



NON RETURN VALVE (Check Valve) Series GV1

Cat No GV1 - 01

Non - Return Valve G1/8, G1/4, G3/8, G1/2

Features

- Inline mounted
- Low cracking and closing pressure
- Bubble tight - elastomer seat



Technical Specifications

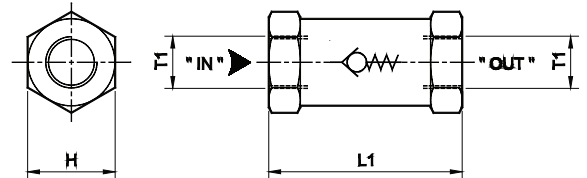
| Ordering No | GV160 | GV161 | GV162 | GV163 |
|------------------------------|------------------------|-------|-------|-------|
| Size | G1/8 | G1/4 | G3/8 | G1/2 |
| Medium | Compressed air | | | |
| Working pressure range | 0.4 - 10 bar | | | |
| Ambient / Medium temperature | 5° - 60° C | | | |
| Materials of construction | Brass, Nitrile, Acetal | | | |
| NW mm | 3.5 | 7 | 10 | 13 |
| Flow lts/min [@] | 400 | 1000 | 2800 | 4800 |
| Weight Kg | 0.068 | 0.098 | 0.102 | 0.232 |

@ Inlet pressure 6 bar, and pressure drop 1 bar

Operation

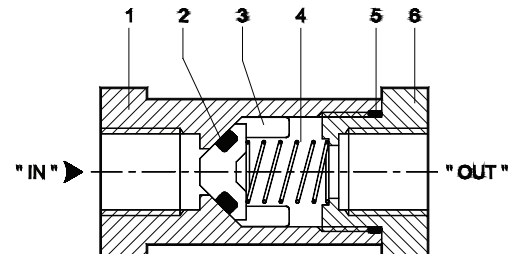
The valve shuts off instantaneously against reverse flow (from "OUT" port to "IN" port) and opens at low cracking pressure in the forward direction.

| Ordering No | T1 | H | L1 |
|-------------|------|----|----|
| GV160 | G1/8 | 19 | 40 |
| GV161 | G1/4 | 22 | 51 |
| GV162 | G3/8 | 24 | 54 |
| GV163 | G1/2 | 32 | 63 |



Spare parts list

| Ref. no. | No. off | Part Name | Ordering no. for | | | |
|----------|---------|------------|------------------|--------|--------|--------|
| | | | GV160 | GV161 | GV162 | GV163 |
| 1 | 1 | Housing | - | - | - | - |
| 2 | 1 | 'O' ring | 650001 | 650112 | 650113 | 650103 |
| 3 | 1 | Valve cone | 724008 | 724009 | 724010 | 724011 |
| 4 | 1 | Spring | - | - | - | - |
| 5 | 1 | 'O' ring | 650009 | 650018 | 650019 | 650020 |
| 6 | 1 | Gland | - | - | - | - |



Precautions

1. Note the direction of flow before installation and connect piping accordingly.
2. Flush pipings for dirt, dust, rust and other foreign particles.
3. Install in clean atmosphere.
4. Nipples of taper threads (R) to be used with teflon tape. Ensure Teflon tape doesnot enter the unit during tightening. straight threads (G) to be used with sealing washer.

Subject to change