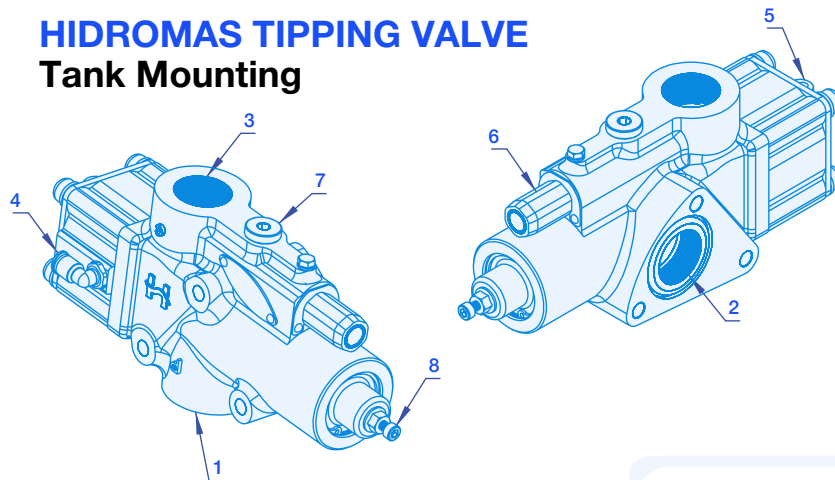




## HIDROMAS TIPPING VALVE Tank Mounting



1. Pump connection (P)
2. Tank connection (T)
3. Cylinder Connection (C)
4. Pneumatic connection (Tip)
5. Pneumatic connection (Lower)
6. Pressure Cartridge
7. Pressure Gauge Point
8. Lowering Flow Adjustment Screw

3D model is available on request

## Types & Adapters

| Hydraulic Connections | Set Pressure (Bar) | Part Number | Description              |
|-----------------------|--------------------|-------------|--------------------------|
| P, T, C = G1"         | 170                | DCV36001119 | DCV 3B-140L (TM)-170 bar |
| P, T, C = G1"         | 190                | DCV36001080 | DCV 3B-140L (TM)-190 bar |
| P, T, C = G1"         | 220                | DCV36001081 | DCV 3B-140L (TM)-220 bar |
| P, T, C = G1"         | 250                | DCV36001082 | DCV 3B-140L (TM)-250 bar |

INC. FATENERS (88511012)

| Sl.no | Part Number | PRESSURE ADAPTER                    |
|-------|-------------|-------------------------------------|
| 1     | 88510028    | G1" BSPOT EO - 1 3/16" ORFS         |
| 2     | 88510036    | G1" BSPOT EO - 1 7/16" ORFS         |
| 3     | 87010149    | G1" BSPOT EO - G1" BSPOT (CONE 60°) |
| 4     | 87010208    | G1" WITH EO SEAL BOTH SIDE          |
| 5     | 87010248    | G3/4" BSPOT - G1" BSPOT (CONE 60°)  |
| 6     | 88510038    | G1" BSPOT - G3/4" BSPOT (CONE 60°)  |

ADAPTERS COMES WITH SEALS

| Sl.no | Part Number | NRV ADAPTER                        |
|-------|-------------|------------------------------------|
| 1     | 87010280    | G1" BSPOT - 1 7/16" ORFS - SHORT   |
| 2     | 87010285    | G1" BSPOT - G1" BSPIT              |
| 3     | 87010286    | G1" BSPOT - 1 3/16" ORFS MALE      |
| 4     | 87010287    | G1" BSPOT - 1 7/16" ORFS MALE      |
| 5     | 87010288    | G1" BSPOT - G1" BSPOT (CONE 60°)   |
| 6     | 87010290    | G1" BSPOT - G3/4" BSPOT (CONE 60°) |
| 7     | 87010291    | G1" BSPOT - 1 3/16" ORFS - SHORT   |

ADAPTERS COMES WITH SEALS

Adapter should be ordered separately as per application

Related Documentation

Mounting Instructions: [HID-DCVMI-00](#)

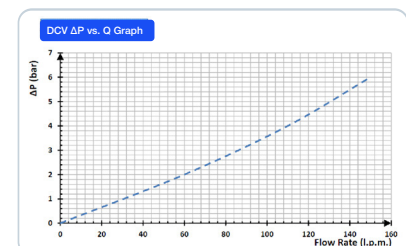
## Technical Notes

Install the valve following the specified mounting instructions. Use appropriate washers and port adapters to avoid distortion of the valve body. Do not use adapters with tapered threads. Ensure the mounting surface or manifold is perfectly flat and even to prevent housing deformation. Do not perform any welding on the valve. Ensure the supplied air is clean and dry.

## Specification

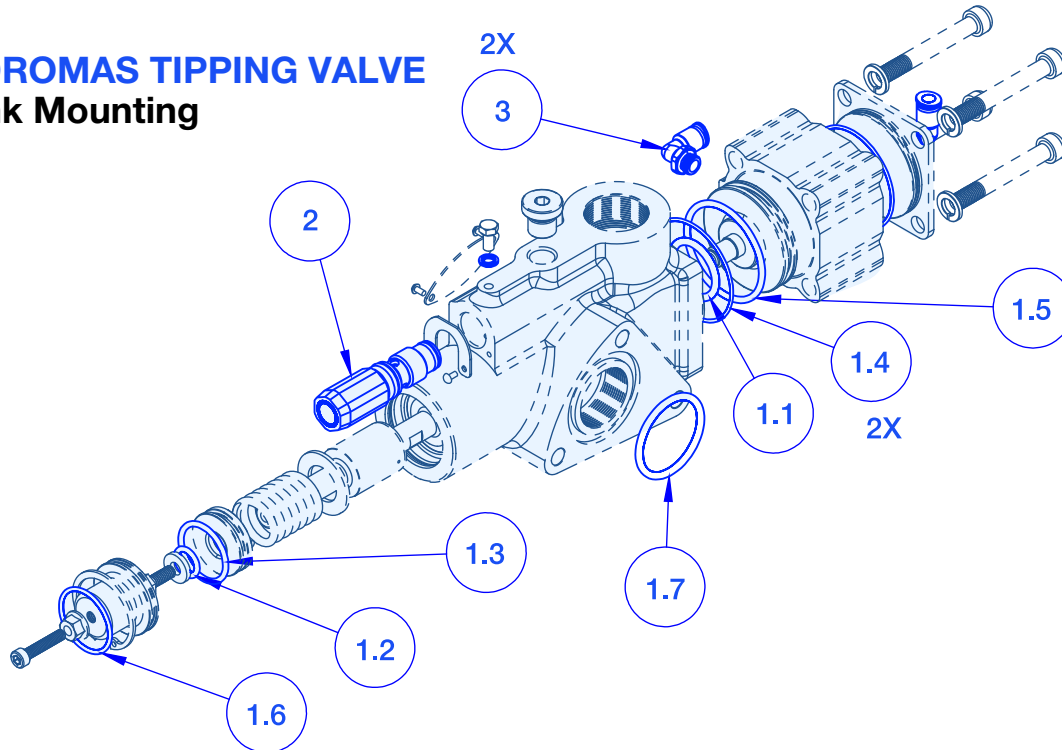
**DCV type** - Pressureless bypass in Neutral position  
**Max Peak Pressure:** 270 bar  
**Pneumatic Pilot pressure:** 6-10 bar  
**Max. Pump flow:** 150 L/min  
**Oil type:** Mineral oil (DIN 51524/51525)

**Oil Temperature:** -25~80°C  
**Oil Viscosity:** 12~100 cSt  
**Min. Filtration (ISO 18/13):** 25µm  
**Paint:** RAL 9005 (Jet Black)  
**SST/ ASTM B117:** Min. 300 Hrs  
**Weight** - 4.5 kg





## HIDROMAS TIPPING VALVE Tank Mounting



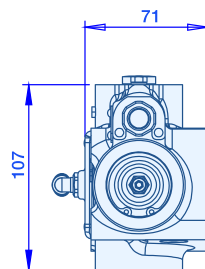
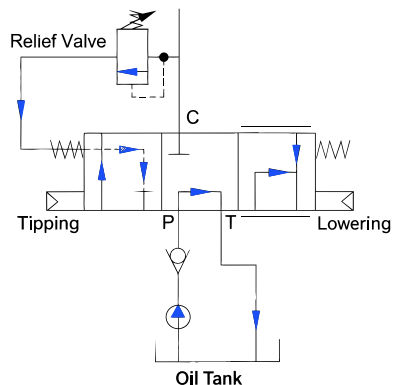
Spare Parts

| Sl.no | Part Number | Description                          | QTY |
|-------|-------------|--------------------------------------|-----|
| 1     | DCV36005033 | SEAL KIT - TANK MTD DCV (1.1-1.7)    | 1   |
| 2     | See Table-1 | PRESSURE ADAPTER CATRIDGE 3/8" BSPOT | 1   |
| 3     | 88003008    | AIR COUPLING 90° ELBOW G1/8" - Ø6    | 2   |

Table-1

| Sl.no | Part Number | Pressure (Bar) |
|-------|-------------|----------------|
| 1     | 47500017    | 170            |
| 2     | 47500018    | 190            |
| 3     | 47500019    | 220            |
| 4     | 47500020    | 250            |

### Hydraulic symbol of Tipping Valve



All Dimensions are in mm

