

TIPPING VALVE – HYDRAULIC PROPORTIONAL

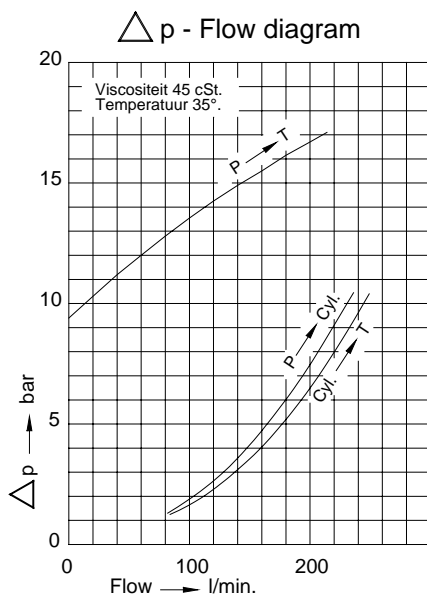
Pneumatic operation

Series HK



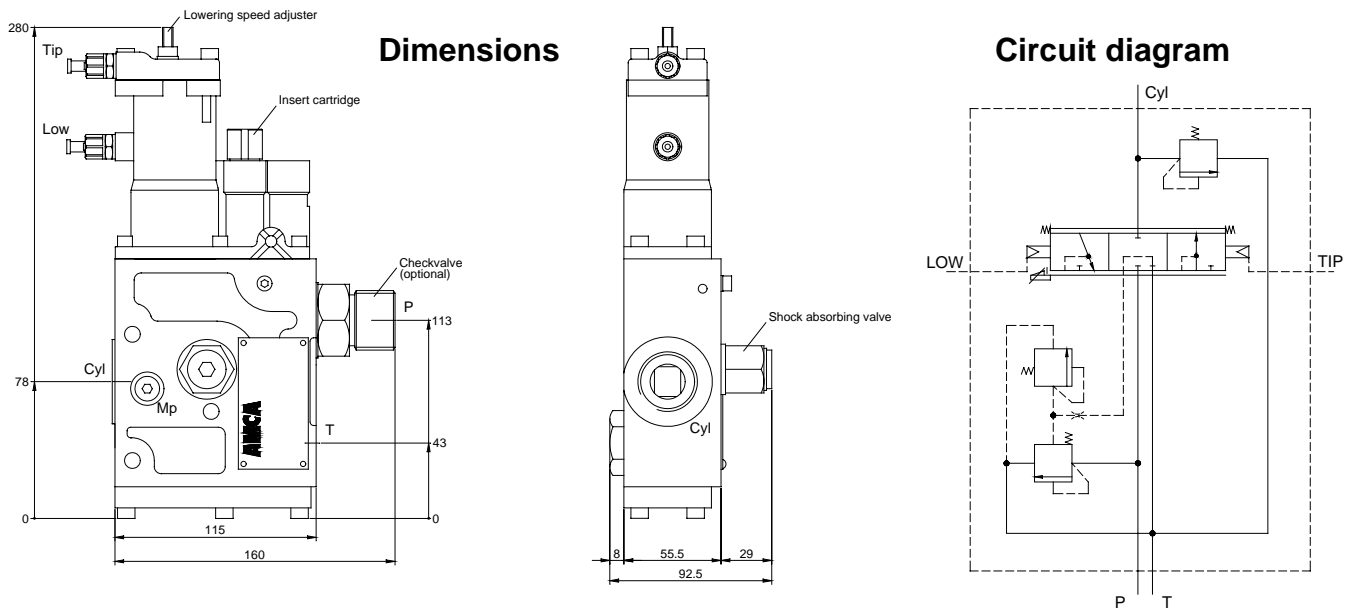
FEATURES

- 3/3-way pneumatic-hydraulic valve with built-in relief and lowering feature.
- Resistance-free lifting of loads.
- Safe holding of loads at any point.
- Fast lowering of empty body and light loads.
- Safe lowering of heavy loads at slower speeds. (Proportional control)
- Easy-to-fit to new and existing installations.
- AMCA tipper valves also available for manual and cable control.
- A surge damping valve to prevent peak pressures in the system.
- With lowering adjuster.



The diagram shows the internal resistance in the valve when oil flows from cylinder to tank, from pump to cylinder, as well as the pressure drop from pump to tank by free flow in neutral position of the main spool.

SPECIFICATIONS



GENERAL

- Double spool type valve with free flow in neutral position.
- Hydraulic port sizes pump (P), tank (T) and cylinder (Cyl) BSP 1" .
- Pneumatic port sizes tipping and lowering BSP 1/8".
- Pressure gauge point (Mp) BSP 1/8"
- Operating air pressure 0...6 bar. (0...85 psi)
- Max. working pressure by insert cartridge: 135, 150, 170, 190, 200, 220 or 250 bar. (1930, 2145, 2430, 2720, 2860, 3145 or 3575 psi)
- Shock absorbing valve, setting 270 bar. (3861 psi)
- Max. pressure on T port 40 bar. (572 psi)
- Max. flow 220 l/min (58 Usgpm) at visc. 32cSt. 40°C (104°F)
- Fluid: Mineral oil according to DIN 51524/51525.
- Allowed max. contamination level NAS 1638 class 11, or ISO 20/17.
- Fluid temperature range -35...+80°C. (-31...+177°C)
- Max. flow adjustment for lowering.

Available options:

- Thread SAE and NPT.
- Check valve on P port.

MOUNTING POSSIBILITIES

- Standard mounting to the oil tank, with mounting block welded to the oil tank, making a separate return line unnecessary.
- As a "remote control system" mounted in the chassis. A separate mounting kit with plate is available. Note: In this case a return line between valve and oil tank is necessary.

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