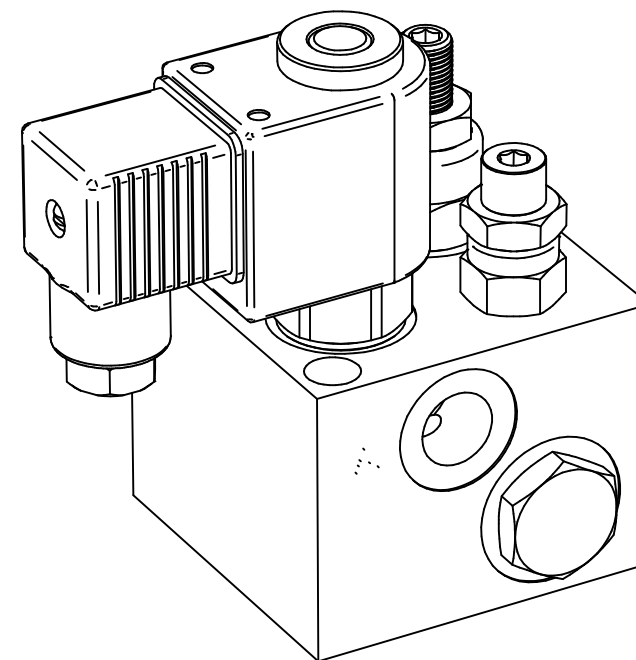
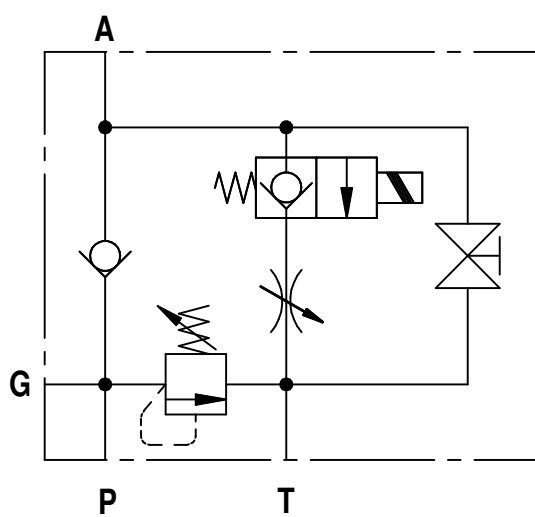




FLUID POWER SYMBOL



APPLICATION

Lift Lower blocks are a compact hydraulic solution to control single acting cylinders that are generally mounted on stackers and scissor lifts. They offer a complete solution for lifting, controlled lowering and safety of the pump, cylinder and personnel.

Operation

OPERATION

When the pump is switched on, the oil from the pump extends the cylinder. After full extension, the Check Valve holds the load in place at which point the pump can be switched off. To lower the valve, the Solenoid Valve is energized which opens the flow of oil to tank. The rate of lowering is adjusted by means of a Flow Control Valve. There is an inbuilt Relief Valve (4) for pump protection in case of a rise in pressure and an emergency drain option for operation during power outages.

FEATURES

The system is mounted on the framework of the stacker/scissor lift itself. The compact nature of the hydraulic system reduces the need for bulky valves and piping. Solenoid valves are available with a manual over-ride function to lower the platform in case of power failure.

Due to the load holding nature of the system, there is no need for the pump to offer continuous duty and hence there is reduced power consumption.

General Specifications

Description	hydraulic integrated circuit	
Nominal Size	-	
Mounting	2 bolt holes for M6 threaded bolts	
Installation Position	any	
Ambient Temp.	-20°C to +50°C	
Manifold Material	Aluminium	
Weight	LB 02	1.36 kg

Hydraulic Specifications

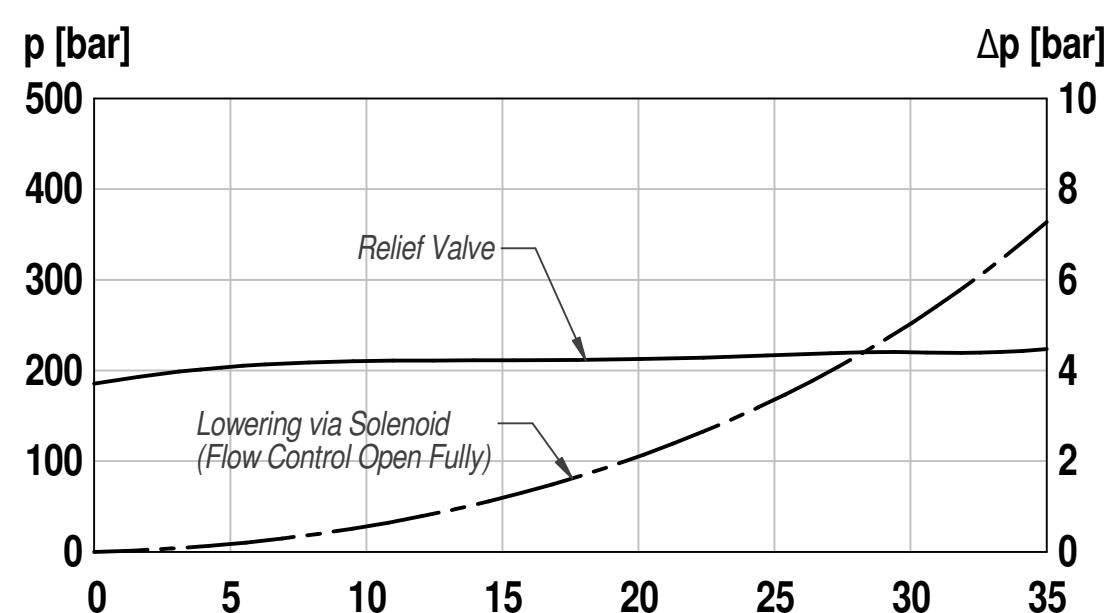
Hydraulic Fluid	Mineral oils. Contact sales office for other fluids.
Max. Pressure	350 bar
Rated Flow	35 lpm
Max. Contamination Level	BS5540/4 Class 18/16/13 (25µ nominal)
Viscosity Range	5 to 500 cSt
Leakage Flow	Less than 0.3 ml/min (5 dpm)
Hydraulic Fluid Temp.	-20°C to +90°C (Standard Seals)
Peak Pressure	240 bar

ORDERING CODE

LB 02 230	
BASIC CODE LB - Lift Block	Voltage 24: 24 VDC 230: 230 VAC
SIZE 02: Size 02	

CHARACTERISTICS. Figures Based on: Oil Temp = 40°C, Viscosity = 40 cSt

Pressure v/s Volume Flow (Maximum adjustable pressure)



DIMENSIONS

BASIC CODE: LB 02

