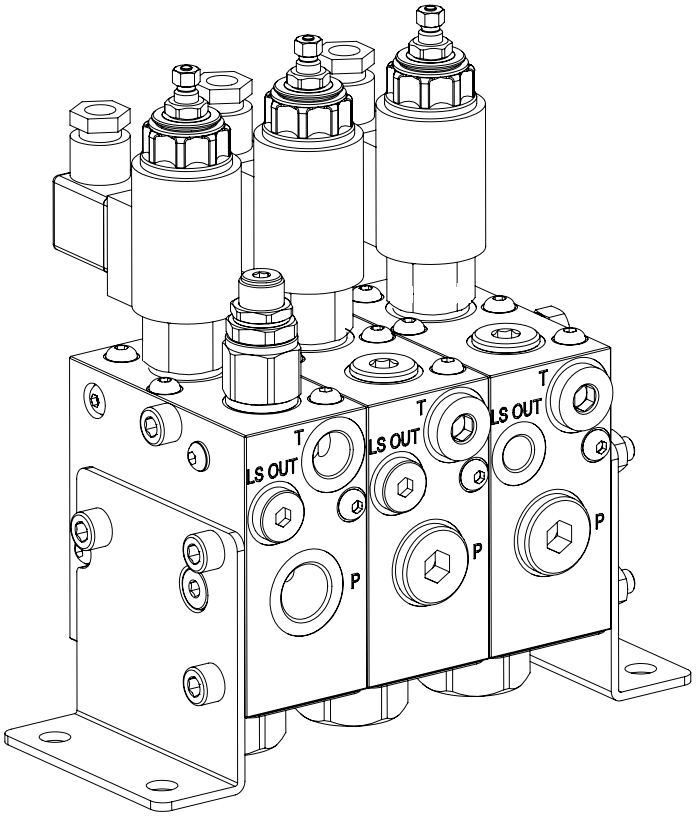
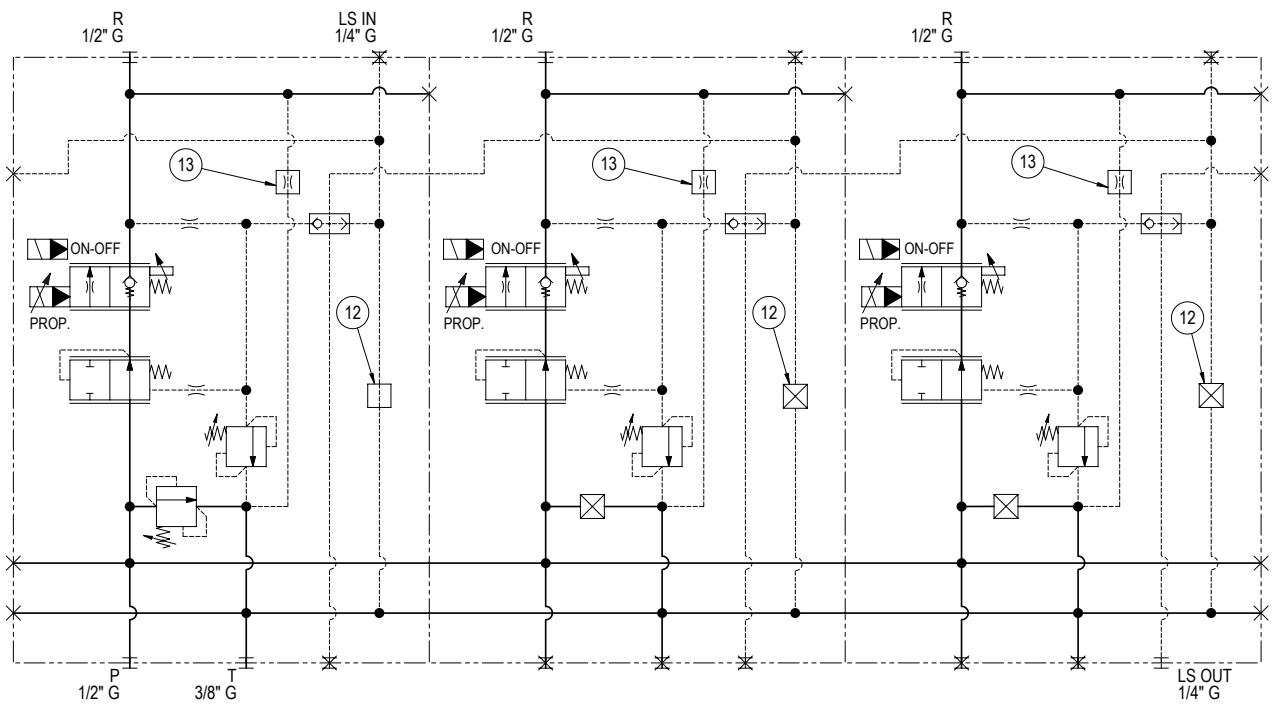
Management block for simultaneous feeds with a variable displacement pump 1/2” G

H97133

This equipment allows to set different flow rates and different pressures for multiple outputs connected to the same variable displacement pump. On each section the electrically operated cartridge is the same in on-off and proportional. It is equipped with a manual stroke limitation to use with the on-off coil. The same function is done electrically by adopting a proportional coil. The flow rates and pressures set are also respected for contemporary uses.
To offer greater flexibility in warehouse management, the different types of sections, input / intermediate / closing, use the same manifold. So they can be transformed into another type of section by adding / removing a few components (see bill of materials for details). The LS OUT (towards the pump) must be on the closing section, a potential LS IN (coming from a distributor, for example) on the inlet section.
If you need only one section use the stand alone one.

Dimensions in mm





Management block for simultaneous feeds with a variable displacement pump 1/2” G - Stand alone section

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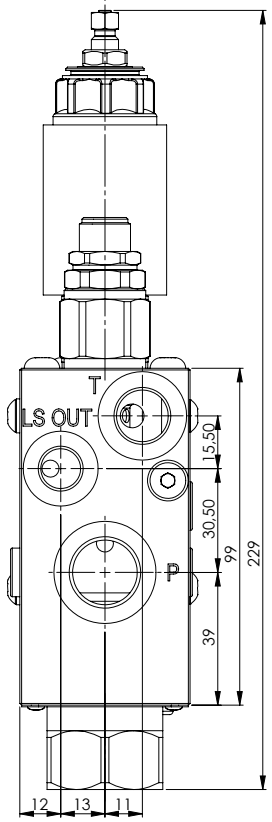
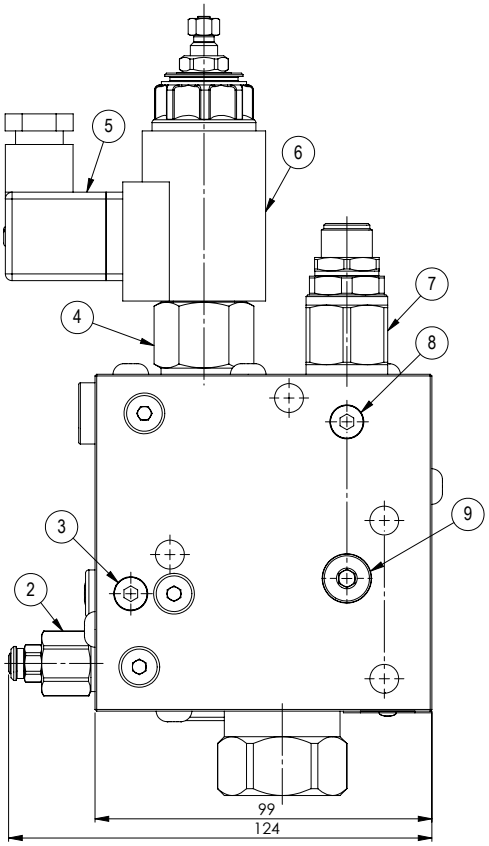
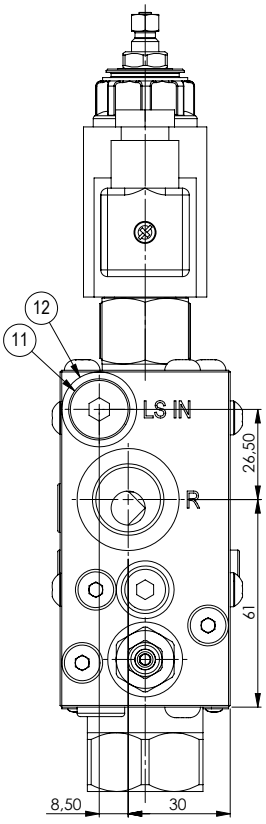
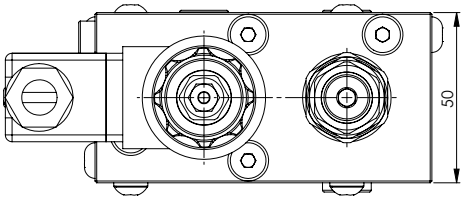
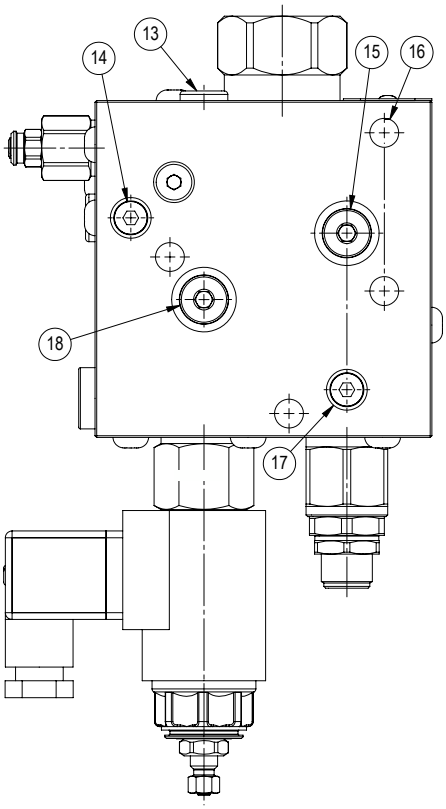


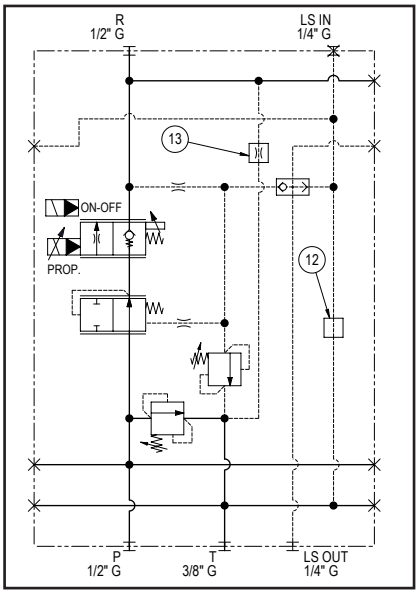


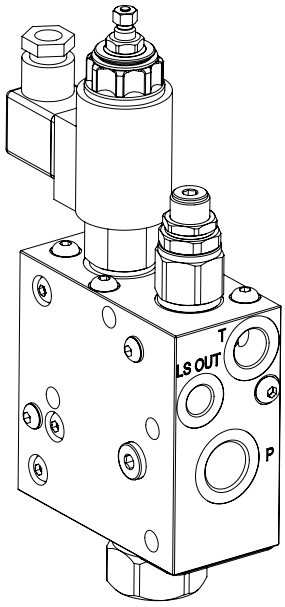


Technical data		
Inlet max. flow		100 lpm
Regulated max. flow	6 bar spring 50 lpm 12 bar spring 80 lpm	
LS IN / LS OUT ports		1/4” G
T port		3/8” G
P / R ports		1/2” G
Man. material	Aluminium	Steel
Max. pressure	250 bar	350 bar
Weight	2,5 Kg	4,4 Kg





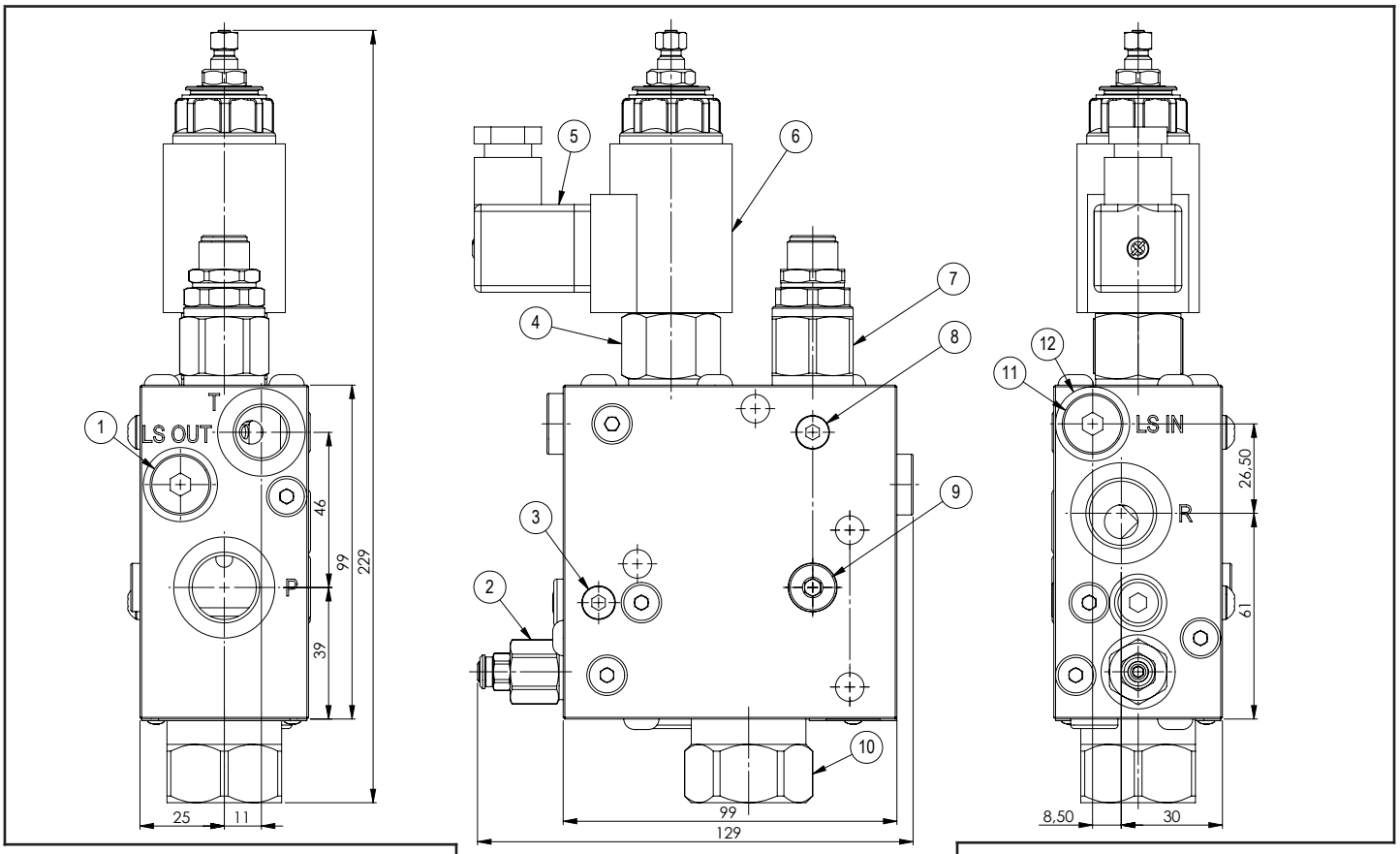




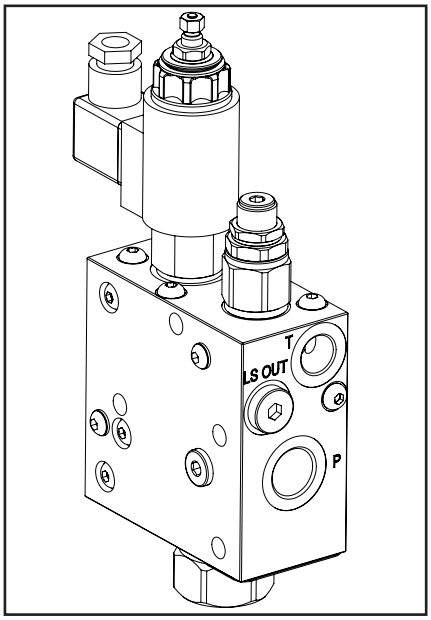
Management block for simultaneous feeds with a variable displacement pump 1/2” G - Inlet section

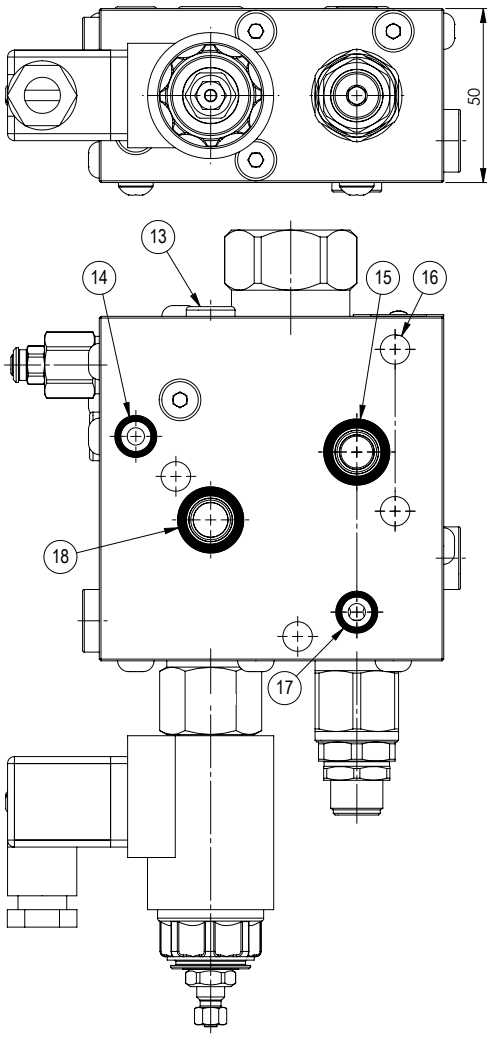
H97133

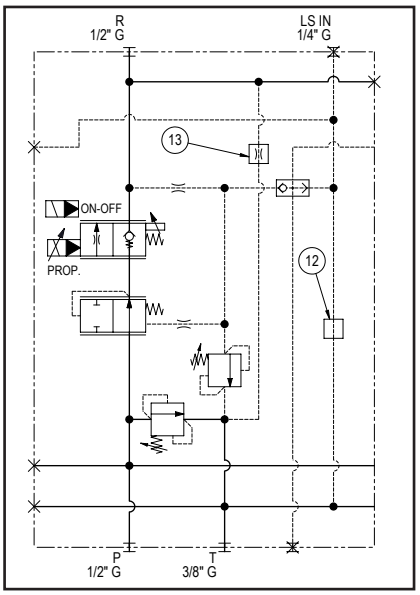
Dimensions in mm



Technical data		
Inlet max. flow		100 lpm
Regulated max. flow	6 bar spring 50 lpm 12 bar spring 80 lpm	
LS IN port		1/4” G
T port		3/8” G
P / R ports		1/2” G
Man. material	Aluminium	Steel
Max. pressure	250 bar	350 bar
Weight	2,5 Kg	4,4 Kg

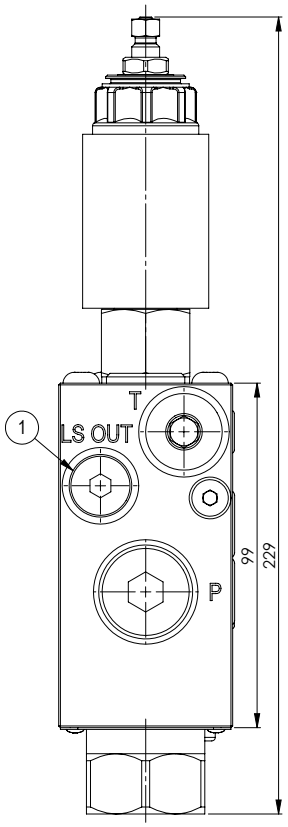


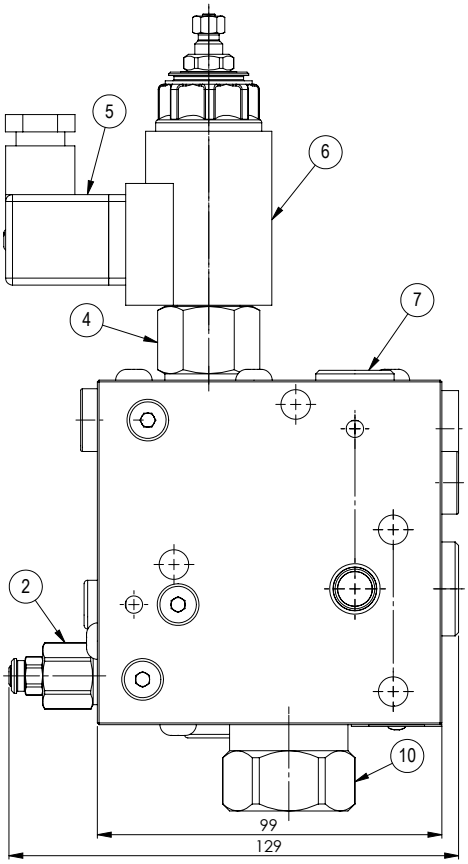


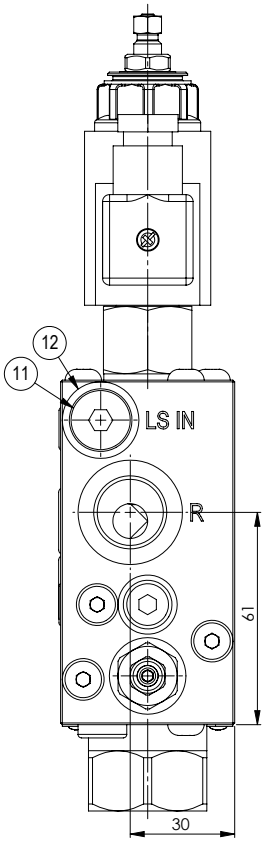


Management block for simultaneous feeds with a variable displacement pump 1/2” G - Intermediate section

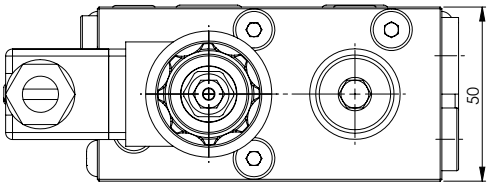
H97133

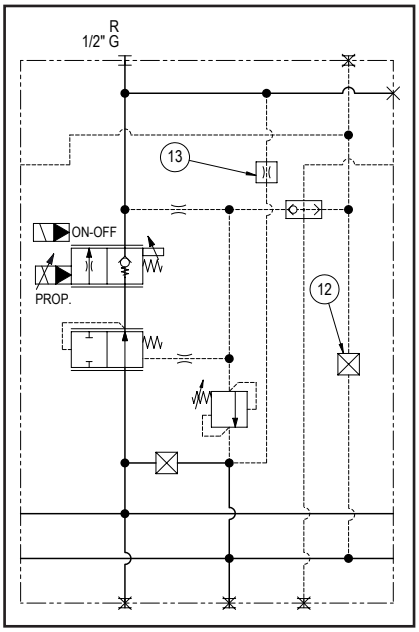


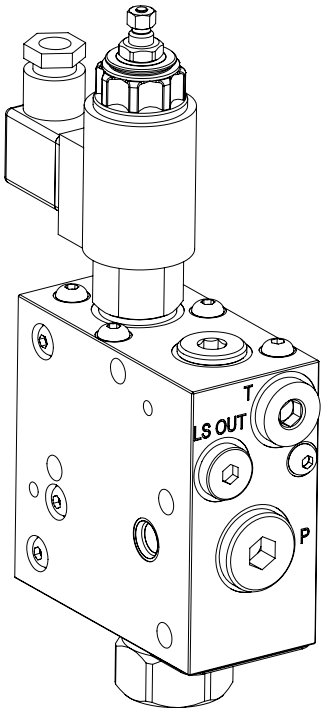


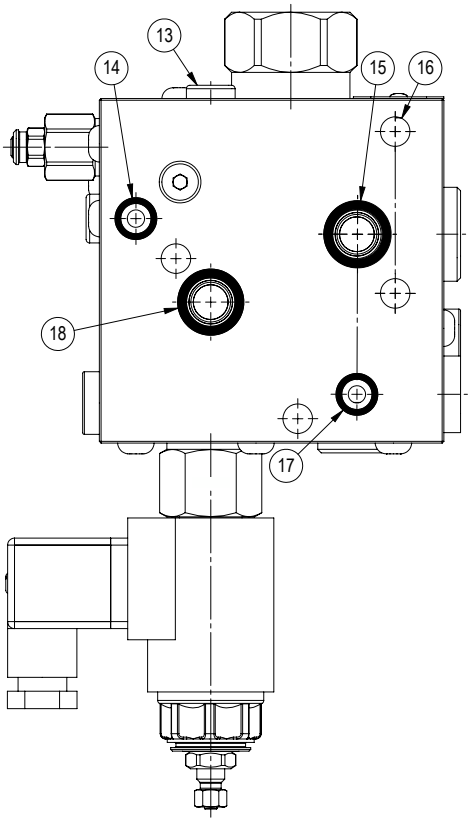


Technical data		
Regulated max. flow	6 bar spring 50 lpm 12 bar spring 80 lpm	
R port		1/2” G
Man. material	Aluminium	Steel
Max. pressure	250 bar	350 bar
Weight	2,4 Kg	4,3 Kg





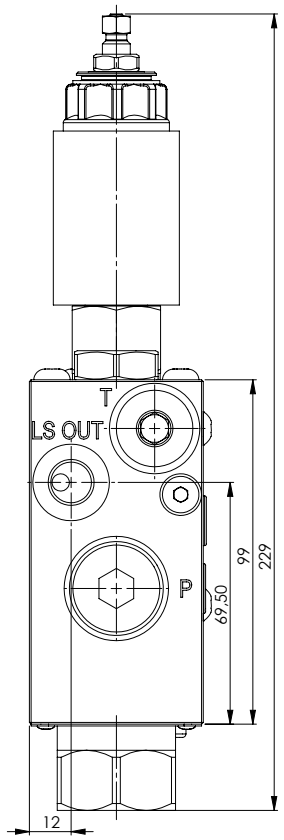


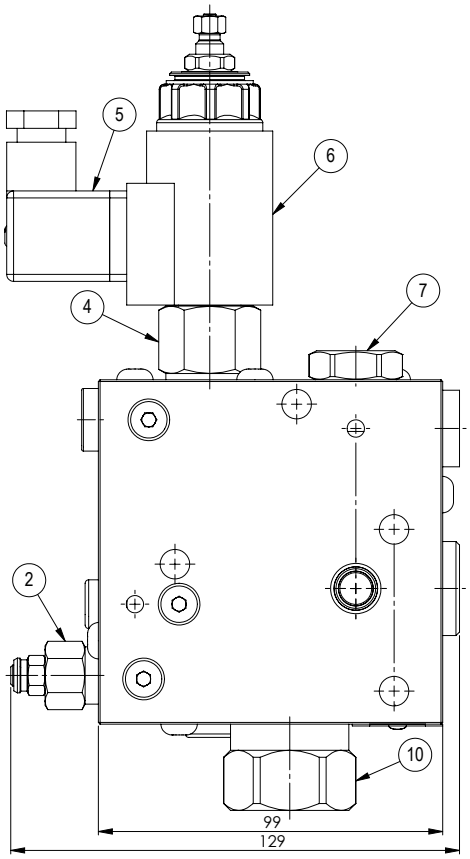


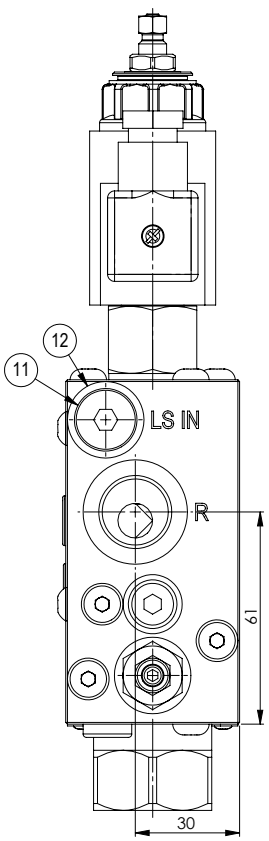
Management block for simultaneous feeds with a variable displacement pump 1/2” G - Closing section

H97133

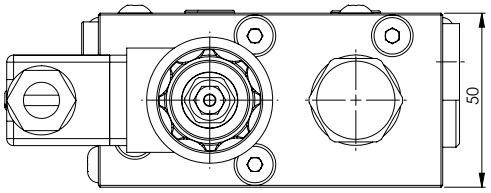
Dimensions in mm

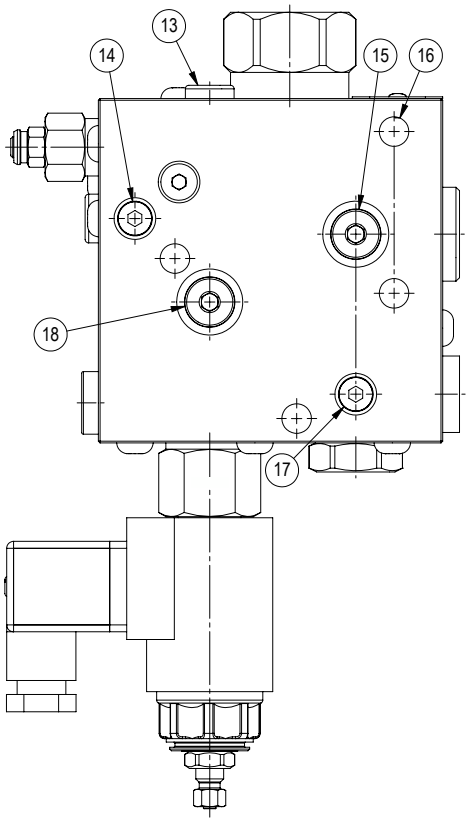


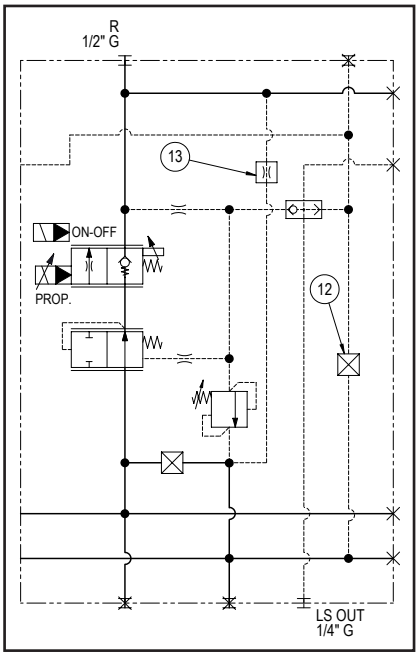


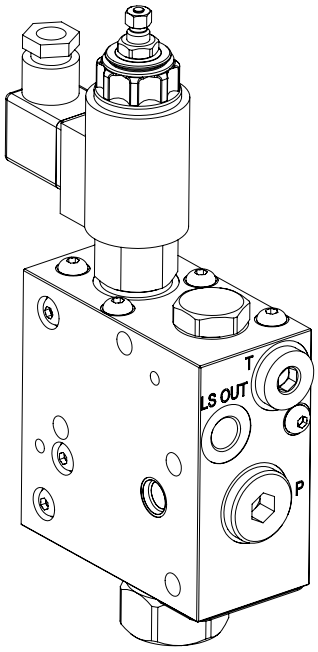


Technical data		
Regulated max. flow	6 bar spring 50 lpm 12 bar spring 80 lpm	
LS OUT port		1/4” G
R port		1/2” G
Man. material	Aluminium	Steel
Max. pressure	250 bar	350 bar
Weight	2,4 Kg	4,3 Kg









Ordering code

H	9	7	1	3	3	_	_	_	_	-	_	_	-	_	_	-	_	_	_

Hydrover product

Product series
97 series - Multifunctional integrated circuits

Product ID

Manifold material
Aluminium =A
Steel =S

Compensator spring
6 bar (standard) = 6
12 bar = 1

Section type
Stand alone = U
Inlet = E
Intermediate = I
Closing = C

Plugs configuration
LS IN and R decompression (E and U sections) = 1
LS IN without R decompression (E and U sections) = 2
R decompression = 3
Without R decompression = 4

Solenoid valve coil connection
1 = DIN 43650
ISO 4400

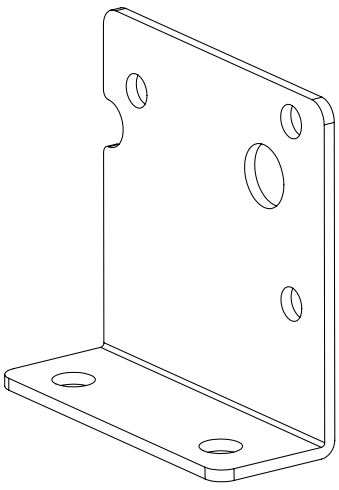
Solenoid valve coil voltage
OB = 12V DC
OC = 24V DC

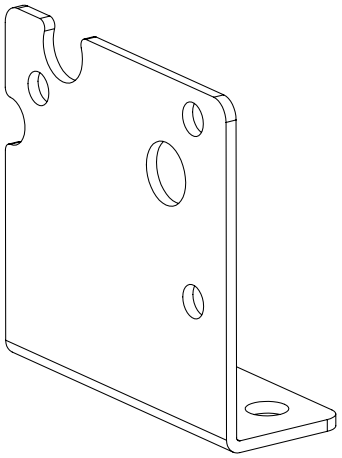
Solenoid valve coil type
OF = On-off
PR = Proporzionale

Relief valve adjustment pressure range *
2 = 100-250 bar
3 = 250-600 bar

Relief valve adjustment type
S = Screw

HKS01S - Brackets kit in zinc plated steel
HKS01X - Brackets kit in inox 316L





N°	Descrizione	Q.ty
1	TPCLG-14G (LS OUT) - On inlet and intermediate sections	1
2	Relief valve with filter for the R port	1
3	TBEIB 6x8 on the inlet section (LS)	1
4	On-off/proportional flow restrictor with manual stroke limitation	1
5	Connector DIN 43650 ISO 4400	1
6	On-off or proportional coil class H DIN 43650 ISO 4400	1
7	Anti shock valve 120-350 bar on the inlet section, plug R932003194 on the other sections	1
8	TBEIB 6x8 on inlet and stand alone sections (T)	1
9	TPCLOR7/16”UNF on inlet and stand alone sections (P)	1
10	Pressure compensator	1
11	TPCLG-14G (LS IN) - To be removed to connect an LS IN on inlet and stand alone sections.	1
12	TPCN 6 - In the LS IN port - On the intermediate and closing section. To add on inlet and stand alone sections if a LS IN is connected.	1
13	Under 1/8”G plug - TPCN 6 without R decompression (plugs configuration 2 and 4) DIAFRM6D0.4 with R decompression (1 and 2 plug configuration)	1
14	TBEIB 6x8 on closing and stand alone sections, OR 108 Ø i. 8,73 c. s. 1,78 on the other sections (LS)	1
15	TPCLOR7/16”UNF on closing and stand alone sections, OR 3056 Ø i. 13,95 c. s. 2,62 on the other sections (P)	1
16	Ø 8,5 through hole for tie rod	4
17	TBEIB 6x8 on closing and stand alone sections, OR 108 Ø i. 8,73 c. s. 1,78 on the other sections (T)	1
18	TPCLOR7/16”UNF on closing and stand alon sections, OR 3056 Ø i. 13,95 c.s. 2,62 on the other sections (side R, used for other types of sections like for managing single acting cylinders).	1

Dimensions in mm