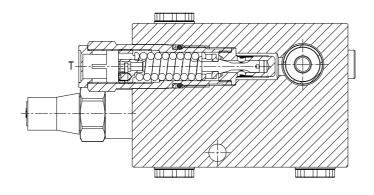


mm (inches)









SINGLE COUNTERBALANCE

AVBSOSE30PLVSFCSVPRPF16-D

08.39.46.03.18.35.00D

Material number R930007437

TECHNICAL DATA				
Max. operating pressure: 420 bar (6090 psi)			Max. f ow: 60 l/min (16 gpm)	
	Setting bar (psi) - cracking pressure	Adj. pressure range bar (psi)		Pressure increase bar/turn (psi/turn)
Valve 1	350 (5075)	100 - 3	50 (1450 - 5075)	138 (2001)
Valve 2	380 (5510)	200 - 4	20 (2900 - 6090)	94 (1363)
Relief setting valve 1: at least 1.2 times the highest expected load.				
Pilot ratio Valve 1: 2.1:1			Port size V2-Pil: M16x1.5 ISO 9974-1 C2: Ø 20.5 (0.81) T: G 3/8 ISO 1179-1	
Spare parts list				
Description			Code	

Seal f ange kit

E0000000000037 (MNR: R930005881) Cartridge (2) 04116703994201A (MNR: R930006219) KP9001493000000 (MNR: R930006196) Oil f Iter (3)

Material

Manifold: zinc plated steel. External parts: zinc plated steel.

Weight: 2.5 kg (5.5 lbs) Hydraulic f uid

Hydraulic f uid temperature range Mineral oil (HL, HLP) according to DIN 51524 -20 to +100°C (-4 to 212°F)

Viscosity range Filtration

10 to 500 mm²/s (cSt) Class 19/17/14 according to ISO 4406

Description

When pressure at V2 rises above the spring bias pressure, the check seat is pushed away from the piston and fow is allowed from V2 to C2. When load pressure at C2 rises above the pressure setting, the direct operated relief function is activated and fow is relieved from C2 to V2. The control piston is cross piloted through a one way restrictor (PRPF) protected by a flter and, with pilot pressure at Pil, the pressure setting is reduced in proportion to the stated ratio of the valve, until opening and allowing fow from C2 to V2. The spring chamber is drained to V2 and any back-pressure at V2 is additive to the pressure setting in all functions. The leak free pressure relief valve (2) senses C2 pressure and opens under overload or shock conditions. For component assembly, the C2 port is banjo bolted directly to the actuator port.

All ports closed with plastic plugs.

Application

Concrete pump arm lifting cylinder.