NON-RETURN VALVES 70 / 70U

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. 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
- non-return valves are tested to DIN EN ISO 5175-2. They may also used as a safety device to protect against flashbacks (proved in accordance to DIN EN ISO 5175-1 point 6.7) from combustion natural gas/ LPG with air

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 and PED 2014/68/EU Module H
CE-marked according to:
- PED 2014/68/EU
Cleaned for Oxygen Service according to:
- EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems

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<td>70</td>
<td>Town gas (C), Natural gas (M) and LPG (P), Hydrogen (H), Oxygen (O), Compressed air (D) non-flammable gases</td>
<td>Brass</td>
<td>1 255</td>
<td>137</td>
<td>G 3/4</td>
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<td>Flashback resistant to DIN EN ISO 5175-1 combustion with air LPG (P) 0.5 Natural gas (M) 4.0</td>
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Other connections available upon request
**NON-RETURN VALVES 70 / 70U**

Cone connection for installation of pipeline
Model 70/70U

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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

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

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