

For mounting on
 • Hyva tank mounting plate

3D model is available on request

- 1 Pump connection (P)
- 2A Return tank connection (T)
- 2B Alternative return tank connection (T)
- 3 Cylinder connection (C)
- 4 Pneumatic connection (Tip)
- 5 Pneumatic connection (Lower)
- 6 Pressure gauge point
- 7 High pressure cartridge
- 8 Adjustment screw
(To adjust the lowering speed)

Types

| Hydraulic connections | Pressure (BAR) | Part Number | Description |
|-----------------------|----------------|-------------|-------------------------------|
| | Max. | | |
| T, C & P=1" | 110 | 14767111 | TIP VALVE HT-TNK-1220-110-P1" |
| | 135 | 14767113 | TIP VALVE HT-TNK-1220-135-P1" |
| | 150 | 14767115 | TIP VALVE HT-TNK-1220-150-P1" |
| | 170 | 14767117 | TIP VALVE HT-TNK-1220-170-P1" |
| | 190 | 14767119 | TIP VALVE HT-TNK-1220-190-P1" |
| | 220 | 14767122 | TIP VALVE HT-TNK-1220-220-P1" |
| | 250 | 14767125 | TIP VALVE HT-TNK-1220-250-P1" |
| | 280 | 14767128 | TIP VALVE HT-TNK-1220-280-P1" |
| | 350 | 14767135 | TIP VALVE HT-TNK-1220-350-P1" |

| Optional adapter kits | Kit number |
|-----------------------|------------|
| 1" Straight TNK | AK5016TS |
| 1" 90 degree TNK | AK5016TE |
| 1" Straight CHASSIS | AK5016CS |
| 1" 90 degree CHASSIS | AK5016CE |

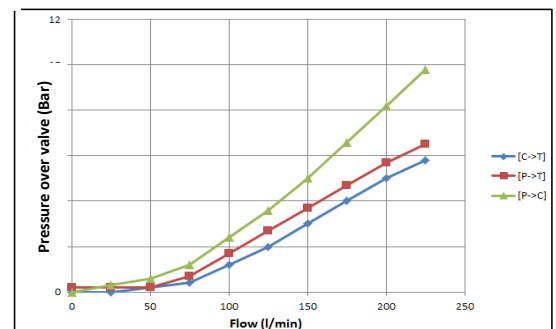
| Mounting kits | Kit number |
|---------------|------------|
| Tank (TNK) * | 14735168 |
| Chassis | 14735208 |

* = included with valve

Specifications

| | | |
|-------------------------------|--|------------------------------|
| Type | Spool valve with pressureless bypass in neutral. Oil flow in lowering position is proportional with pneumatic pilot pressure. | |
| Max. peak pressure | 350 bar | |
| Pneumatic pilot pressure | 6-12 bar | |
| Max. pump flow | 220 L/min | |
| Max. pressure on T-connection | 10 bar | |
| Filtration (ISO 18/13) | 25 µm | |
| Viscosity range | min | 12 mm ² /s (cst) |
| | max | 100 mm ² /s (cst) |
| Temperature range | min | -40 °C |
| | max | 80 °C |
| Mass | 6,1 kg | |

Δp - Q characteristic



Technical notes

- Mount the valve according the mounting instructions
- Use the correct washers and adapters in the ports to prevent housing deformation. 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 plane.
- Do not weld to the valve.
- Ideal air pressure for valve is 8 bar.
- Make sure inlet air is dry.
- Paint spec: TNO00_00001

Related documentation

Mounting instructions: VAL-0022

OIL Specifications: OIL:0011

