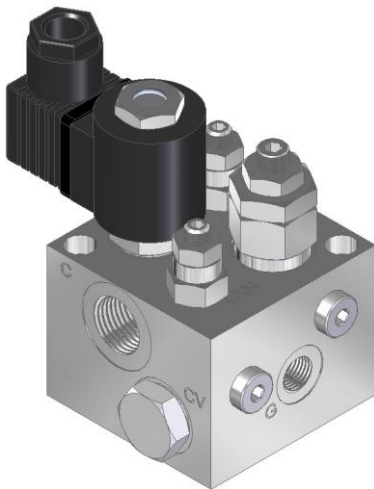
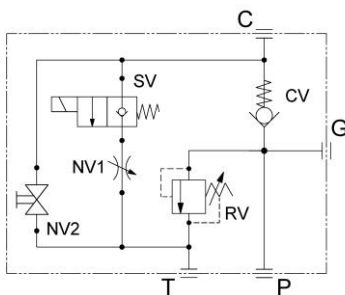


Overview



Symbol



Description

Lift Lower blocks serve as a compact hydraulic system designed to manage single acting cylinders, typically found on stackers and scissor lifts. These blocks provide a comprehensive solution for raising and safely lowering loads while ensuring the protection of the pump, cylinder, and personnel.

Operation

Once the power pack is switched on, the pump flow is directed to the hydraulic cylinders, extending them to lift the load. When the required height is reached, the power pack is switched off and the check and poppet valves together provide a leak-proof hold for the cylinders. To lower the load, the solenoid coil is energized, opening the fluid path to the tank and allowing the cylinders to retract. The lowering speed is controlled by the flow control valve.

The shut-off valve is used to lower the load during a power failure or in an emergency situation.

Note:

Ports P and T are Bottom Connection.

Features

- Application: for simple, load dependent lift-lowering controls.
e.g. Scissor lifts, Goods Lifts, Small forklifts and Stackers.
- Load dependent lowering of the lifted load via 2/2 solenoid poppet valve with adjustable needle valve.
- LLB manifolds for the lift & lowering are tailored to the varied demands of the lifting technology sector.
- Permitted load is safeguarded by a built-in pressure relief valve.
- Built-in check valve prevents uncontrolled lowering.
- Shut-off valve (NV2) is provided to lower the load during a power failure or in an emergency situation.

Ratings

Operating Pressure	: 210 Bar
Fluids	: Hydraulic oil – ISO VG32 to 68.
Media operating temp.	: -20°C up to +80°C
Viscosity range	: 10 – 400 mm ² /s is recommended
Filtration	: NAS Class - 10
Material	: Aluminium.

Size	Model Code	Flow Rate (lpm)
020	LLBI-020	20
040	LLBI-040	40
060	LLBI-060	60

Electrical Data – Solenoid Data

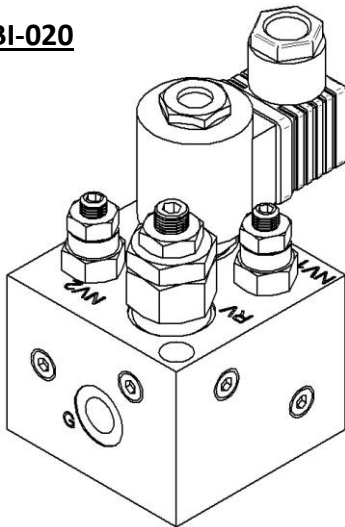
Type of voltage	: 110V AC / 220V AC / 12V DC / 24V DC.
Nominal current at 20° C	: 0.8A at 24 V DC, 30 Ohm 0.1A at 230 V AC, 2137 Ohm
Voltage tolerance	: +/- 20 % of nominal voltage

Model Code

LLBI	-	-	-	-
Type	Size	Coil Voltage	Material	
	020	1 = 12V DC	A = Aluminium	
	040	2 = 24V DC		
	060	3 = 110V AC		
		4 = 220V AC		

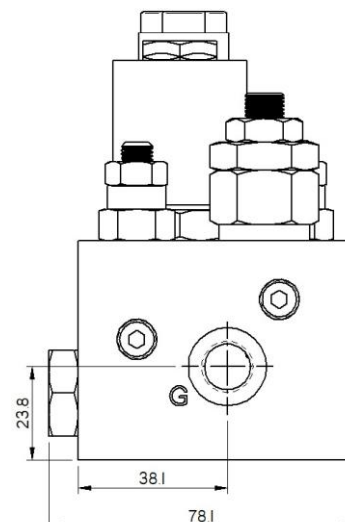
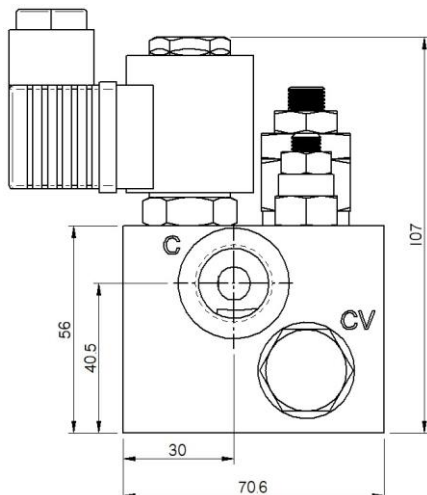
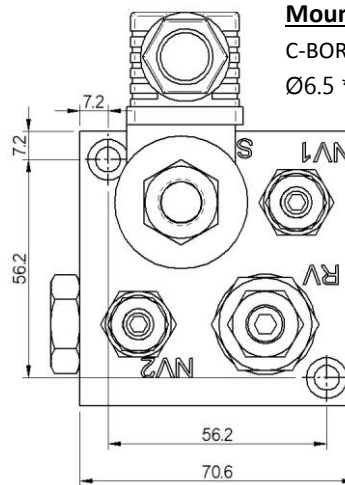
Installation specifications

➤ LLBI-020



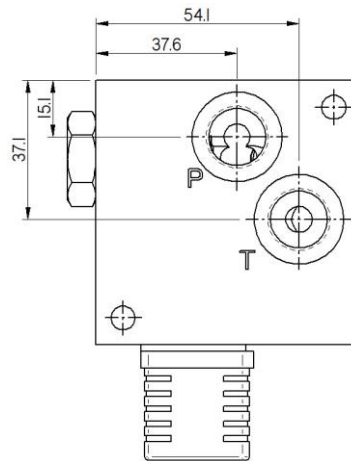
Mounting Hole- 2Nos

C-BORE Ø11*7Deep
Ø6.5 *Thru

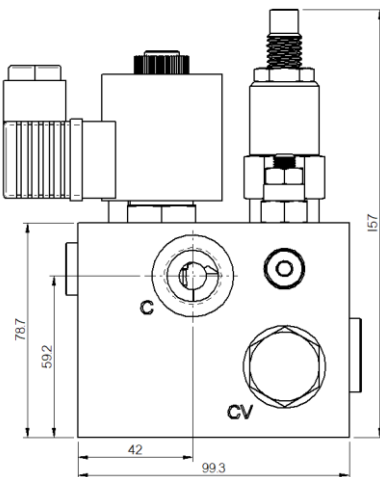
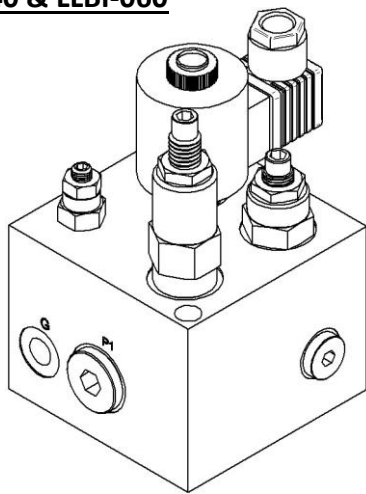


Ports:

- P = Pump line G3/8
- T = Tank line G3/8
- C = Cylinder line G1/2
- G = Gauge line G1/4



➤ **LLBI-040 & LLBI-060**



Ports:

- P = Pump line G1/2
- P1= Pump line G1/2
- T = Tank line G1/2
- C = Cylinder line G1/2
- G = Gauge line G1/4

Note :

Where measurements are critical request certified drawings.
We reserve the right to change specifications without notice.

Mounting Hole- 2Nos

C-BORE Ø11*12Deep
Ø7 *Thru

