# NON-RETURN VALVES

Product Information

Technical Data



**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. 100 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

### Operation / Usage

- non-return valves are used to protect equipment and pipelines against dangerous reverse gas flow
- 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, ISO 14001 and PED 97/23/EC Module H
CE-marked according to
- PED 97/23/EC

| Model | max. working pressure | [bar] | Housing-Material | Seal-Material | Weight [g] | Connection [inch] | Order-No. |
|---|---|---|---|---|---|---|---|
| 600H | Town- (C), Natural gas (M) and LPG (P), Hydrogen (H), Oxygen (O), Compressed air (D), non-flammable gases | 40 | Brass | Elastomer | 745 | G 1/2 | 037.042 |
| | | | | | 686 | G 3/4 | 037.035 |
| | | | | | 589 | G 1 | 037.039 |
| 600H-ES | Town- (C), Natural gas (M) and LPG (P), Hydrogen (H), Oxygen (O), Compressed air (D), non-flammable gases | 40 | Stainless steel | | 681 | G 1/2 | 037.064 |
| | | | | | 615 | G 3/4 | 037.065 |
| | | | | | 540 | G 1 | 037.048 |

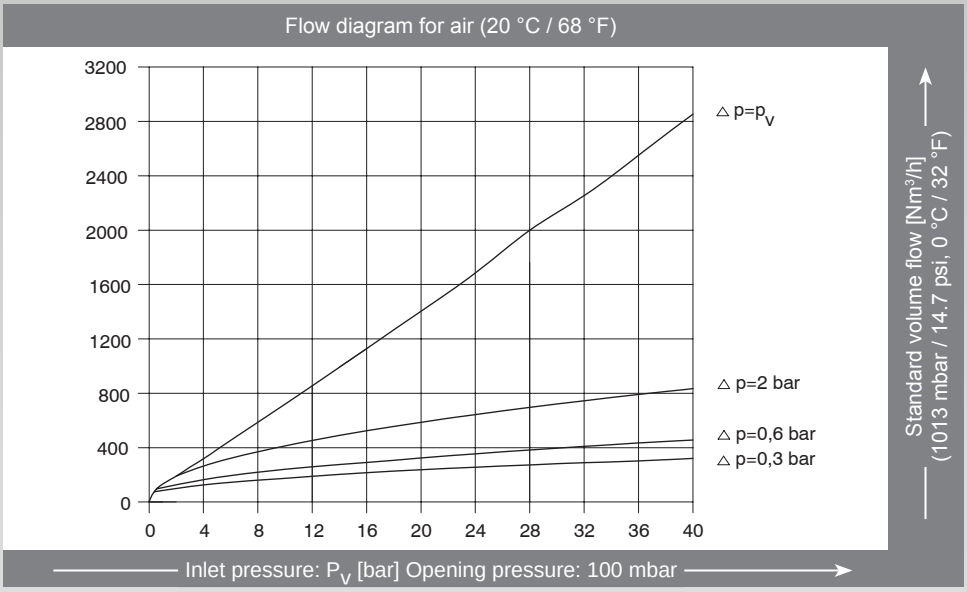
Other connections available on request

A01/E1 subject to change

## 600H
037.042

Conversion factors:

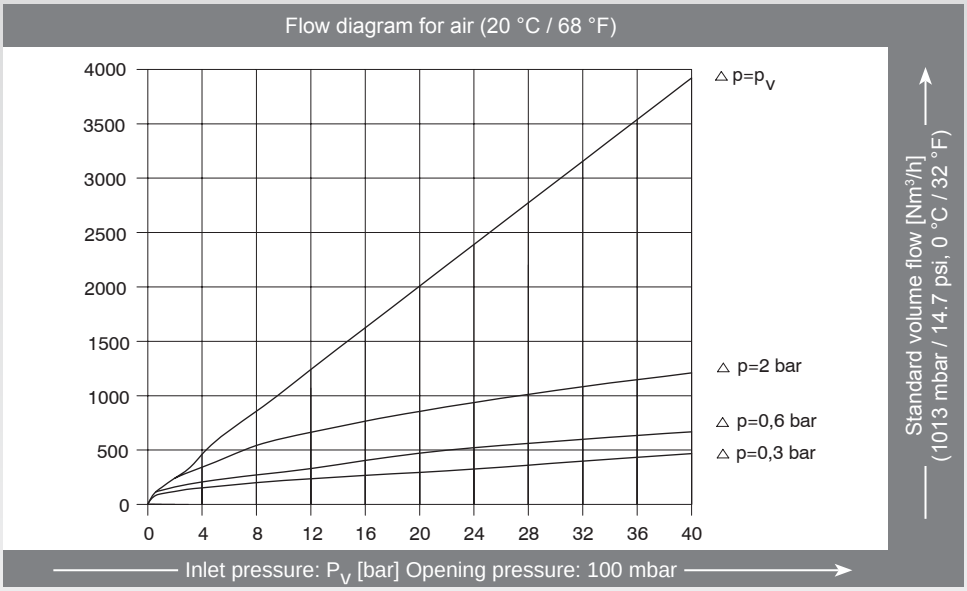
| | |
|---|---|
| Butane | x 0.68 |
| Natural gas | x 1.25 |
| Methane | x 1.33 |
| Propane | x 0.80 |
| Oxygen | x 0.95 |
| Nitrogen | x 1.00 |
| Hydrogen | x 3.75 |




## 600H
037.039

Conversion factors:

| | |
|---|---|
| Butane | x 0.68 |
| Natural gas | x 1.25 |
| Methane | x 1.33 |
| Propane | x 0.80 |
| Oxygen | x 0.95 |
| Nitrogen | x 1.00 |
| Hydrogen | x 3.75 |




Technical Data