

# HOSE BURST CARTRIDGE VALVE



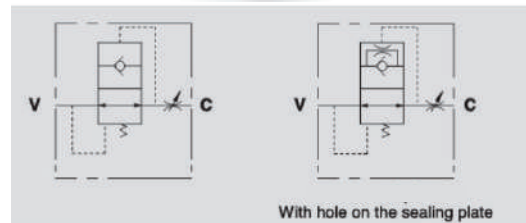
## VUBA

**Flow Upto 180 LPM**  
**Pressure 350 Bar**

### Description & Operation

Valves are used to prevent the uncontrolled descent of an actuator in the case of a hose burst. When the flow exceeds the valve setting (reaction flow), the valve will block the flow. These valves are not load holding or unidirectional restrictors.

A flowcontrolvalve is recommended downstream of the valve. Screw the valve into the correct port connecting V to the Pressure flow and C to the actuator.



Hydraulic Symbol

### Technical Data

|                              |   |
|------------------------------|---|
| Maximum Flow                 | 180 LPM   |
| Maximum Pressure             | 350 Bar   |
| Body Material                | Steel   |
| Internal parts               | Hardened and Ground steel                               |
| External Component treatment | Burnished   |
| Oil Temperature              | 50 Deg. C   |
| Fluids                       | Mineral based or synthetics with lubricating properties |
| Viscosity                    | 30 cSt  |
| Standard Sealing             | NBR-Buna N  |
| Filtration                   | 20/18/15 ISO 4406 ( Max. Filtration admitted)           |
| Orientation / Mounting       | Inline  |
| Weight                       | See Ordering details                                    |

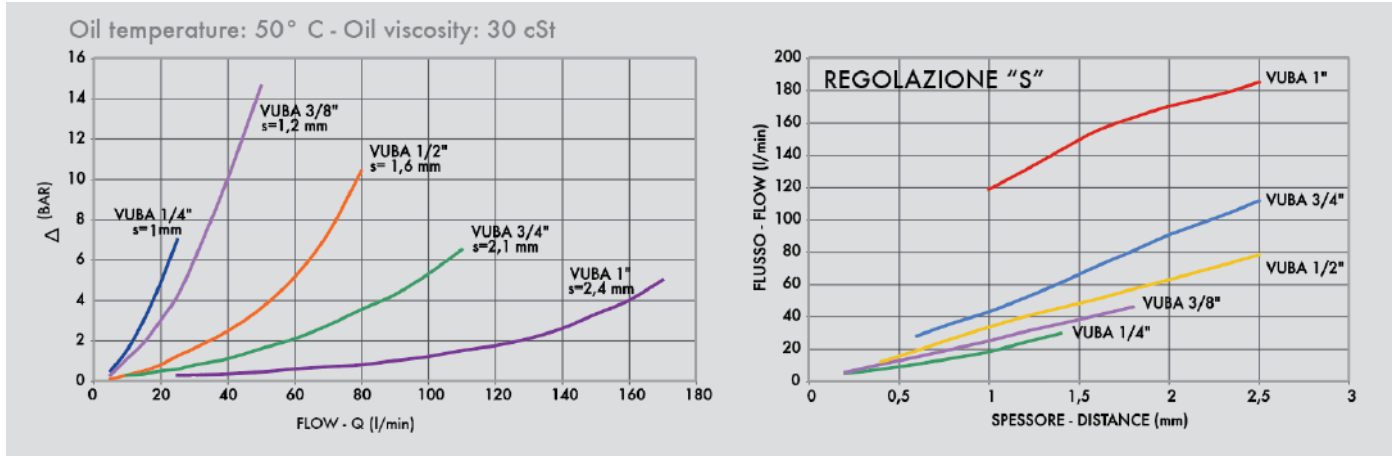
### Specifications

| Type      | Max.Flow | Max.Pressure |
|-----------|----------|--------------|
|           | LPM      | Bar          |
| VUBA 1/4" | 20       | 350          |
| VUBA 3/8" | 50       | 350          |
| VUBA 1/2" | 80       | 350          |
| VUBA 3/4" | 140      | 350          |
| VUBA 1"   | 180      | 350          |

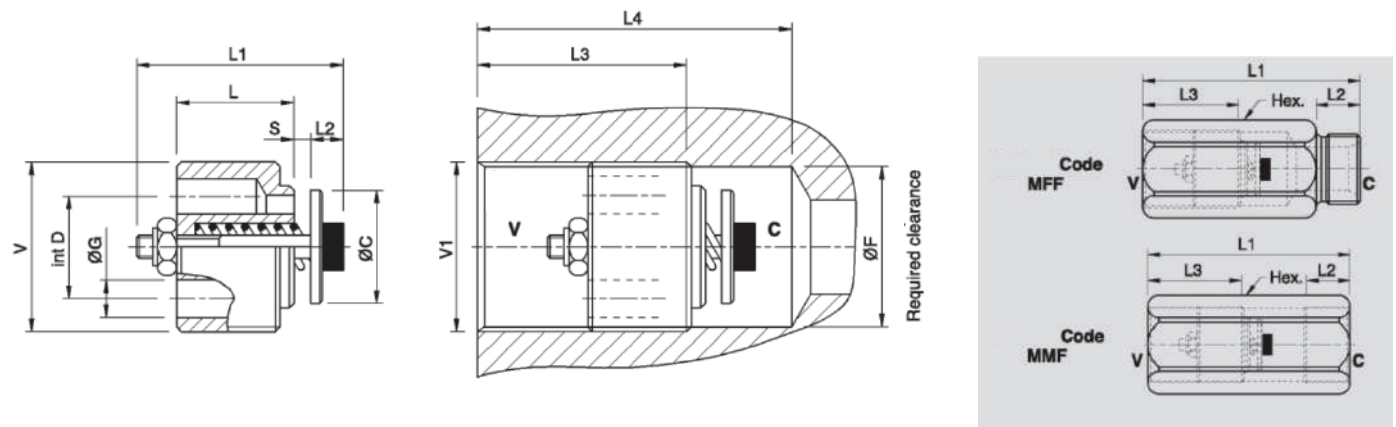
### On Request

- Preset hose bursts available (the reaction flow should be set 1.5 times more than the flow rate of the system). Please specify flow (LPM) or distance S (mm) from the flat to the valve
- Hole on the flat (CODE/F, please specify hole on the sealing face dimension) for a slow load descent with closed valve
- Valve completes with male-female or female-female body for in line mounting by the actuator

**Performance Curve**



**Dimensional Drawing**



**Ordering Details**

| Code    | Type      | V-V1  | L    | L1 | L2 | L3 | L4 | ØC   | ØG  | ØF    | ØD(i) | S   | Weight |
|---------|-----------|-------|------|----|----|----|----|------|-----|-------|-------|-----|--------|
|         |           | GAS   | mm   | mm | mm | mm | mm | mm   | mm  | mm    | mm    | mm  | Kg     |
| R-V0770 | VUBA 1/4" | G1/4" | 8    | 18 | 5  | 28 | 35 | 9.5  | 2.5 | 11.75 | 8     | 1.0 | 0.006  |
| R-V0780 | VUBA 3/8" | G3/8" | 10.5 | 23 | 5  | 31 | 40 | 12.5 | 3.5 | 15.2  | 10.5  | 1.2 | 0.012  |
| R-V0790 | VUBA 1/2" | G1/2" | 13   | 29 | 5  | 33 | 43 | 15   | 4.5 | 19    | 12.5  | 1.6 | 0.024  |
| R-V0800 | VUBA 3/4" | G3/4" | 18   | 34 | 7  | 40 | 53 | 18.5 | 6   | 24.5  | 16    | 2.1 | 0.048  |
| R-V0810 | VUBA 1"   | G1"   | 20   | 40 | 8  | 43 | 66 | 25   | 7   | 30.5  | 19    | 2.8 | 0.098  |

| Code    | Type          | V-C   | L1 | L2 | L3 | HEX | Weight |
|---------|---------------|-------|----|----|----|-----|--------|
|         |               | GAS   | mm | mm | mm | mm  | Kg     |
| R-V0771 | VUBA 1/4"+MFF | G1/4" | 50 | 16 | 28 | 19  | 0.072  |
| R-V0781 | VUBA 3/8"+MFF | G3/8" | 58 | 17 | 31 | 24  | 0.132  |
| R-V0791 | VUBA 1/2"+MFF | G1/2" | 62 | 18 | 33 | 27  | 0.146  |
| R-V0801 | VUBA 3/4"+MFF | G3/4" | 75 | 21 | 40 | 32  | 0.220  |
| R-V0811 | VUBA 1"+MFF   | G1"   | 85 | 26 | 43 | 41  | 0.452  |

| Code    | Type          | V-C   | L1 | L2 | L3 | HEX | Weight |
|---------|---------------|-------|----|----|----|-----|--------|
|         |               | GAS   | mm | mm | mm | mm  | Kg     |
| R-V0772 | VUBA 1/4"+MMF | G1/4" | 50 | 12 | 28 | 19  | 0.064  |
| R-V0782 | VUBA 3/8"+MMF | G3/8" | 58 | 13 | 31 | 24  | 0.120  |
| R-V0792 | VUBA 1/2"+MMF | G1/2" | 62 | 14 | 33 | 27  | 0.140  |
| R-V0802 | VUBA 3/4"+MMF | G3/4" | 75 | 16 | 40 | 32  | 0.228  |
| R-V0812 | VUBA 1"+MMF   | G1"   | 85 | 19 | 43 | 41  | 0.456  |

**CHECK VALVES**