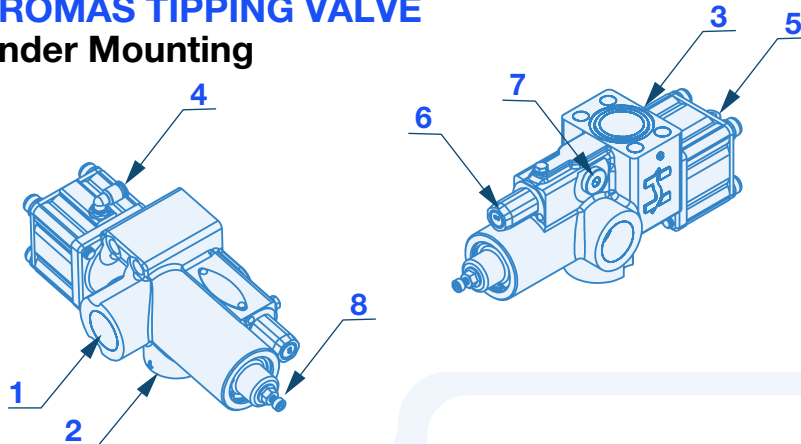




HIDROMAS TIPPING VALVE Cylinder Mounting



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	DCV36001083	DCV 4B-140L (CM)-170 bar
P, T, C = G1"	190	DCV36001084	DCV 4B-140L (CM)-190 bar
P, T, C = G1"	220	DCV36001085	DCV 4B-140L (CM)-220 bar
P, T, C = G1"	250	DCV36001086	DCV 4B-140L (CM)-250 bar

INC. FATENERS (88511011)

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

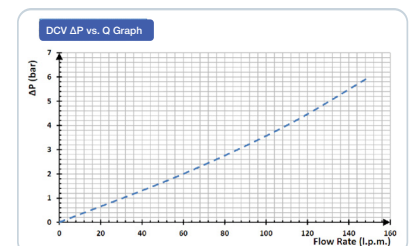
Technical Notes

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

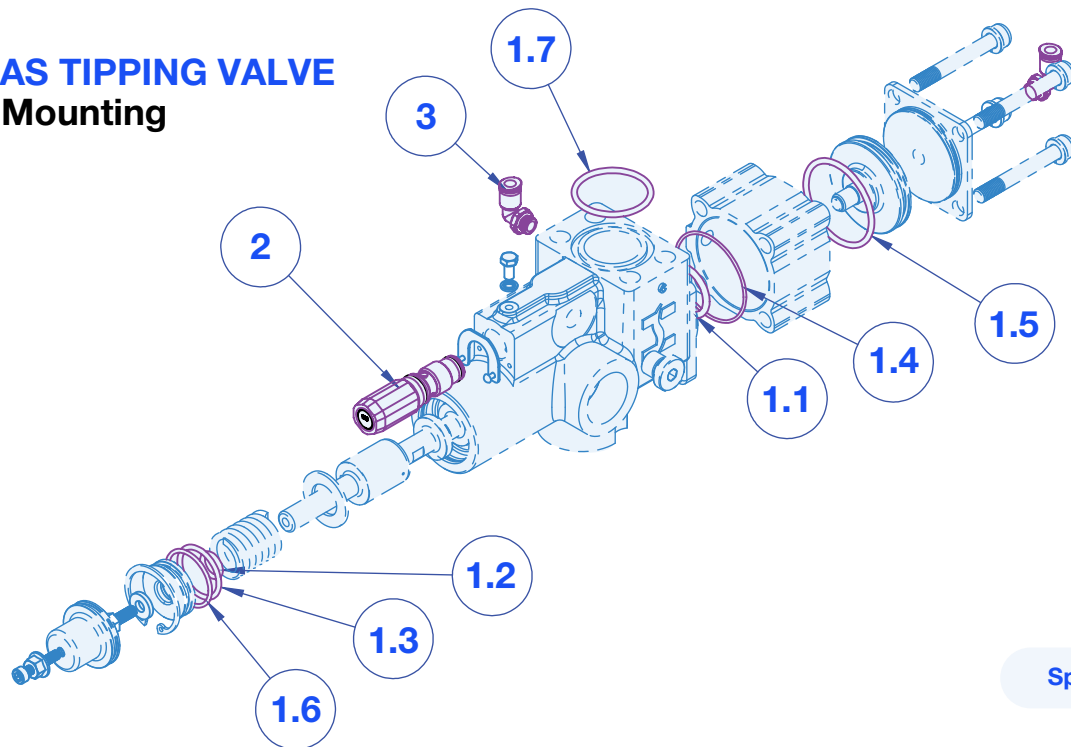
DCV type - Pressureless bypass in Neutral position
Max Peak Pressure: 270 bar
Pneumatic Pilot pressure: 6-10 bar
Max. Pump flow: 150 L/min
Oil type: Mineral oil (DIN 51524/51525)

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





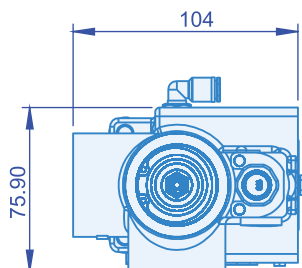
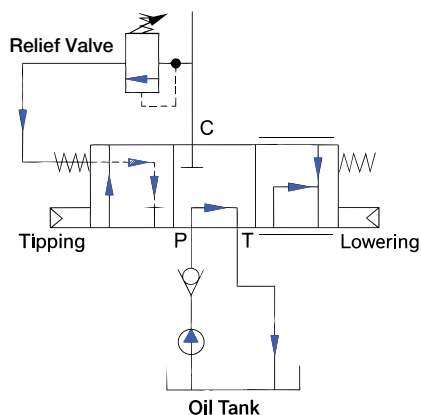
HIDROMAS TIPPING VALVE Cylinder Mounting



Spare Parts

Sl.no	Part Number	Description	QTY
1	DCV36005032	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



All Dimensions are in mm

