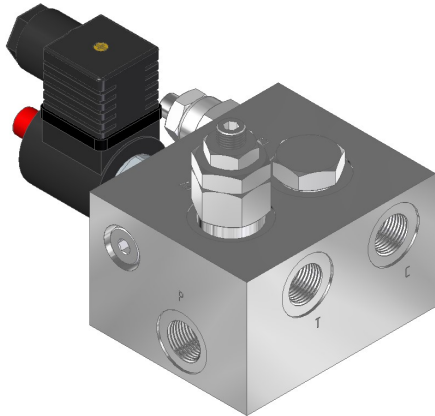


Overview



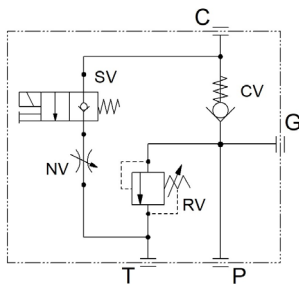
Description

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 SV 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 NV.

Symbol



Note:

Ports **P** and **T** are Side 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.

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

Size	Model Code	Flow Rate (lpm)
025	LLB-025	25
040	LLB-040	40
100	LLB-100	100
150	LLB-150	150

Electrical Data – Solenoid Data

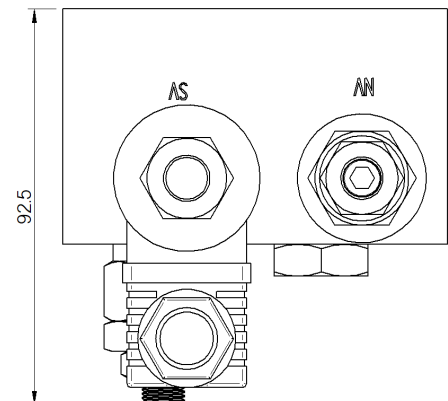
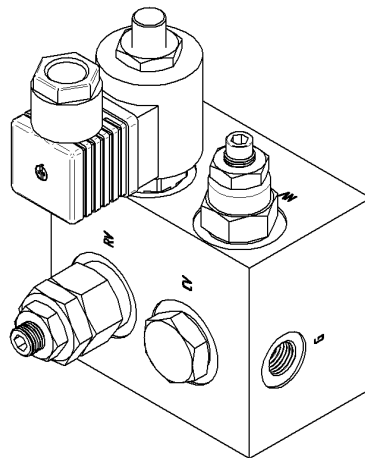
Type of voltage	: 110V AC / 220V AC / 12V DC / 24V DC
Nominal current at 20° C	: 0.8A at 24 V DC, 30 Ohm 0.1A at 230 V AC, 2137 Ohm
Voltage tolerance	: +/- 20 % of nominal voltage

Model Code

LLB	-	-	-	-
Type	<u>Size</u>	<u>Coil Voltage</u>	<u>Material</u>	
	025	1- 12V DC	A - Aluminium	
	040	2- 24V DC	S - Steel	
	100	3- 110V AC		
	150	4- 220V AC		

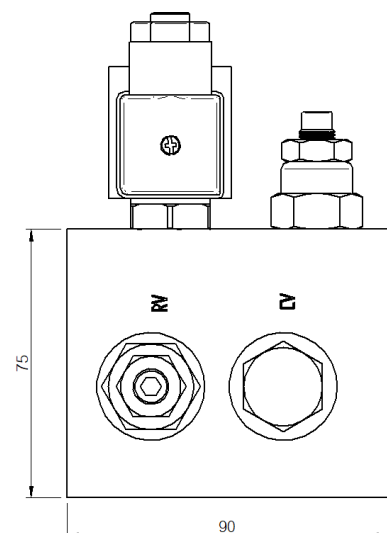
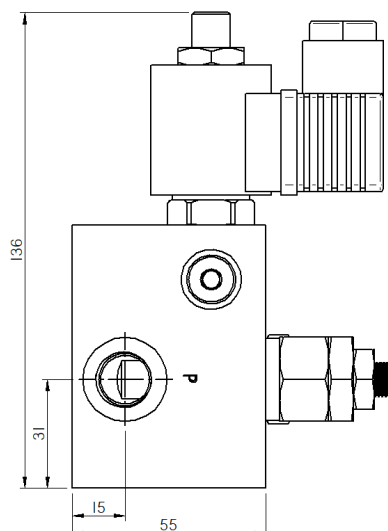
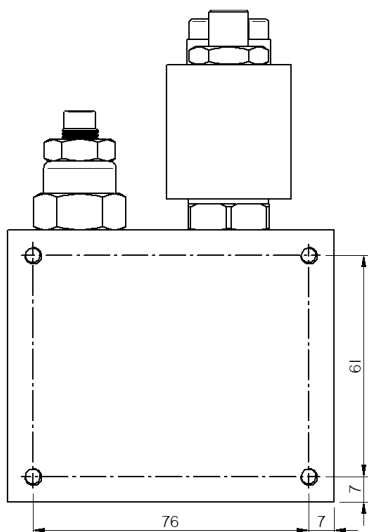
Installation specifications

➤ LLB-025



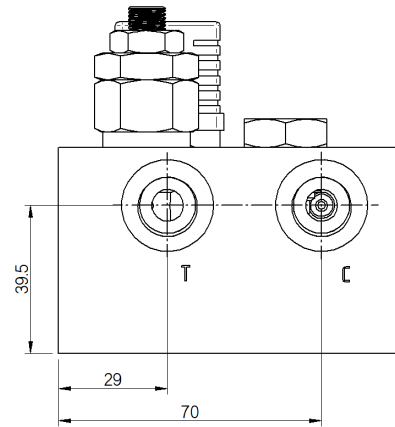
Mounting Hole- 4Nos

Ø4.2 *15Deep
M5 *10Deep



Ports:

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

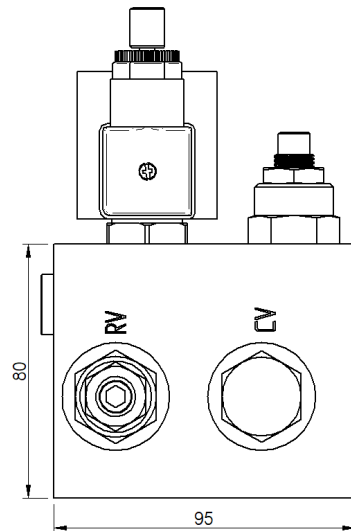
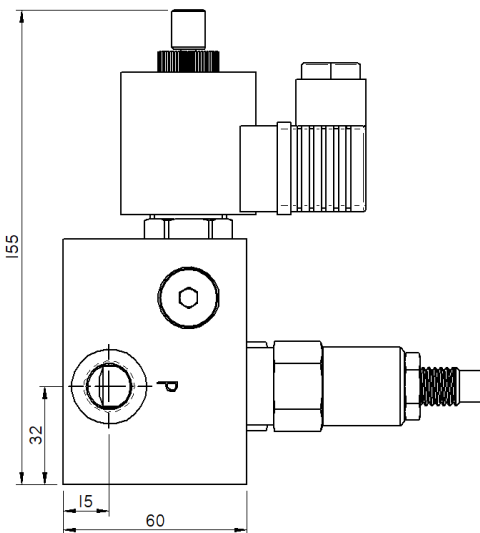
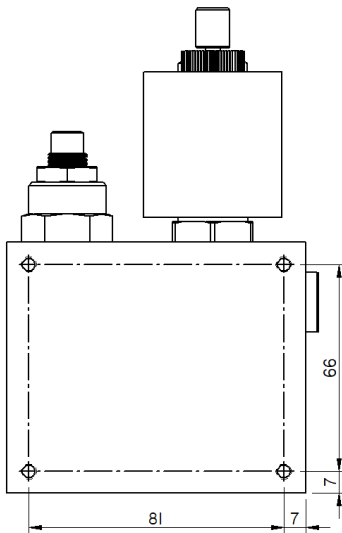
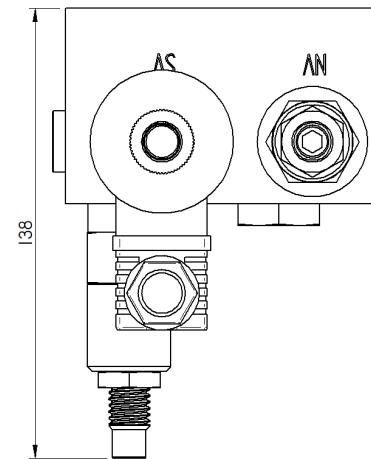
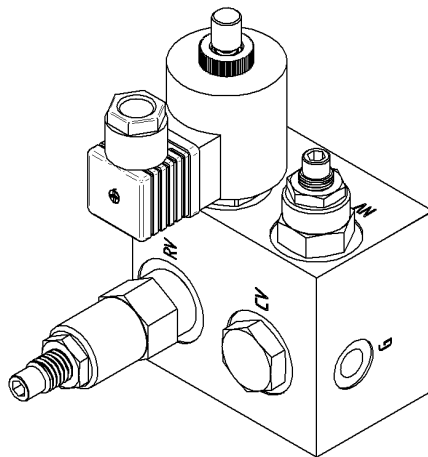


➤ **LLB-040**

Mounting Hole- 4Nos

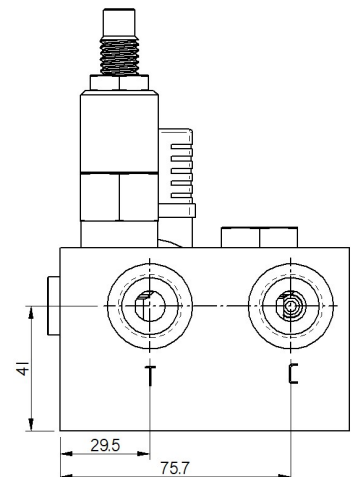
Ø4.2 *15Deep

M5 *10Deep

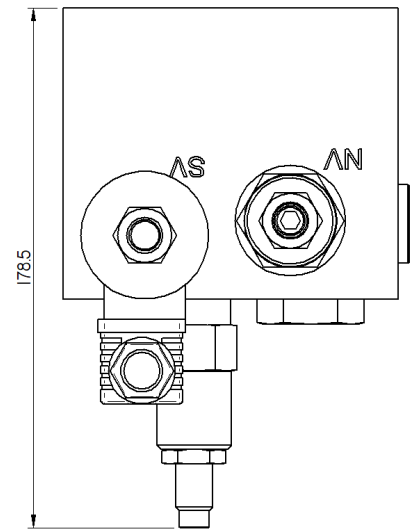
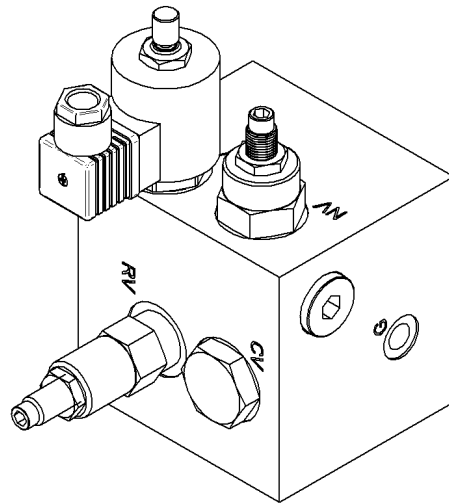


Ports:

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



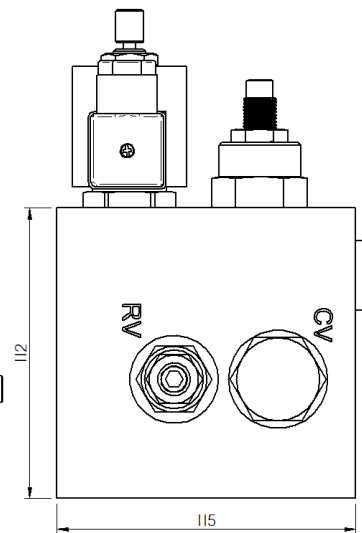
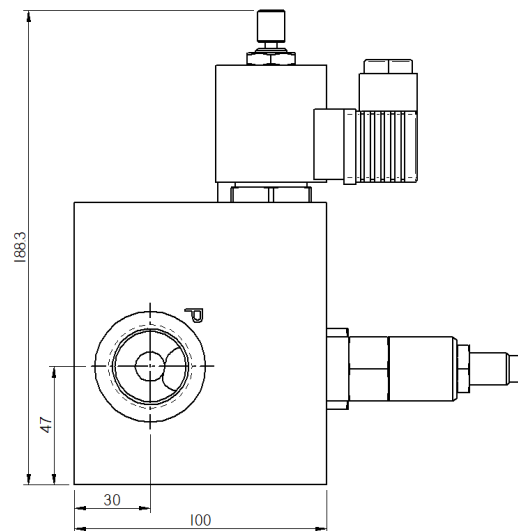
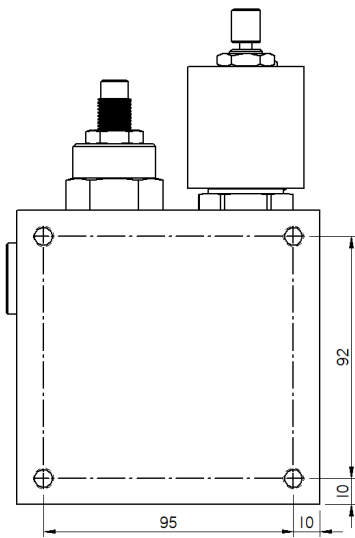
➤ **LLB-100**



Mounting Hole- 4Nos

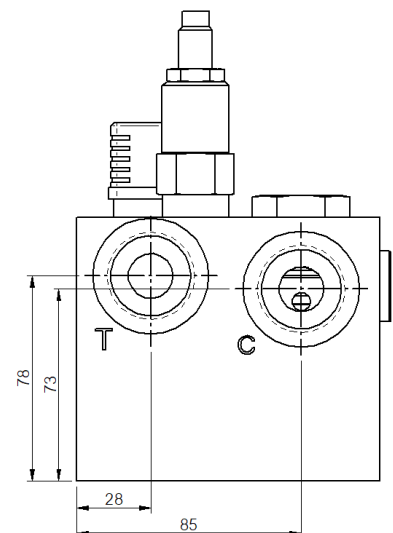
Ø6.8 *20Deep

M8 *16Deep

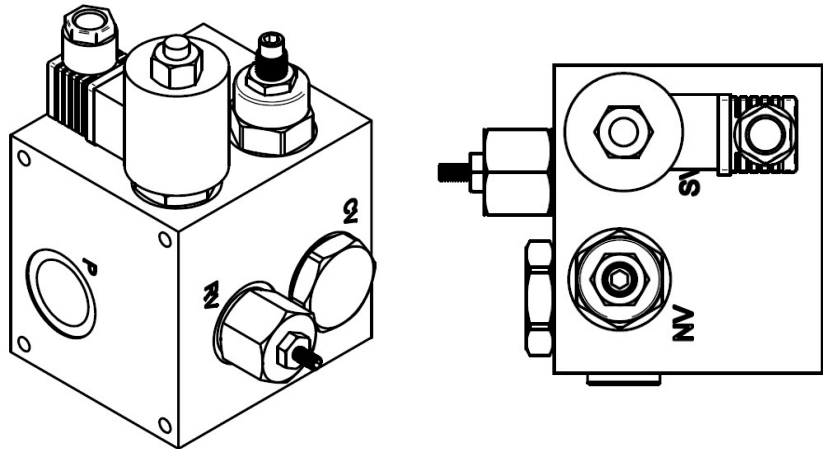


Ports:

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



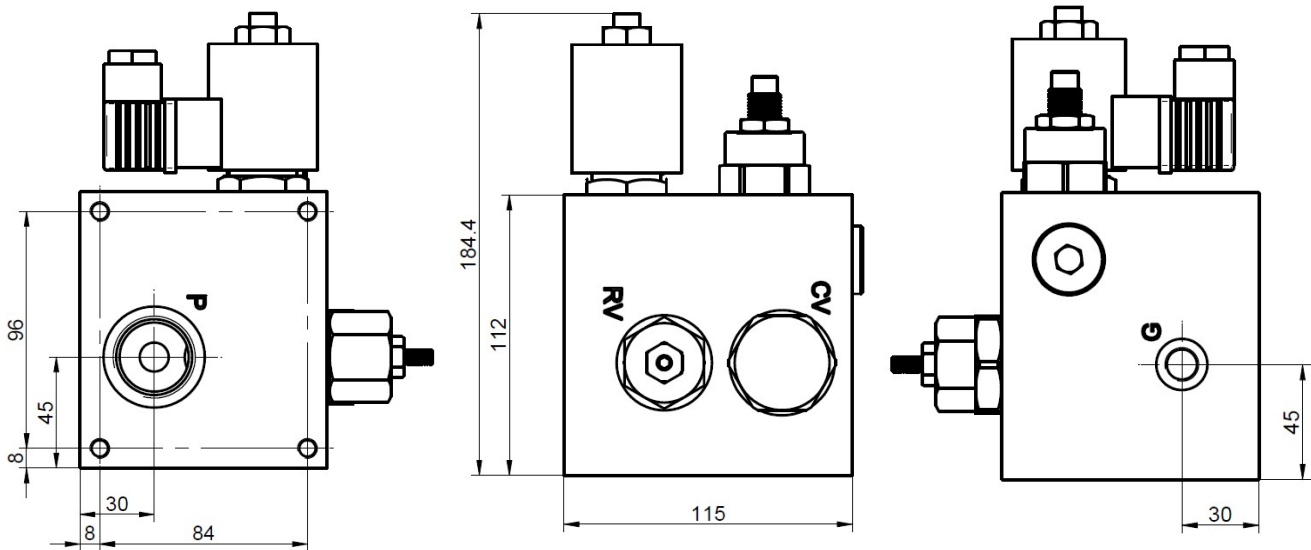
➤ **LLB-150**



Mounting Hole- 4Nos

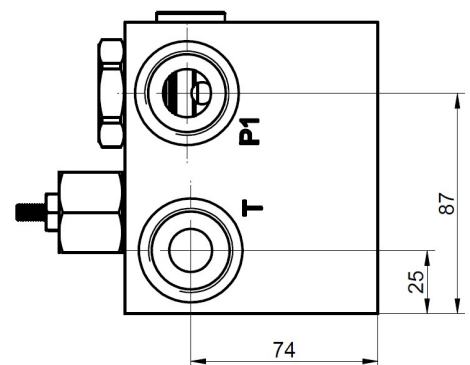
Ø6.8 *15Deep

M8 *12Deep



Ports:

- P = Pump line G1
- T = Tank line G1
- P1 = Additional Pump line G1
- G = Gauge line G1/4



Note :

Where measurements are critical request certified drawings.

We reserve the right to change specifications without notice.