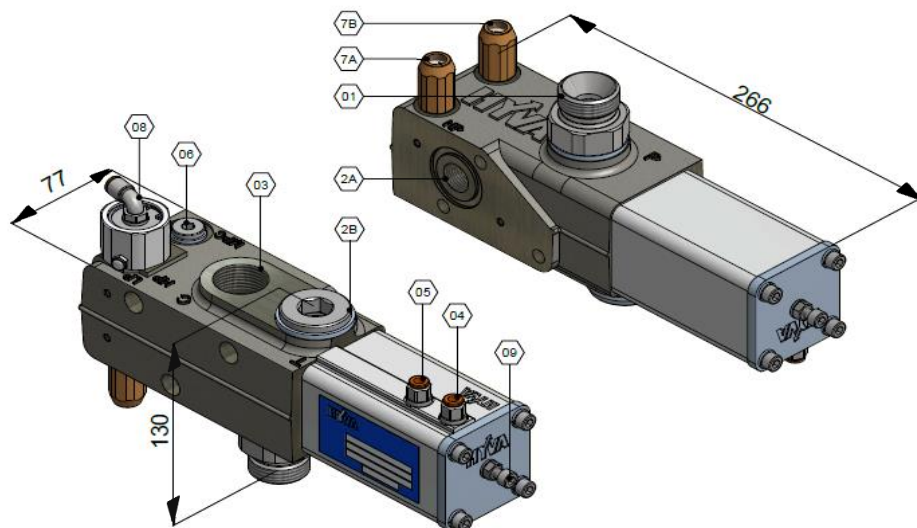


For direct mounting on
• TNK: Hyva tank mounting plate



3D model is available on request

- 1 P Pump connection
- 2A T1 Tank connection
- 2B T2 Alternative tank connection
- 3 C Cylinder connection
- 4 Pneumatic connection (Tip) 6 mm
- 5 Pneumatic connection (Lower) 6 mm
- 6 MPC Measure Pressure Cylinder (Pressure gauge point)
- 7A High Pressure relief cartridge (HP)
- 7B Low Pressure relief cartridge (LP)
- 8 Air switch (AS) 6 mm (Pneumatic pressure selector)
- 9 Adjustment screw (int.hex. 5) (To adjust the lowering speed)

Types

Hydraulic connections	Pressure (bar)***		Part Number	Description
	LP	HP		
P: G1" T1: G1/2" T2: G1" C: G1" MPC: G1/4"	150	220	14767700	TIP VALVE HT-TNK-2220-150-220-AS-P1"
		250	14767702	TIP VALVE HT-TNK-2220-150-250-AS-P1"
		280	14767704	TIP VALVE HT-TNK-2220-150-280-AS-P1"
		350	14767706	TIP VALVE HT-TNK-2220-150-350-AS-P1"
	170	220	14767708	TIP VALVE HT-TNK-2220-170-220-AS-P1"
		250	14767710	TIP VALVE HT-TNK-2220-170-250-AS-P1"
		280	14767712	TIP VALVE HT-TNK-2220-170-280-AS-P1"
		350	14767714	TIP VALVE HT-TNK-2220-170-350-AS-P1"
	190	220	14767716	TIP VALVE HT-TNK-2220-190-220-AS-P1"
		250	14767718	TIP VALVE HT-TNK-2220-190-250-AS-P1"
		280	14767720	TIP VALVE HT-TNK-2220-190-280-AS-P1"
		350	14767722	TIP VALVE HT-TNK-2220-190-350-AS-P1"

*** Normally the low pressure setting (LP) is selected.

When pressurizing the Air Switch the high pressure setting (HP) will be selected

Mounting kits	Kit number
Tank (TNK)*	14735168
Chassis**	14735208

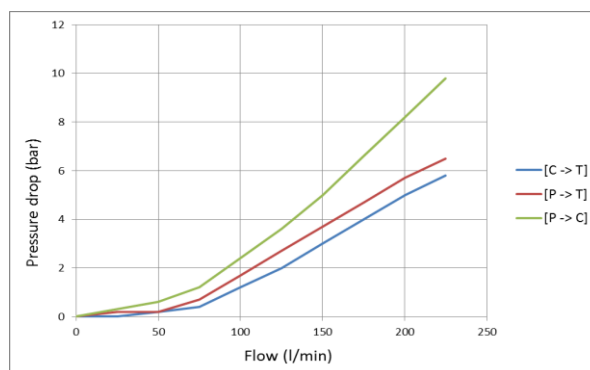
* included with valve

** not included with valve

Specifications

Type	3/3 pneumatic operated tipping valve with proportional lowering		
Max. pump flow	220	L/min	
Max. pressure	350	bar	
Pneumatic pilot pressure	6 - 12	bar	
Max. pressure on T-connections	10	bar	
Min. filtration	25	µm	
Viscosity range	min / max	12 / 100	mm ² /s (cSt)
Max. starting viscosity		1500	mm ² /s (cSt)
Temperature range	min / max	-40 / 80	°C
Mass	6,3	kg	

Δp - Q characteristic



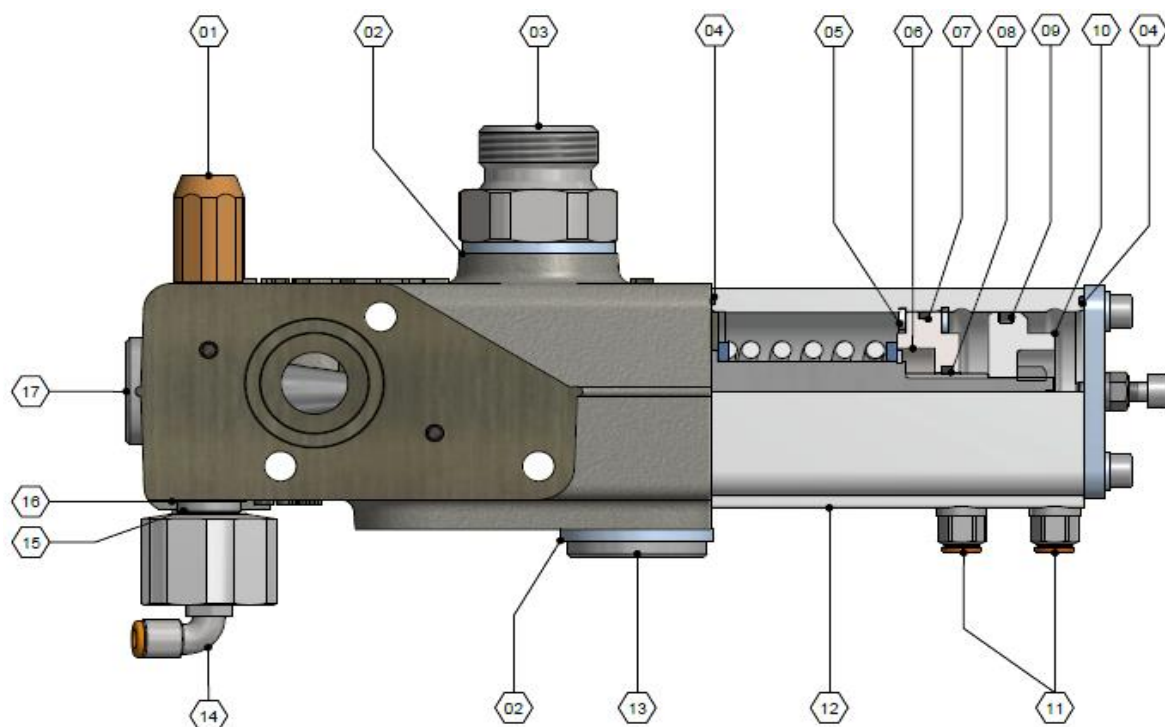
Technical notes

• Mount the valve according to the mounting instructions • Use the correct washers and adapters in the ports to prevent deformation of the housing. Do not use adapters with tapered threads • To further prevent deformation of the valve housing, the mounting plate surface or block must be completely flat and smooth • Do not weld to the valve • Ideal air pressure for valve is 8 bar • Make sure inlet air is dry and clean • Painted black (RAL9005)

Related documentation

Mounting instructions: VAL-0022

OIL Specifications: OIL-0011



Spare Parts

No.	Part no.	Description	Qty.
1	14772	Pressure relief cartridge	2
	150	150 bar	
	170	170 bar	
	190	190 bar	
	220	220 bar	
	250	250 bar	
	280	280 bar	
	350	350 bar	
2	01313848	Bonded seal 1"	1
3	14739975A	Non-return valve 1"	1
4	n.a; see repair kit	O-ring	2
5	n.a; see repair kit	Circlip	2
6	n.a; see repair kit	Closing plate	1
7	n.a; see repair kit	O-ring	1

No.	Part no.	Description	Qty.
8	n.a; see repair kit	Quadring	1
9	n.a; see repair kit	Quadring	1
10	n.a.	Piston air cylinder	1
11	14810517	Air coupling 6 mm	2
12	n.a; see repair kit	Aluminium head	1
13	n.a.	Plug 1"	1
15	n.a.	Plug 1/4"	1
16	01206813	Bonded seal 1/4"	1
17	n.a.	Plug M27	1

Repair kits

	14844010	Seal kit (contains pos. 4, 7, 8, 9)
	14845003	Air cylinder kit (contains pos. 5, 6, 7, 8, 12)
14	14773000	Air Switch

Hydraulic symbol HT valve

