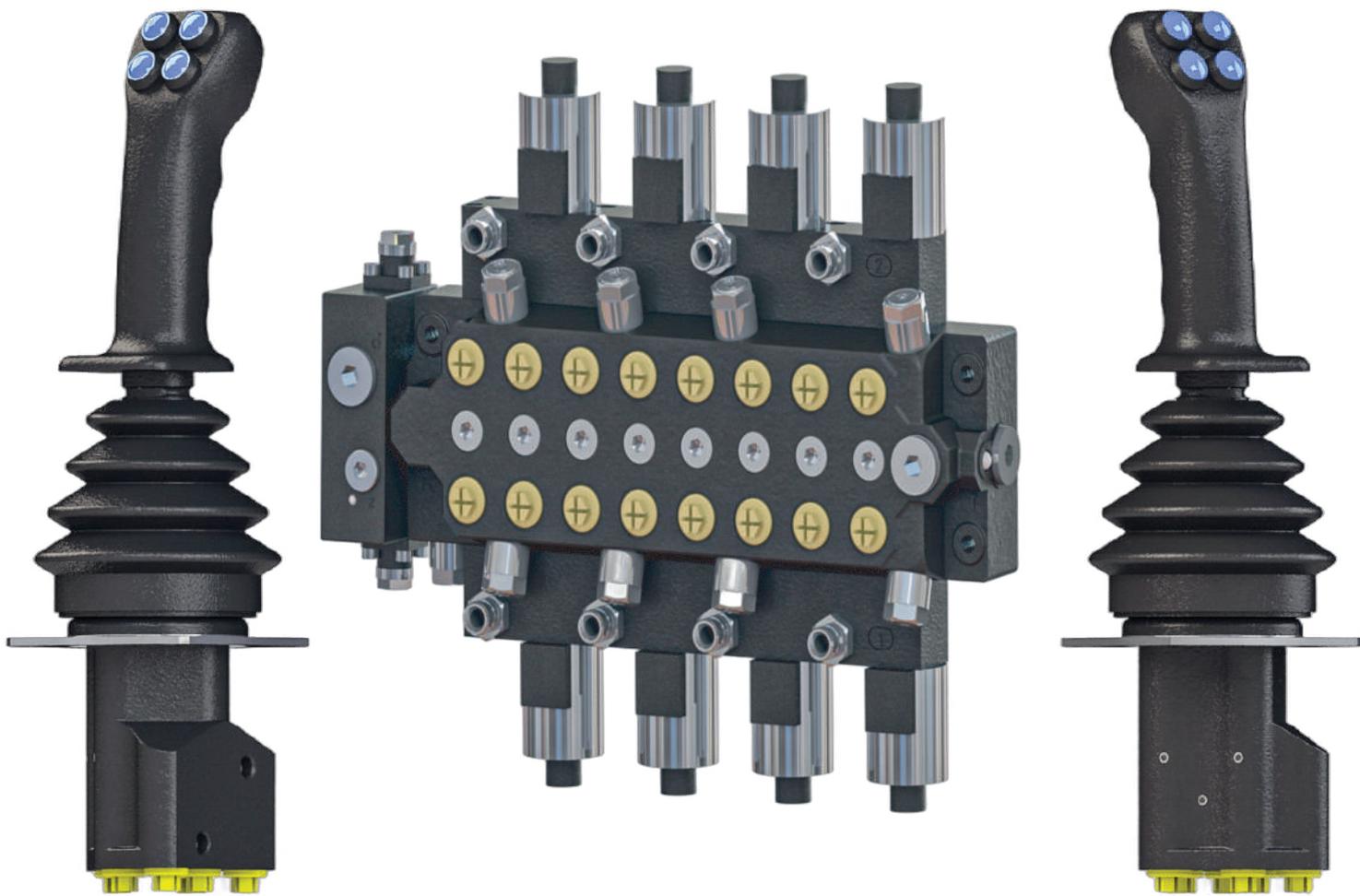
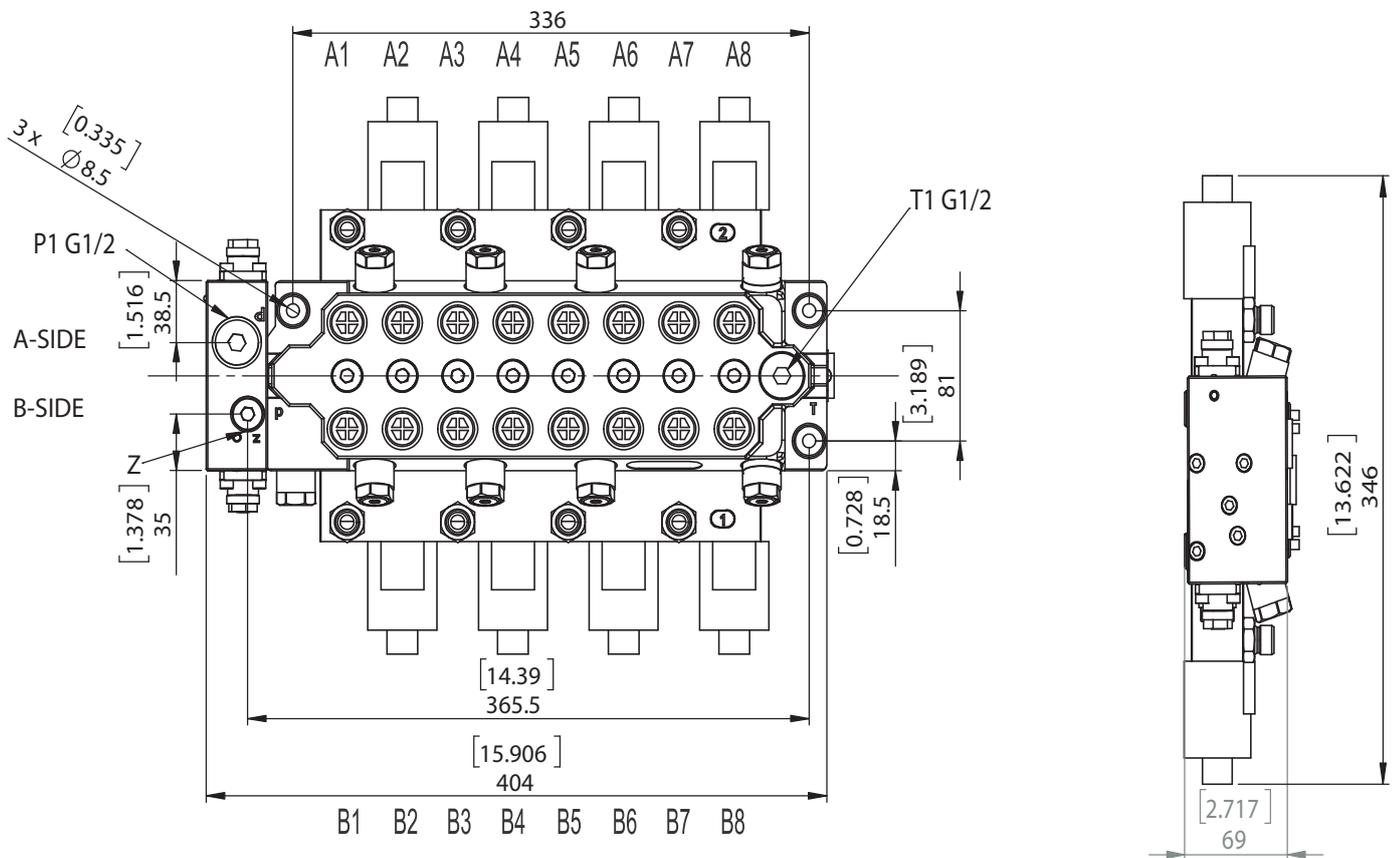


FINN ROTOR

CRV 60 EO



Valve - Dimensions and Technical values



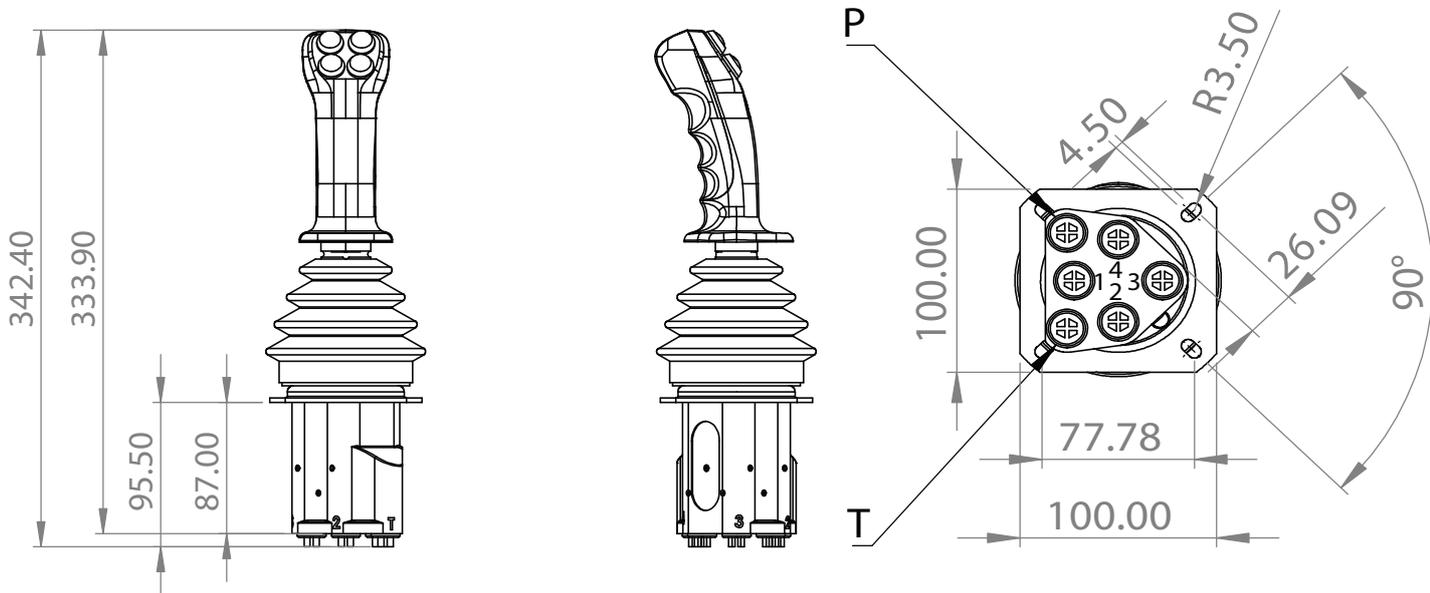
Max pressure (R)	250 bar
Max flow	60 l/min
Max tank line pressure	10 bar
Max temperature of oil	+60 C
Min temperature	-20 C
Pilot pressure	25-35 bar

CONNECTIONS	
Port oil pressure in (P1)	G1/2"
Port oil out (T , T1)	G1/2"
Pilot pressure supply (Z)	G1/4"
Ports (work A1...A8, B1..B8)	G3/8"
Ports pilot pressure control	G1/4"
Electrical	12 VDC,2.5 A

PORT	Function	Control by
A1	Slewing left	L3
A2	Left leg up	LA
A3	Second boom out	L4
A4	Right leg down	RD
A5	Main boom up	R4
A6	Grapple open	RA
A7	Rotator	R3
A8	Extension boom out	LC

PORT	Function	Control by
B1	Slewing right	L1
B2	Left leg down	LB
B3	Second boom in	L2
B4	Right leg up	RC
B5	Main boom down	R2
B6	Grapple close	RB
B7	Rotator	R1
B8	Extension boom in	LD

Joystick - Dimensions and Technical values



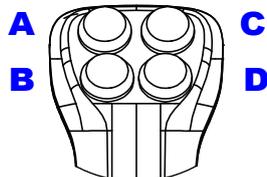
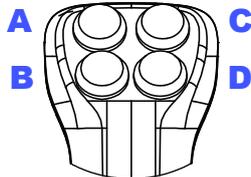
Max pressure 80 bar
Weight 1,9 kg
Button Switch 12 vdc, 2 A

P Pilot pressure G1/4
T To tank G1/4

there must be no back pressure in the return line



L



R

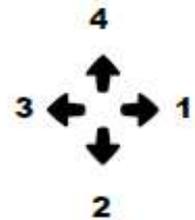
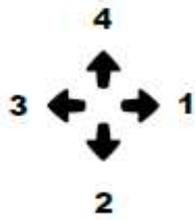
LEFT HANDLE

Control	Function
L1	Slewing right
L2	Second boom in
L3	Slewing left
L4	Second boom out
LA	Left leg up
LB	Left leg down
LC	Extension boom out
LD	Extension boom in

RIGHT HANDLE

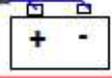
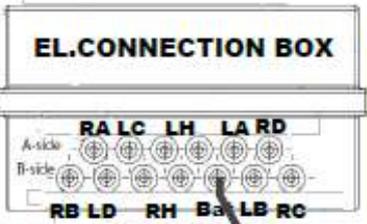
Control	Function
R1	Rotator
R2	Main boom down
R3	Rotator
R4	Main boom up
RA	Grapple open
RB	Grappleclose
RC	Right leg up
RD	Right leg down

CRV 60 EO CONNECTIONS



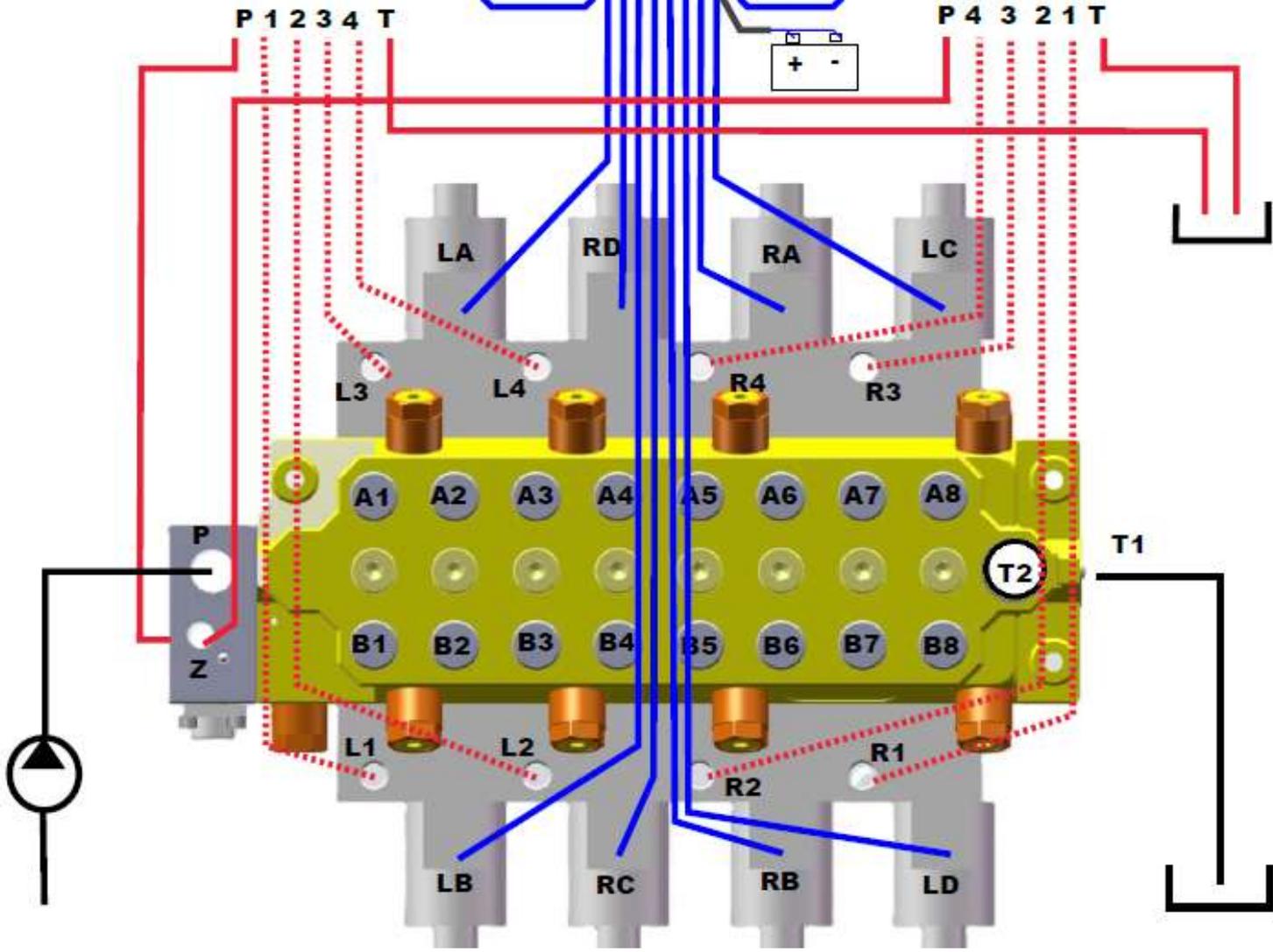
L

R



P 1 2 3 4 T

P 4 3 2 1 T



Wiring

Use the included wiring set to connect the joysticks to the valve block. Fasten the plastic electrical connection box to a safe place near the valve. For power supply you need to add cable to the battery.



Joystick connectors



Connectors for coils at valve

Pressure filter

To ensure the correct operation of the pilot control valve bank, there must be a pressure filter between the pump and the valve. Lead the oil from the filter directly to the inlet connector (P) of the valve. Under no circumstances there may be any quick connectors between the filter and the valve.

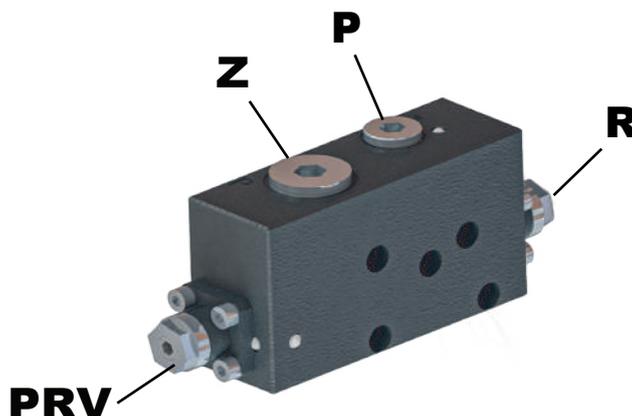
For the first time, the filter should be replaced after about 100 operating hours in order to remove any impurities that have found their way into the system upon installation, etc. After that, the filter should be replaced at least once a year or more frequently depending on the operating hours.

Pilot pressure (instruction)

Pilot pressure has been factory-set for optimum operation. If the pressure needs to be re-adjusted, use the pressure reducer valve (PRV) for this purpose. The aim is to maintain the minimum pilot pressure that allows correct operation, usually at 25 to 35 bar. An excessively low pilot pressure will make the controls inoperable (the loader will not respond to the controls at all, or only some of the functions will work, the loader is slow and powerless, or there is delay in response). An excessively high pilot pressure will lead to excessive energy consumption (overheating).

Remove the cap nut of PRV. Adjust the pilot pressure. Lock the adjusting screw and replace the cap nut. Pilot pressure is measured from the pilot control line (Z) for the controls.

If needed, adjust with restrictor valve (R) the system pressure (P) to be a bit above target pilot pressure when control valve is unloaded flow through situation.



Other instructions

Packaging, transportation and storage

The pilot control valve bank should be protected and fixed firmly in position if the valve is transported unassembled. The control cups are made of aluminium and may be damaged if the heavy valve block is allowed to hit against them during transit.

The on-off functions of the controls are actuated by micro switches. To ensure correct operation of the switches, the controls should be protected from moisture and dirt.

Warranty terms

WARRANTY TIME

One year from introduction / 2000 h, maximum 2 years from the time of purchase.

OTHER CONDITIONS

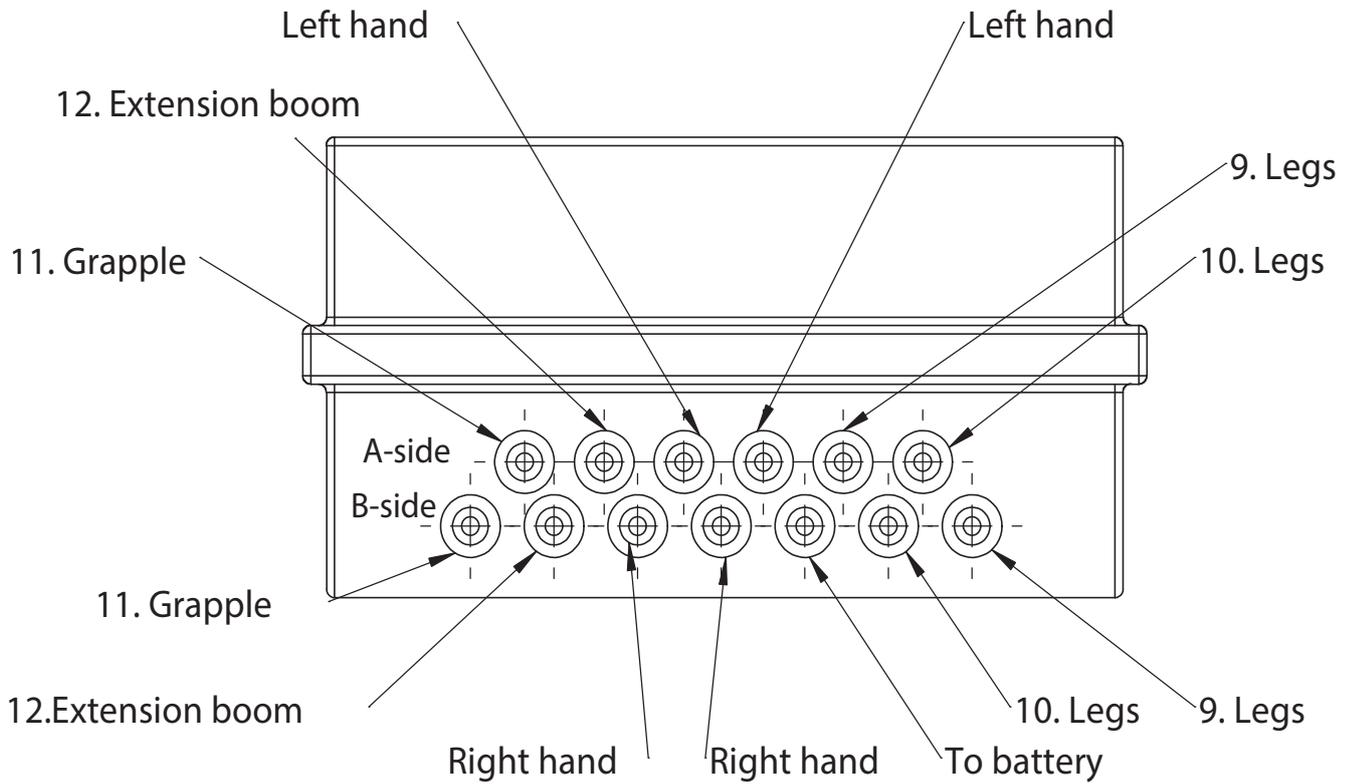
The guarantee covers faults that are demonstrably due to faulty materials or workmanship. The guarantee does not cover faults caused by normal wear and tear, neglect, misuse, faulty installation or incorrect repair.

Any fault must be reported without delay to the manufacturer in order to establish, if the damage is covered by the guarantee.

Manufacturer reserves the right to stipulate that the rotator must be returned to the manufacturer for repair under guarantee. The guarantee covers a replacement part or repair of the part, if the repair results in a part equivalent to a new one. The purchaser of the equipment is responsible for the transportation and installation costs of the equipment/parts under the guarantee.

The guarantee is void, if the rotator has been modified so that it differs from the original because of e.g. additional structures, structural changes, or replacement parts which are not original. The guarantee becomes void, if the rotator is resold to the another part during the guarantee period.

Wire technical explanation



The numbers which are written on the drawing are connected to the picture with the EO valve connections.