) Hydrogen (H)	Elastomer CR	Brass CuZn39Pb3	39	G 1/8 RH	60	
	Oxygen (O) Compressed air (D)					30 60	
	Ethylene (E) LPG (P) Natural gas (M) Town gas (C) Hydrogen (H)					Elastomer FPM	60
	Compressed air (D)						60
<b>654-ES</b>	Ethylene (E) LPG (P) Natural gas (M) Town gas (C) Hydrogen (H)	Elastomer NBR	Stainless steel 4.4305	39	G 1/8 RH	60	
	Oxygen (O) Compressed air (D)					30 60	

Other gases or connections available on request

## 654



Conversion factors:

Natural gas	x 1.25
Ethylene	x 1.02
Methane	x 1.33
Propane	x 0.80
Oxygen	x 0.95
Town gas	x 1.54
Hydrogen	x 3.75