مؤسسة القمم الصناعية
Al-Qemam Industrial Est.

MOBILE VALVE



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Controller of Hoisting Motor 124
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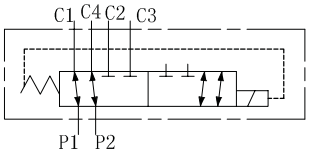
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MOP.06.6 STACKABLE CIRCUIT SELECTOR VALVES

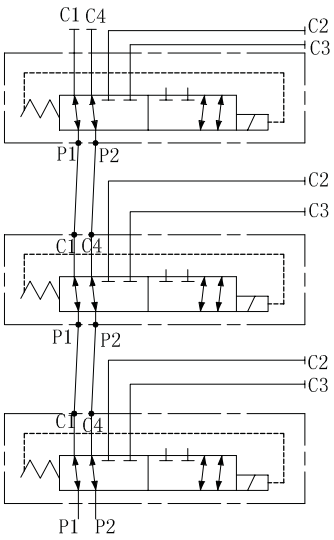


The stackable circuit selector valves, type MOP.06.6,allows one single drive of 6 users with 5 elements connected in series. As they are moved from high performances solenoids they don't need the external drainage .
This valves can manage high hydraulic powers with a minimal pressure drop.

SINGLE ELEMENT



MULTSTATION CONNECTION



Max. pressure	250 bar
Max. flow	50 l/min
Overlap	negative
Hydraulic fluids	Mineral oils DIN 51524
Fluid viscosity	10 ÷ 500 mm^2/s
Fluid temperature	–25℃ ÷75 ℃
Ambient temperature	–25℃ ÷60 ℃
Max. Contamination level	class 10 in accordance
	NAS with 1638 with filter β 25≥75

MOP	06	6	W	I / *	*	**	1

Stackble circuit selector valve

Size NG06

No. of way(single element)

Threaded connectors 3/8” BSP

Internal drainage

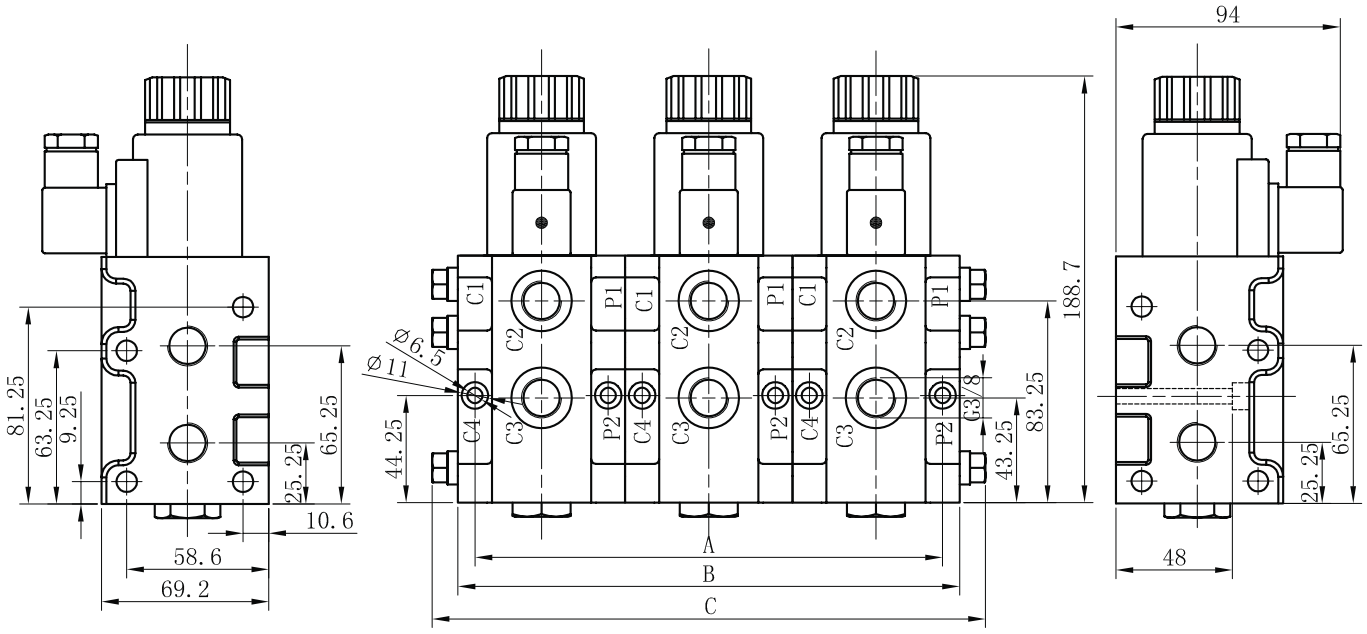
No. of elements:1/2/3/4/5

Voltage L=12V M=24V W=without DC coils

Variants
00=No variant
(connectors as in the drawing)
V1=Viton R1=recitifier
E1=Emergency button

Series

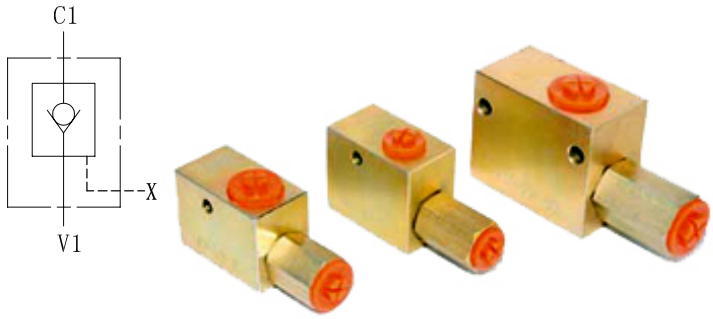
Installation Dimensions



No . of elements	No . of way	A	B	C
		Lengths (mm)		
1	6	54	69	—
2	8	123	138	160
3	10	192	207	226
4	12	261	276	296
5	14	330	345	365

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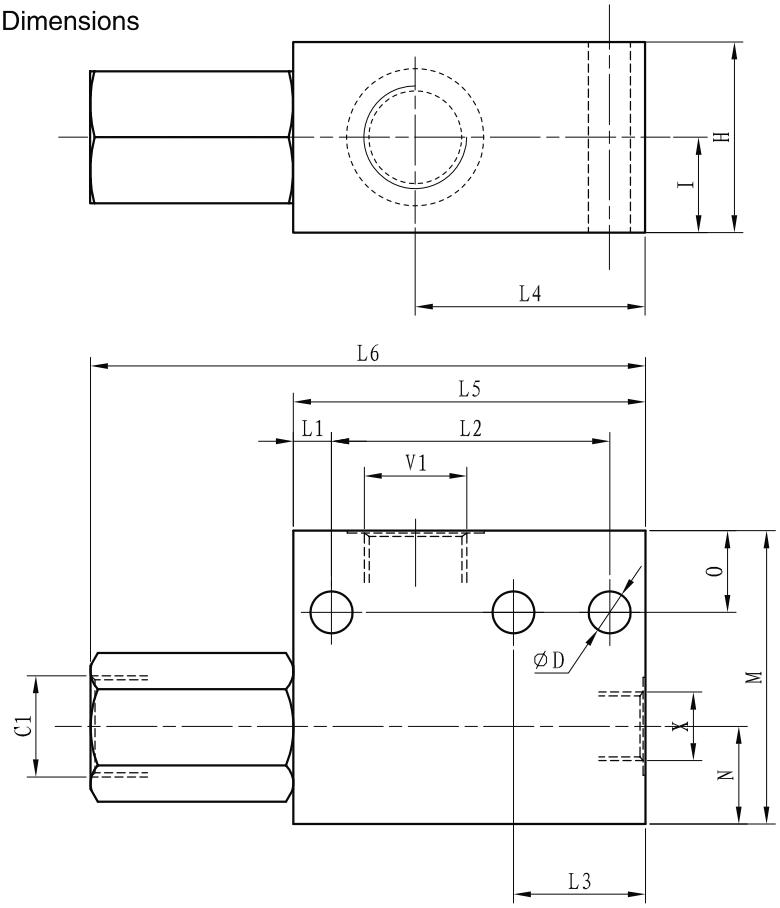
HKV PILOT OPERATED CHECK VALVE



Flow is allowed to pass from V1 to C1 when pressure at V1 rises above the spring bias pressure and the poppet is pushed from its seat. The valve is normally closed(checked) from C1 to V1; when sufficient pilot pressure is present at X the pilot piston acts to push the poppet from its seat and flow is allowed from C1 to V1. Precision machining and hardening processes allow virtually leak-free performance in the checked condition.

Model Code	Max.operating pressure (MPa)	flow rate (L/min)
HKV–1/4–15	31.5	15
HKV–3/8–35	31.5	35
HKV–1/2–50	31.5	50

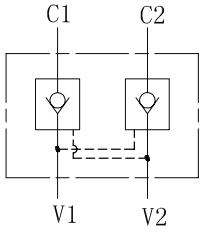
HKV Installation Dimensions



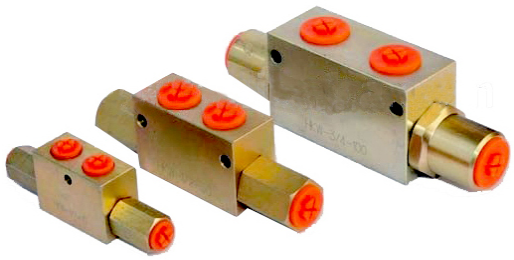
Model Code	L1	L2	L3	L4	L5	L6	O	N	M	I	H	ϕ D	V1 C1	X
HKV–1/4–15	–	–	21	36	54	87	8	15	45	15	30	6.5	G1/4"	G1/4"
HKV–3/8–35	–	–	22	37	54	82	9	13	40	15	30	6.3	G3/8"	G1/4"
HKV–1/2–50	7.75	56.5	–	47	72	113.5	17	20	60	19.5	39	8.5	G1/2"	G1/4"

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HKW DOUBLE–DIRECTION HYDRAULIC LOCK

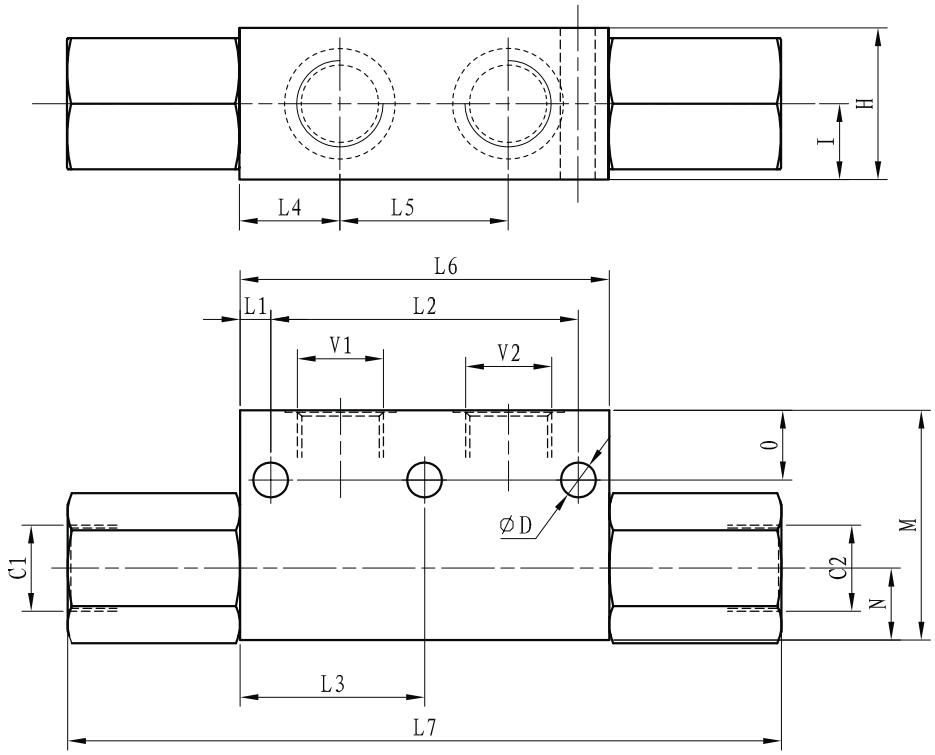


Flow is allowed to pass in one direction (V1 to C1 or V2 to C2), then the valve remains closed (checked) in both reverse directions (C1 to V1 or C2 to V2) in order to hold and lock in position the cylinder or other actuators; reverse flow is possible only when sufficient pilot pressure is applied at V2 or V1,which act as cross connected pilot ports, and the pilot piston lifts the poppet from its seat overcoming cylinder port pressure.



Model Code	Max.operating pressure((MPa)	Flow rate (L/min)
HKW–1/4–15	31.5	15
HKW–3/8–35	31.5	35
HKW–1/2–50	31.5	50
HKW 3/4–100	31.5	100

HKW Installation Dimensions



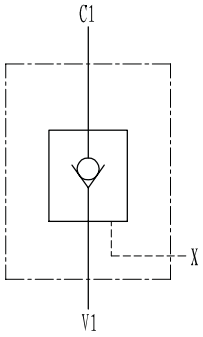
Model Code	L1	L2	L3	L4	L5	L6	L7	O	N	M	I	H	ϕ D	V1 C1 V2 C2
HKW–1/4–15	–	–	32.2	17.5	29	63	130	8	14.5	43	14.5	29	6.4	G1/4"
HKW–3/8–35	–	–	32	17	30	64	120	9	13	40	15	30	6	G3/8"
HKW–1/2–50	7.5	75	–	24.5	41	90	174	17	17.5	56	18.5	37	8	G1/2"
HKW 3/4–100	8	104	–	30	60	120	213	16	25	70	25	50	9	G3/4"

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HPLK PILOT OPERATED CHECK VALVES

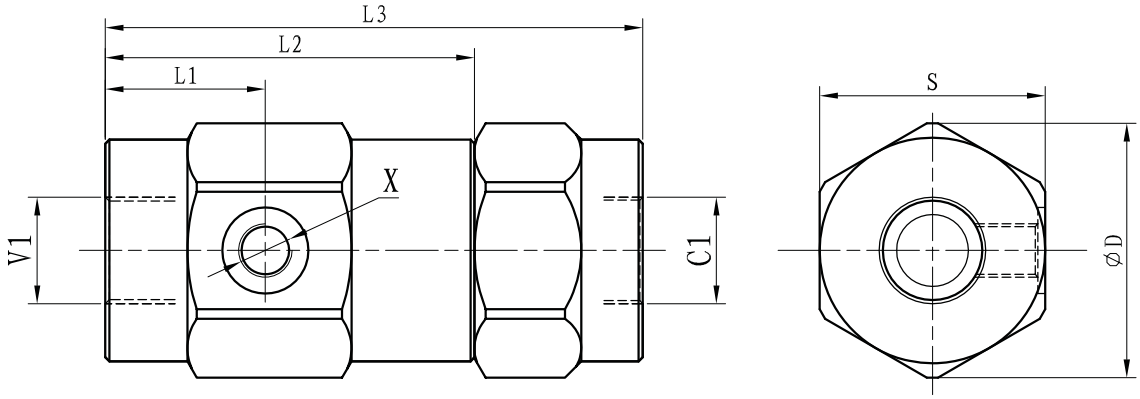


Flow is allowed to pass from V1 to C1 when pressure at V1 rises above the spring bias pressure and the poppet is pushed from its seat. The valve is normally closed (checked) from C1 to V1; when sufficient pilot pressure is present at X port, the pilot piston acts to push the poppet from its seat and flow is allowed from C1 to V1. Precision machining and hardening processes allow virtually leak-free performance in the checked condition.



Model Code	Max.operating pressure(MPa)	Flow rate (L/min)
HPLK–3/8–35	31.5	35
HPLK–1/2–50	31.5	50
HPLK–3/4–100	31.5	100

HPLK Installation Dimensions

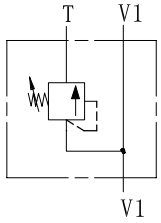


Model Code	L1	L2	L3	V1 C1	X	S	ϕ D
HPLK–3/8–35	31.5	82	106	G3/8"	G1/4"	41	45
HPLK–1/2–50	36	85	120	G1/2"	G1/4"	42	47
HPLK–3/4–100	39	90	131	G3/4"	G1/4"	55	62

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HDR DIRECT OPERATED PRESSURE RELIEF VALVES

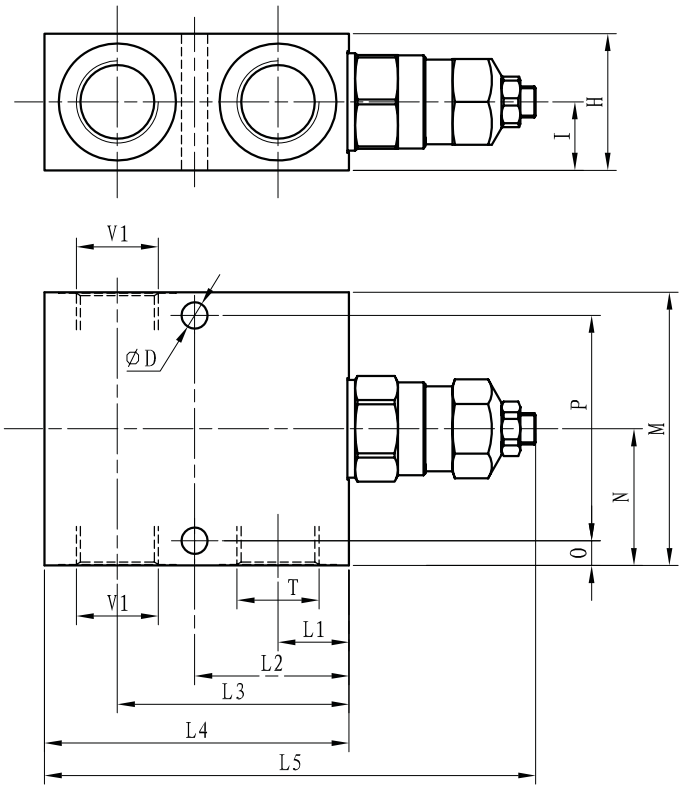
HDR Series relief valves, with remote control port, are direct operated poppet type used to limit pressure in a hydraulic system. It has characteristics of compact structure, high performance, reliable work, low noise, and long service life. These series are widely applied to many lower flow systems.



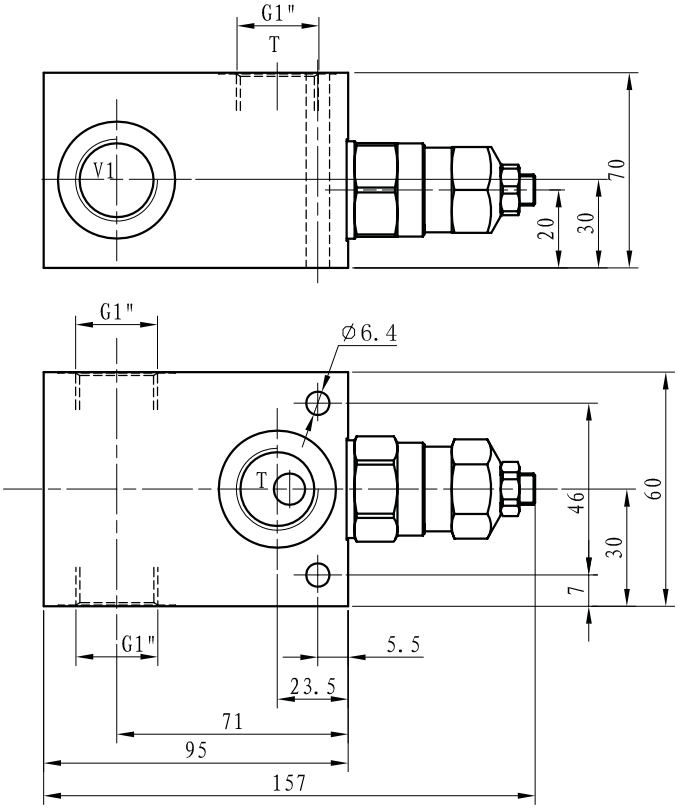


Model Code	Max.operating pressure(MPa)	Flow rate (L/min)
HDR–1/4–25	20(Aluminum)31.5(steel)	25
HDR–3/8–50	20(Aluminum)31.5(steel)	50
HDR–1/2–80	20(Aluminum)31.5(steel)	80
HDR–3/4–120	20(Aluminum)31.5(steel)	120
HDR–1–220	20(Aluminum)31.5(steel)	220

HDR Installation Dimensions



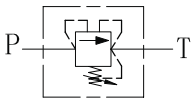
HDR–1–220 Installation Dimensions



Model Code	L1	L2	L3	L4	L5	O	P	N	M	I	H	ϕD	V1 T
HDR–1/4–25	14	30	46	60	90	6	48	30	60	15	30	6.8	G1/4"
HDR–3/8–50	18	35	52	70	115	6.25	48	32	60.5	17.75	35.5	6.6	G3/8"
HDR–1/2–80	18	39.5	58	78	127	6	58	35	70	17.5	35	6.8	G1/2"
HDR–3/4–120	20	45	70	90	149	8	54	40	70	20	40	8.6	G3/4'

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VMP/B/L PRESSURE RELIEF VALVES WITH PRESSURE COMPENSATION

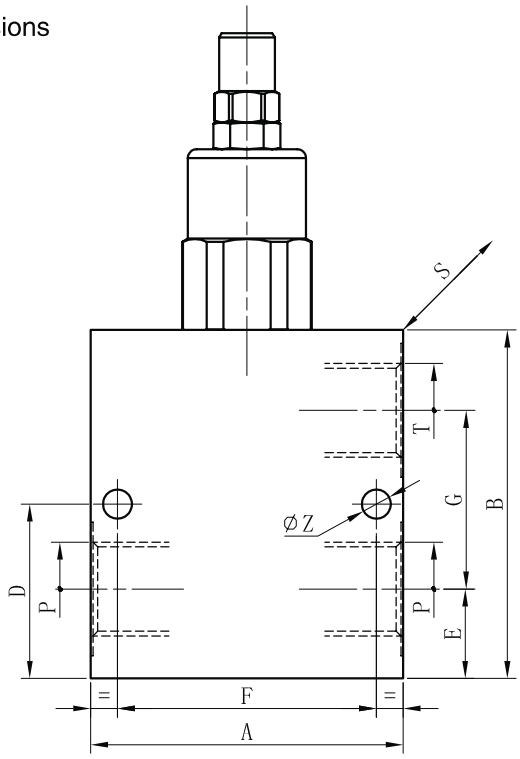


VMP/B/L relief valves are direct operated poppet type with pressure compensation,they can supply overload protection for hydraulic systems.



Model Code	Max.operating pressure(MPa)	Flow rate (L/min)
VMP/B/L 5–38	21(Aluminum)35(steel)	35
VMP/B/L 5–12	21(Aluminum)35(steel)	35
VMP/B/L 10–12	21(Aluminum)35(steel)	60
VMP/B/L 10–34	21(Aluminum)35(steel)	60
VMP/B/L 20–34	21(Aluminum)35(steel)	100
VMP/B/L 20–100	21(Aluminum)35(steel)	100

VMP/B/L Installation Dimensions

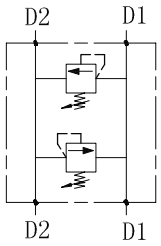


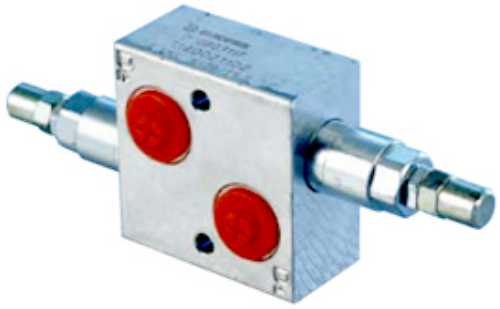
Model Code	P T	A	B	S	D	E	F	G	Z
VMP/B/L 5–38	G3/8"	60	70	35	35	18	48	34	6.5
VMP/B/L 5–12	G1/2"	60	70	35	35	18	48	34	6.5
VMP/B/L 10–12	G1/2"	70	78	35	39	20	58	40	6.5
VMP/B/L 10–34	G3/4"	70	90	40	45	20	54	50	8.5
VMP/B/L 20–34	G3/4"	70	100	50	50	22	54	57	8.5
VMP/B/L 20–100	G1"	85	120	60	63	30	65	65	8.5

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VAII DOUBLE LINE PRESSURE RELIEF VALVES DIRECT ACTING

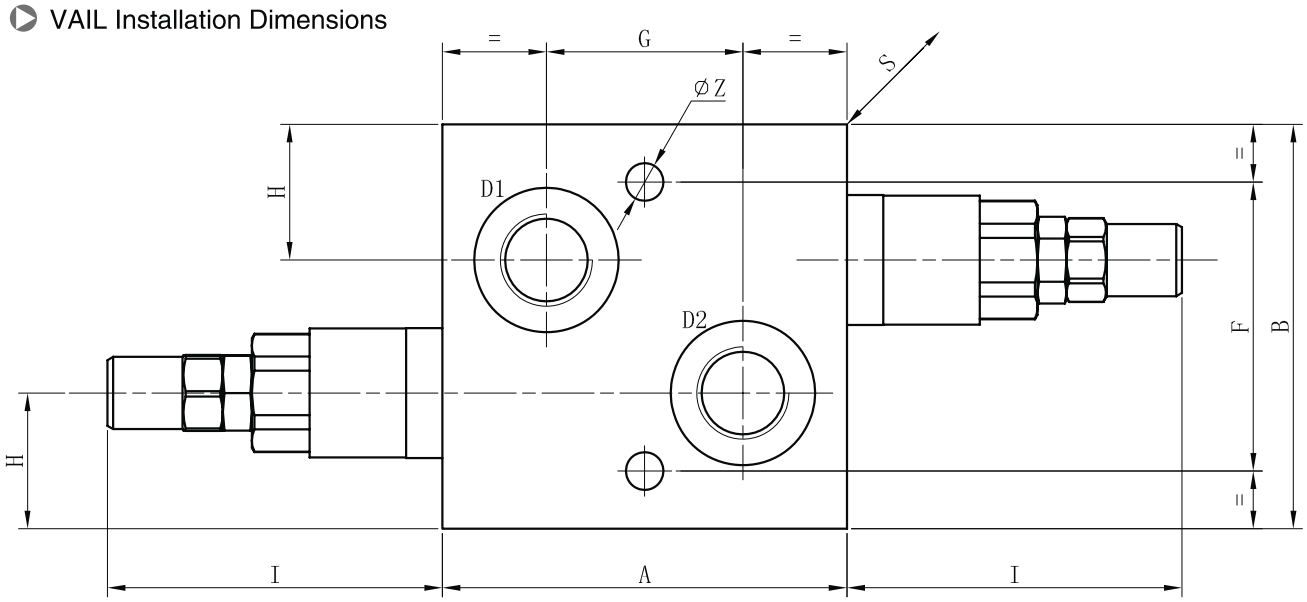
VAIL double pressure relief valves are direct operated poppet type,it can supply overload protection for hydraulic systems.





Model Code	Max.operating pressure(MPa)	Flow rate (L/min)
VAIL 5–38	20(Aluminum)31.5(steel)	25
VAIL 5–12	20(Aluminum)31.5(steel)	35
VAIL 10–12	20(Aluminum)31.5(steel)	50
VAIL 10–34	20(Aluminum)31.5(steel)	70
VAIL 20–34	20(Aluminum)31.5(steel)	100
VAIL 20–100	20(Aluminum)31.5(steel)	120

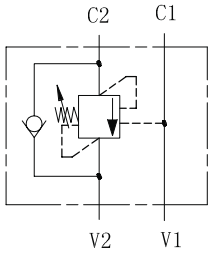
VAIL Installation Dimensions



Model Code	D1 D2	A	B	S	F	G	H	I	Z
VAIL 5–38	G3/8"	70	70	35	50	34	23.5	60	6.5
VAIL 5–12	G1/2"	75	70	35	50	39	23.5	60	6.5
VAIL 10–12	G1/2"	90	82	40	65	50	25	66	8.5
VAIL 10–34	G3/4"	90	82	40	65	50	25	66	8.5
VAIL 20–34	G3/4"	100	95	50	75	56	30.5	72	8.5
VAIL 20–100	G1"	120	95	50	75	56	30.5	72	8.5

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HOV SERIES COUNTERBALANCE VALVES(FOR OPEN CENTRE)

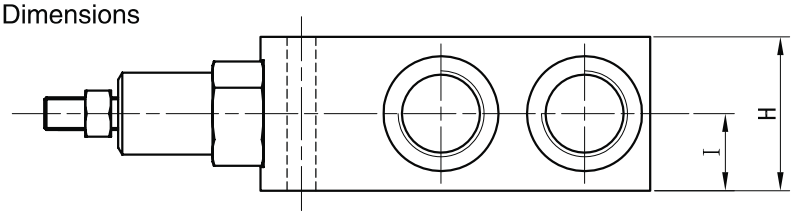


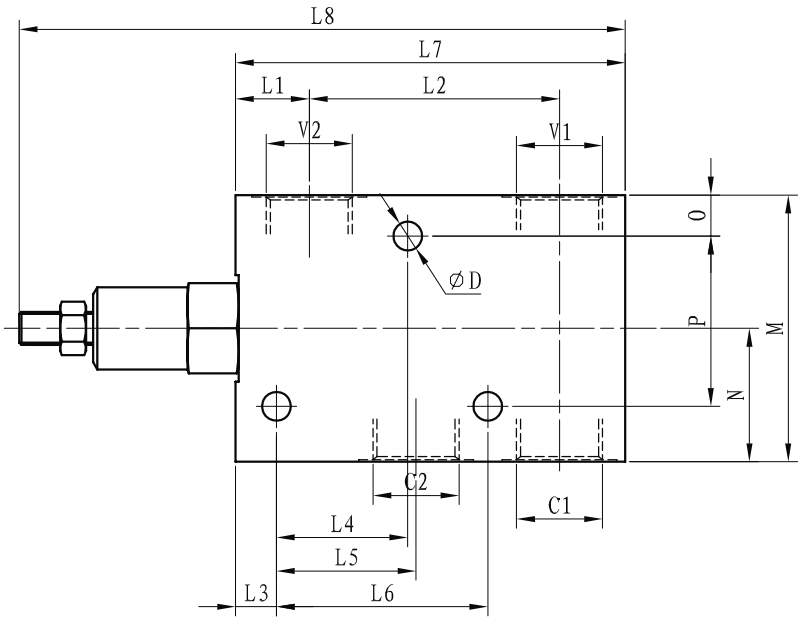
When pressure at V2 rises above the spring bias pressure, the check seat is pushed away from the piston and flow is allowed from V2 to C2. When load pressure at C2 rises above the pressure setting, the direct operated, differential area, relief function is activated and flow is relieved from C2 to V2. With pilot pressure at V1-C1, the pressure setting is reduced in proportion to the stated ratio of the valve, until opening and allowing flow from C2 to V2. The spring chamber is drained to V2,and any back-pressure at V2 is additive to the pressure setting in all functions.



Model Code	Max.operating pressure(MPa)	Flow rate (L/min)
H0V–3/8–50	20(Aluminum)31.5(steel)	50
HOV–1/2–80	20(Aluminum)31.5(steel)	80
HOV–3/4–120	20(Aluminum)31.5(steel)	120

HOV Installation Dimensions



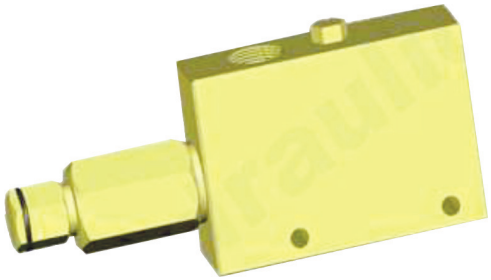


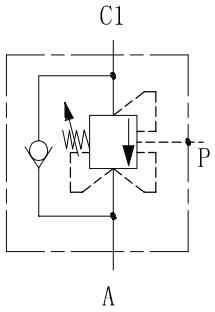
Model Code	L1	L2	L3	L4	L5	L6	L7	L8	O	P	N	M	I	H	ϕD	V1 C1 V2 C2
HOV–3/8–50	18	61	10	32	34	48	95	145.5	5.5	41	28	56	15	30	7	G3/8"
HOV–1/2–80	18	61	10	32	34	51.5	95	147.5	10	41.5	32.5	65	18.75	32.5	7	G1/2"
HOV–3/4–120	30	84	10	–	30.5	70	130	192.5	10	70	45	90	22.5	45	10.5	G3/4"

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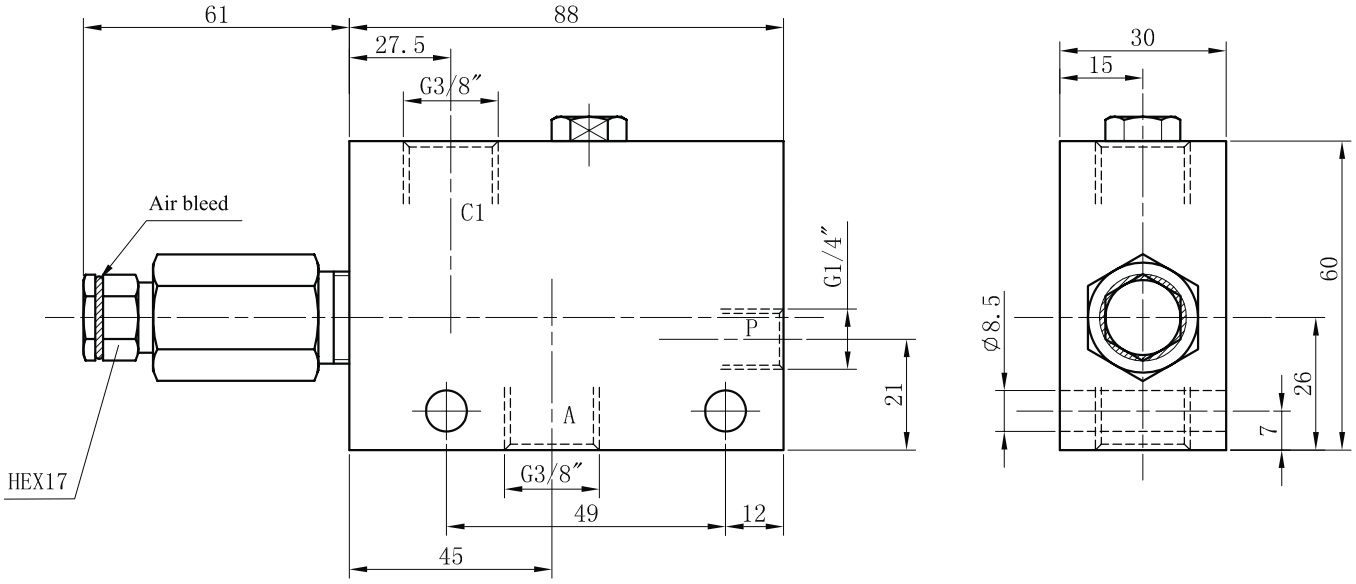
CCHOV SERIES SINGLE COUNTERBALANCE VALVE FOR CLOSED CENTRE

Block valves with compact steel body. Free flow A→C1 through check valves, perfect seal C1→A by check valves and adjustable counterbalanced piloted valves. Recommended for closed centre controls. The pressure of the relief valve is not influenced by the pressure on ports A.





Installation Dimensions



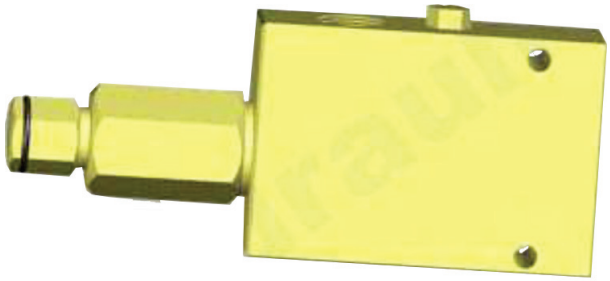
PORT SIZE	
A–C1	P
G3/8"	G1/4"

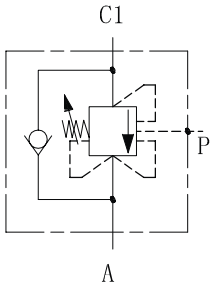
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
CCHOV–3/8	4.84:1	100–350	250	10–45	500

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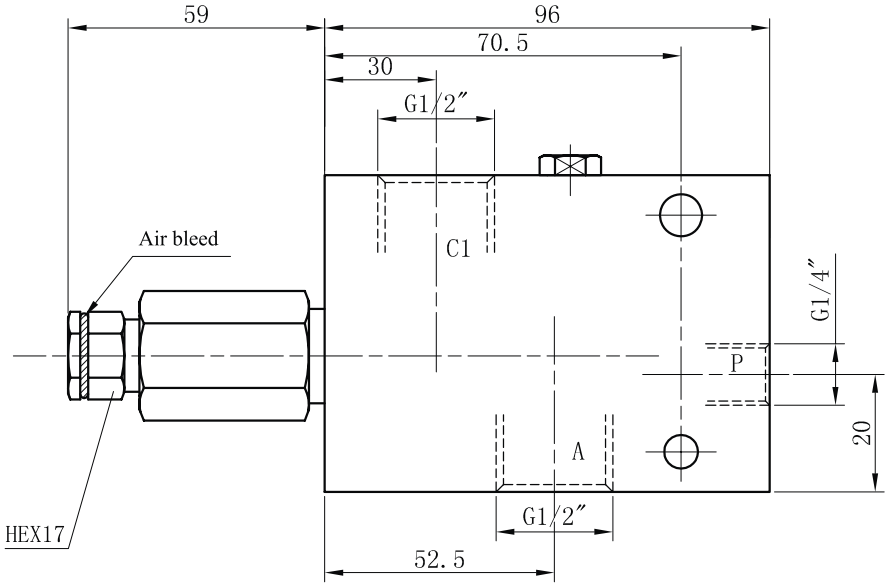
CCHOV SERIES SINGLE COUNTERBALANCE VALVE FOR CLOSED CENTRE

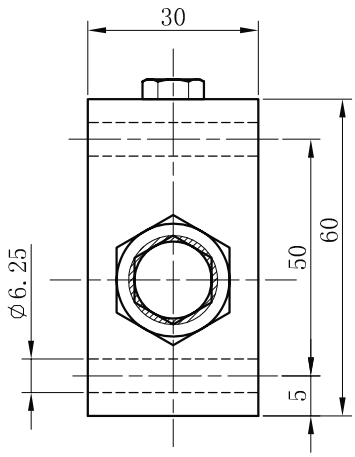
Block valves with compact steel body. Free flow A→C1 through check valves, perfect seal C1→A by check valves and adjustable counterbalanced piloted valves. Recommended for closed centre controls. The pressure of the relief valve is not influenced by the pressure on ports A.





Installation Dimensions





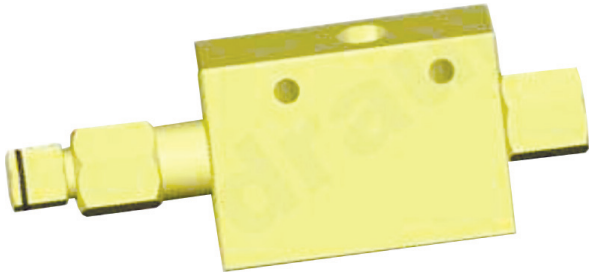
PORT SIZE	
A–C1	P
G1/2"	G1/4"

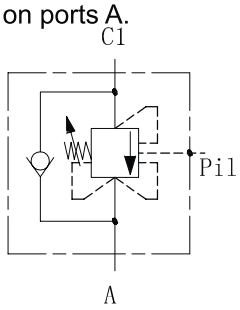
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
CCHOV–1/2	4.84:1	100–350	250	10–60	500

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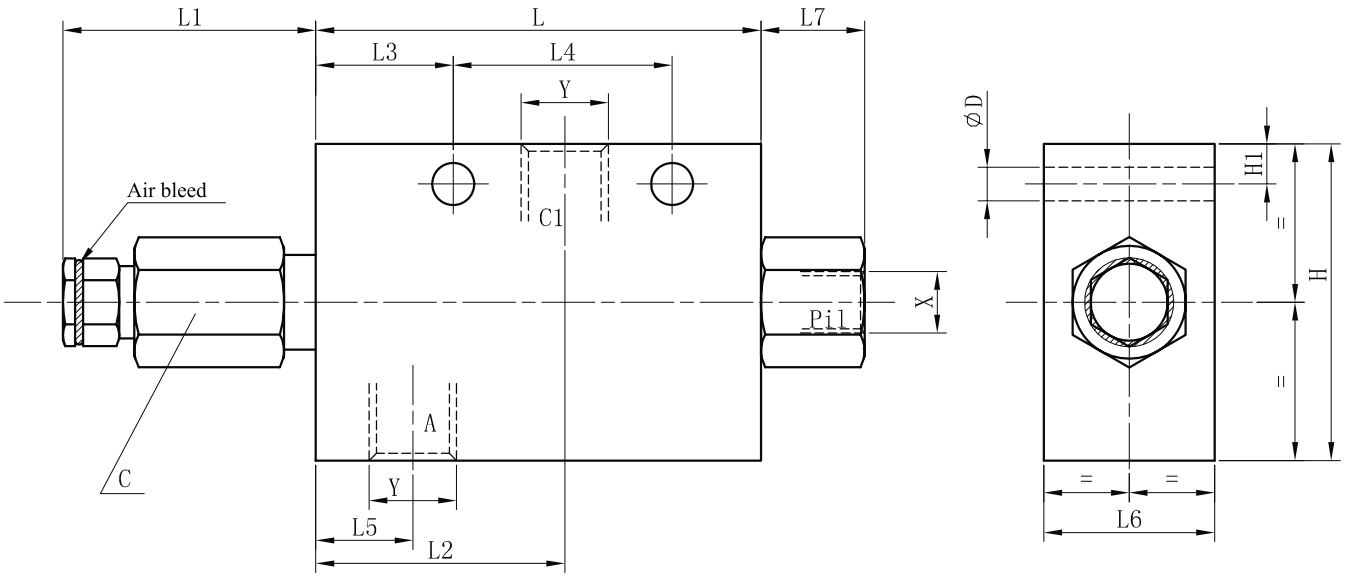
CCHOV SERIES SINGLE COUNTERBALANCE VALVE FOR CLOSED CENTRE

Block valves with compact steel body. Free flow A→C1 through check valves, perfect seal C1→A by check valves and adjustable counterbalanced piloted valves. Recommended for closed centre controls. The pressure of the relief valve is not influenced by the pressure on ports A.





Installation Dimensions



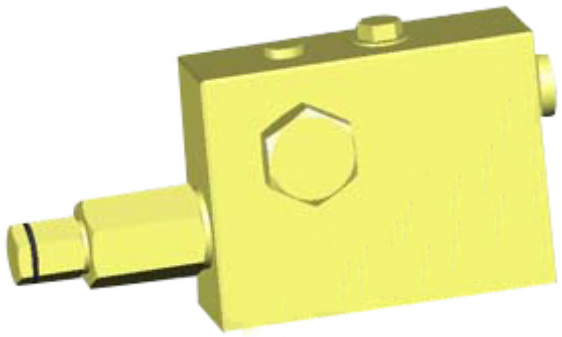
L	L1	L2	L3	L4	L5	L6	H	H1	L7	C	D	X	Y
91	52	51	25.6	47.6	19	35	65	11	21	HEX17	ϕ8.5	G1/4"	G1/2"
91	52	51	25.6	47.6	19	30	55	7	21	HEX17	ϕ8.5	G3/8"	G3/8"
91	52	51	25.6	47.6	19	30	55	7	21	HEX17	ϕ8.5	G1/4"	G1/4"

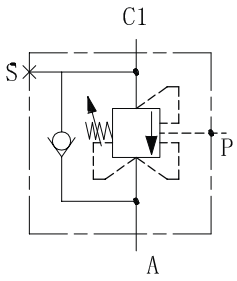
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)	Y
CCHOV–1/4–27	2.7:1	80–350	300	1—20	500	G1/4"
CCHOV–1/4–43	4.3:1	100–350	350	1—20	500	G1/4"
CCHOV–1/4–88	8.8:1	100–350	350	1—20	500	G1/4"
CCHOV–3/8–27	2.7:1	80–350	300	10—45	500	G3/8"
CCHOV–3/8–43	4.3:1	100–350	350	10—45	500	G3/8"
CCHOV–3/8–88	8.8:1	100–350	350	10—45	500	G3/8"
CCHOV–1/2–27	2.7:1	80–350	300	30—60	500	G1/2"
CCHOV–1/2–43	4.3:1	100–350	350	30—60	500	G1/2"
CCHOV–1/2–88	8.8:1	100–350	350	30—60	500	G1/2"

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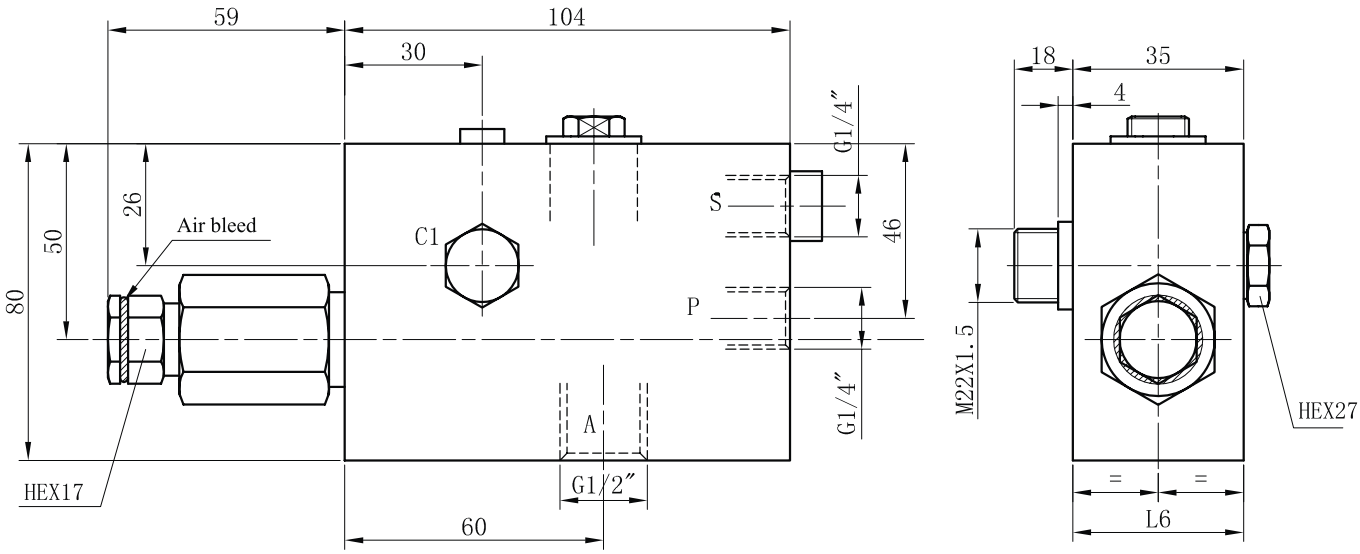
CCV SERIES SINGLE COUNTERBALANCE VALVE FOR CLOSED CENTRE

Block valves with compact steel body. Free flow A→C1 through check valves, perfect seal C1→A by check valves and adjustable counterbalanced piloted valves. Recommended for closed centre controls. The pressure of the relief valve is not influenced by the pressure on ports A.





Installation Dimensions

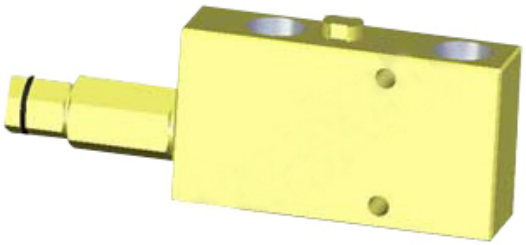


PORT SIZE	
A–C1	S–P
G1/2"–M22X1.5	G1/4"

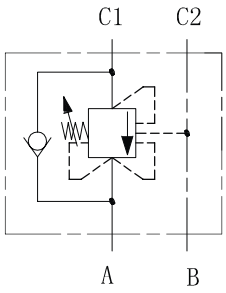
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
CCV–1/2–11	11:1	100–400	350	5–60	500

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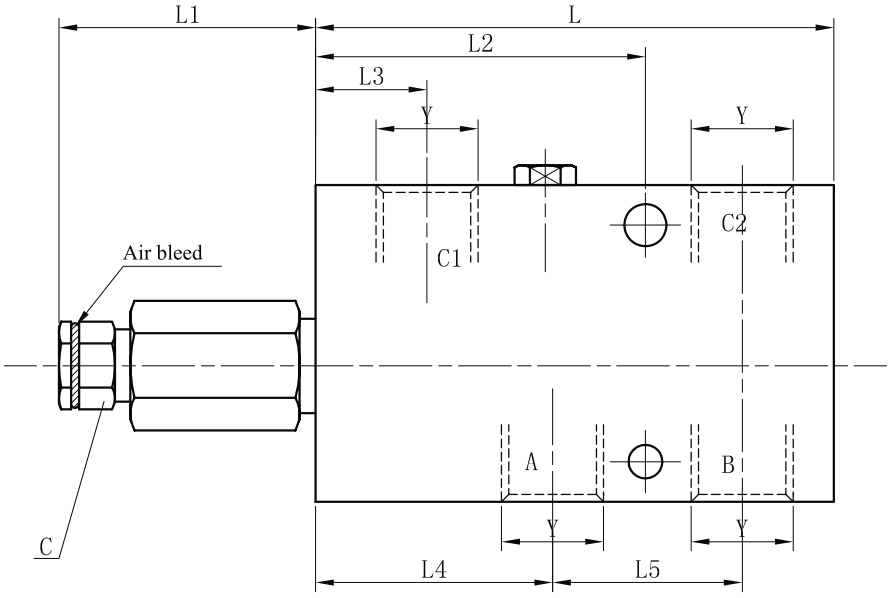
CCPV SERIES SINGLE COUNTERBALANCE VALVE FOR CLOSED CENTRE WITH INTERNAL PILOTING

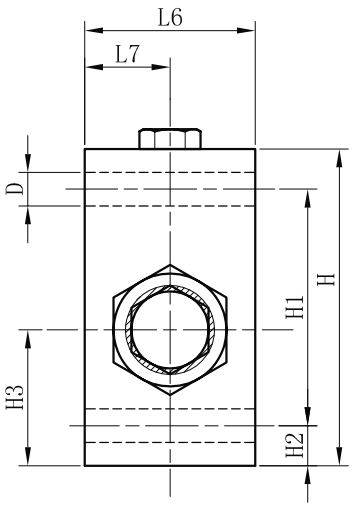


Block valves with compact steel body. Free flow A→C1 through check valves, perfect seal C1→A by check valves and adjustable counterbalanced piloted valves.Recommended for closed centre controls.The pressure of the relief valve is not influenced by the pressure on ports A.



Installation Dimensions





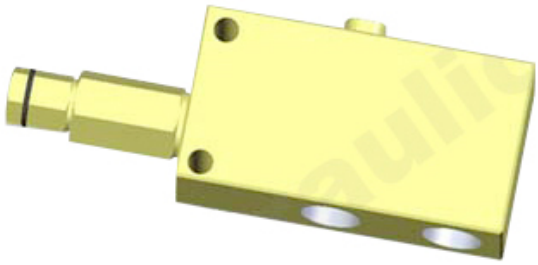
L	L1	L2	L3	L4	L5	L6	L7	H	H1	H2	H3	C	D	Y
110	59	71	29.5	52.5	40.5	30	15	60	44	8	22	HEX17	ϕ 8.25	G1/2"
107	61	67.5	27.5	49.5	40.5	30	15	60	44	8	26	HEX17	ϕ 8.5	G3/8"

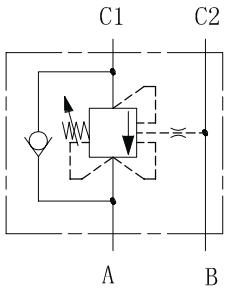
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)	Y
CCPV–3/8–48	4.84:1	100–350	250	5–45	500	G3/8"
CCPV–1/2–48	4.84:1	100–350	280	10–60	500	G1/2"

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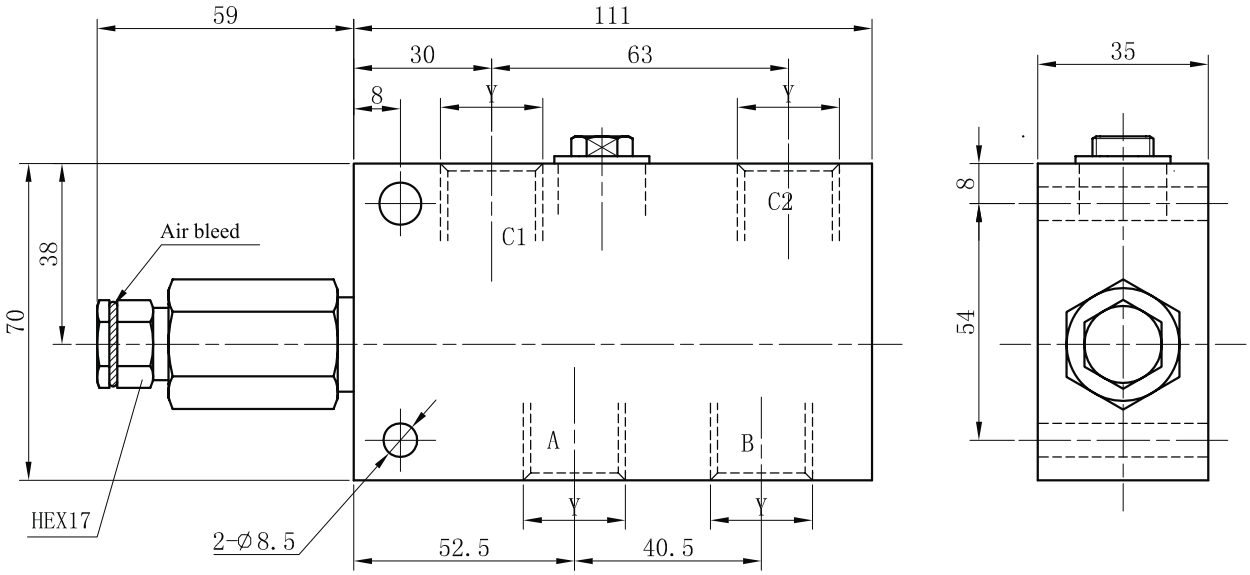
CCRV SERIES SINGLE COUNTERBALANCE VALVE FOR CLOSED CENTRE

Block valves with compact steel body. Free flow A→C1 through check valves, perfect seal C1→A by check valves and adjustable counterbalanced piloted valves. Recommended for closed centre controls. The pressure of the relief valve is not influenced by the pressure on ports A.





Installation Dimensions



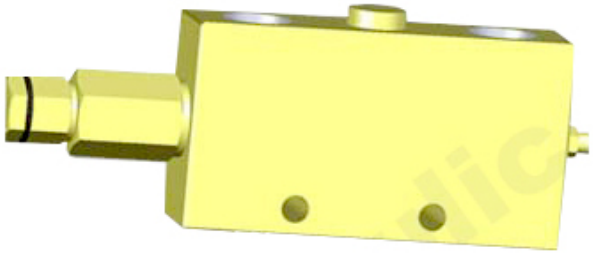
MODEL	PORT SIZE
CCRV-1/2	G1/2"
CCRV-22	M22X1.5

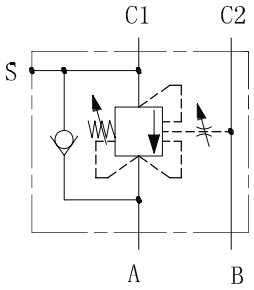
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
CCRV-1/2	3.24:1	100-350	350	5-60	500
CCRV-22	3.24:1	100-350	350	5-60	500

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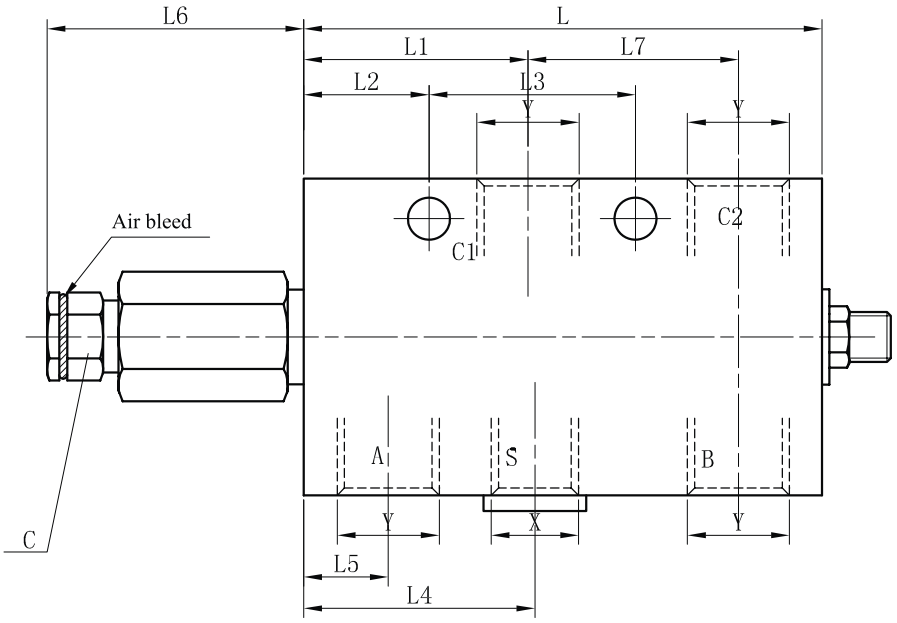
CCARV SERIES SINGLE COUNTERBALANCE VALVE FOR CLOSED CENTRE

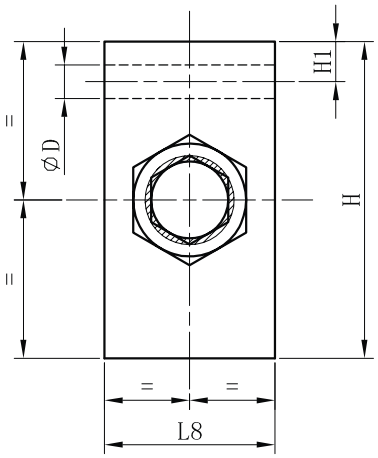
Block valves with compact steel body. Free flow A→C1 through check valves, perfect seal C1→A by check valves and adjustable counterbalanced piloted valves. Recommended for closed centre controls. The pressure of the relief valve is not influenced by the pressure on ports A.





Installation Dimensions





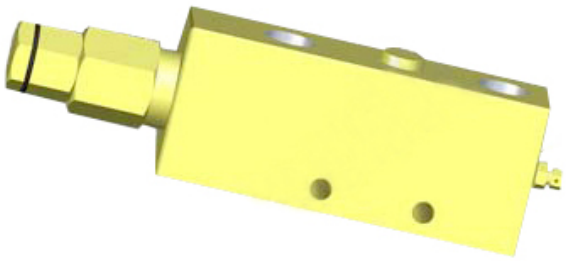
L	L1	L2	L3	L4	L5	L6	L7	L8	H	H1	C	D	X	Y
109	52	32	40	54	19.5	52	39	35	65	8	HEX17	ϕ8.5	G1/4"	G1/2"
109	52	32	40		19.5	52	39	30	55	8	HEX17	ϕ8.5		G3/8"
109	52	32	40		19.5	52	39	30	55	8	HEX17	ϕ8.5		G1/4"

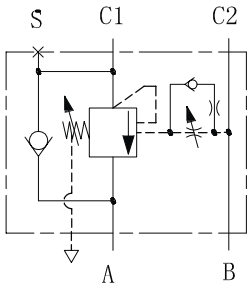
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)	Y
CCARV–1/4–27	2.7:1	80–350	300	1—20	500	G1/4"
CCARV–1/4–43	4.3:1	100–350	350	1—20	500	G1/4"
CCARV–1/4–88	8.8:1	100–350	350	1—20	500	G1/4"
CCARV–3/8–27	2.7:1	80–350	300	10—45	500	G3/8"
CCARV–3/8–43	4.3:1	100–350	350	10—45	500	G3/8"
CCARV–3/8–88	8.8:1	100–350	350	10—45	500	G3/8"
CCARV–1/2–27	2.7:1	80–350	300	30—60	500	G1/2"
CCARV–1/2–43	4.3:1	100–350	350	30—60	500	G1/2"
CCARV–1/2–88	8.8:1	100–350	350	30—60	500	G1/2"

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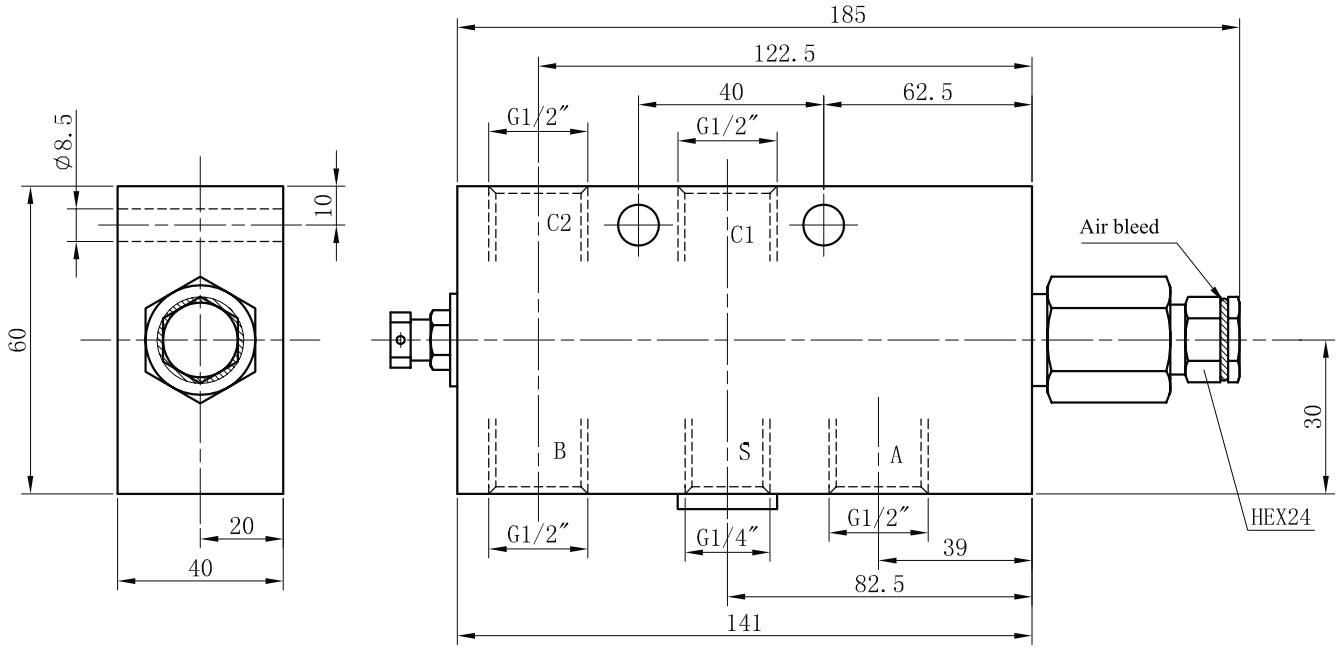
CCBV SERIES SINGLE COUNTERBALANCE VALVE FOR CLOSED CENTRE

Block valves with compact steel body. Free flow A→C1 through check valves, perfect seal C1→A by check valves and adjustable counterbalanced piloted valves. Recommended for closed centre controls. The pressure of the relief valve is not influenced by the pressure on ports A.





Installation Dimensions

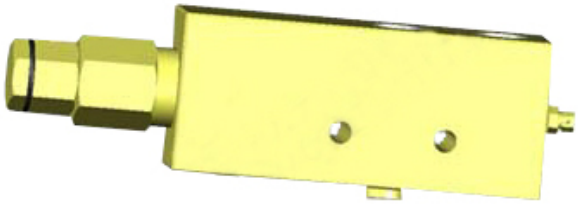


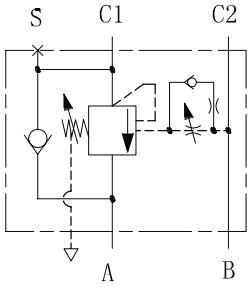
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
CCBV–1/2–4	4:1	100–350	350	50–120	500
CCBV–1/2–8	8:1	150–350	350	50–120	500

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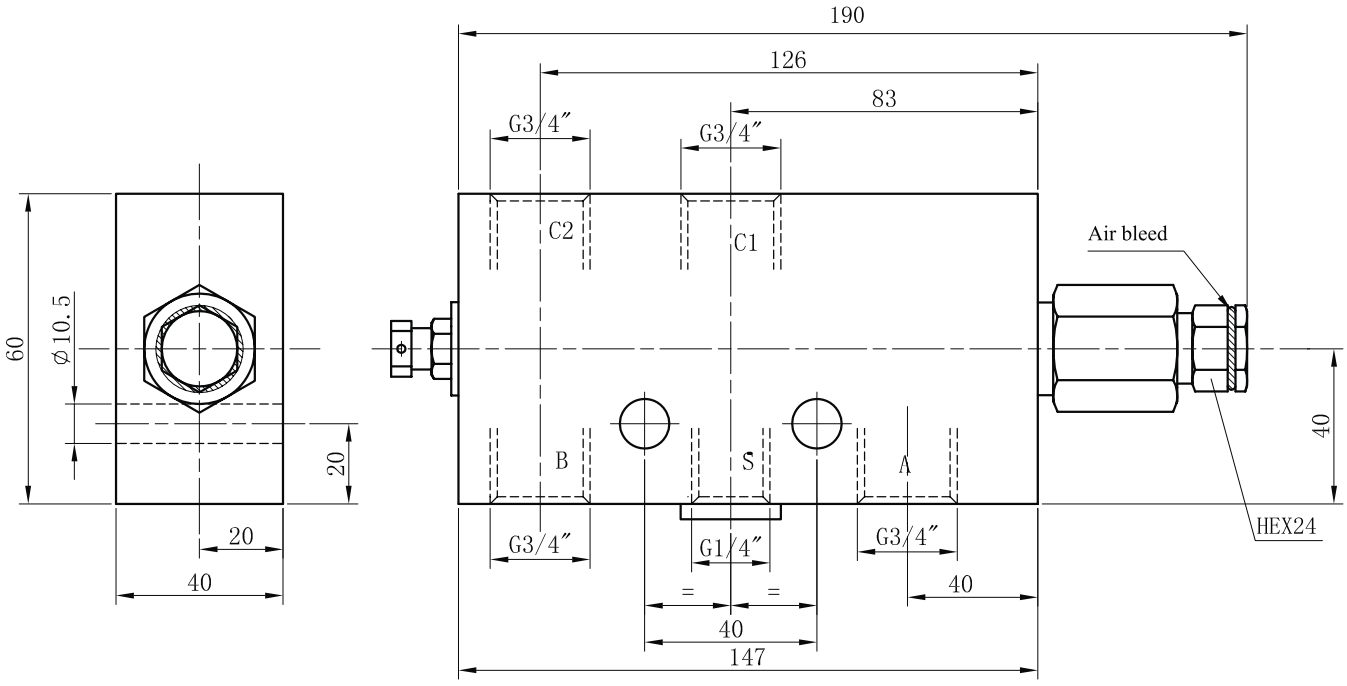
CCBV SERIES SINGLE COUNTERBALANCE VALVE FOR CLOSED CENTRE

Block valve with compact steel body. Free flow A towards C1, perfect seal C1 towards A through adjustable check valves and operated pilot valves.Recommended for closed centre controls.





Installation Dimensions

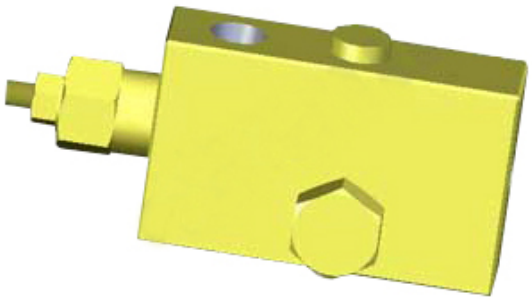


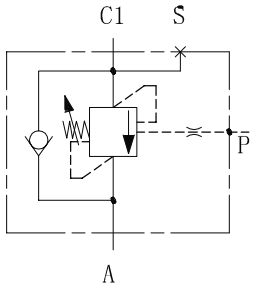
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
CCBV–3/4–4	4:1	100–350	350	50–150	500
CCBV–3/4–8	8:1	150–350	350	50–150	500

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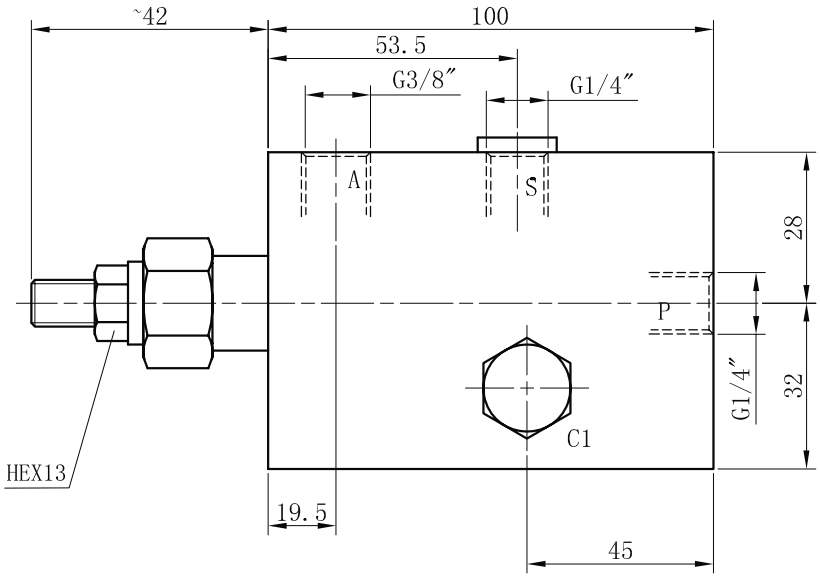
OCPV SERIES FLANGEABLE SINGLE COUNTERBALANCE VALVE FOR OPEN CENTRE

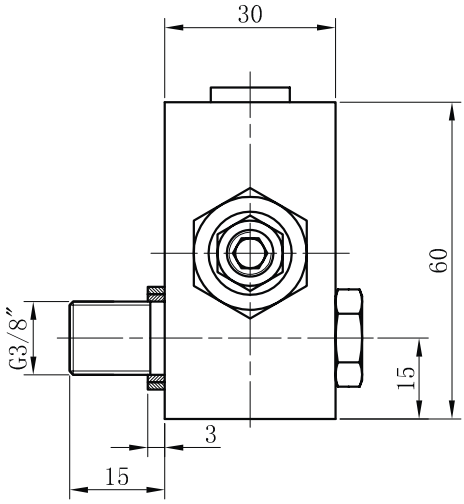
Block valves with compact steel body. Free flow A→ C1 through check valves, perfect seal C1→A by check valves and adjustable counterbalanced piloted valves. Recommended for open centre controls.





Installation Dimensions





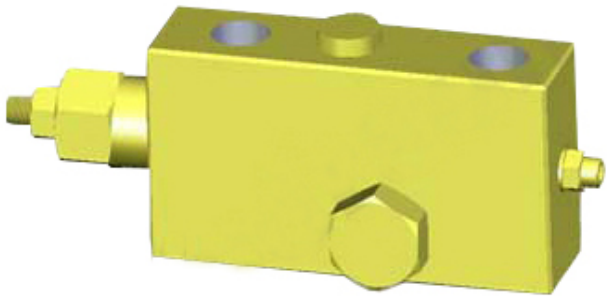
PORT SIZE	
A–C1	P–S
G3/8"	G1/4"

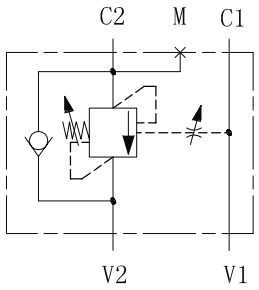
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
OCPV–3/8	4.3:1	100–400	350	10–45	500

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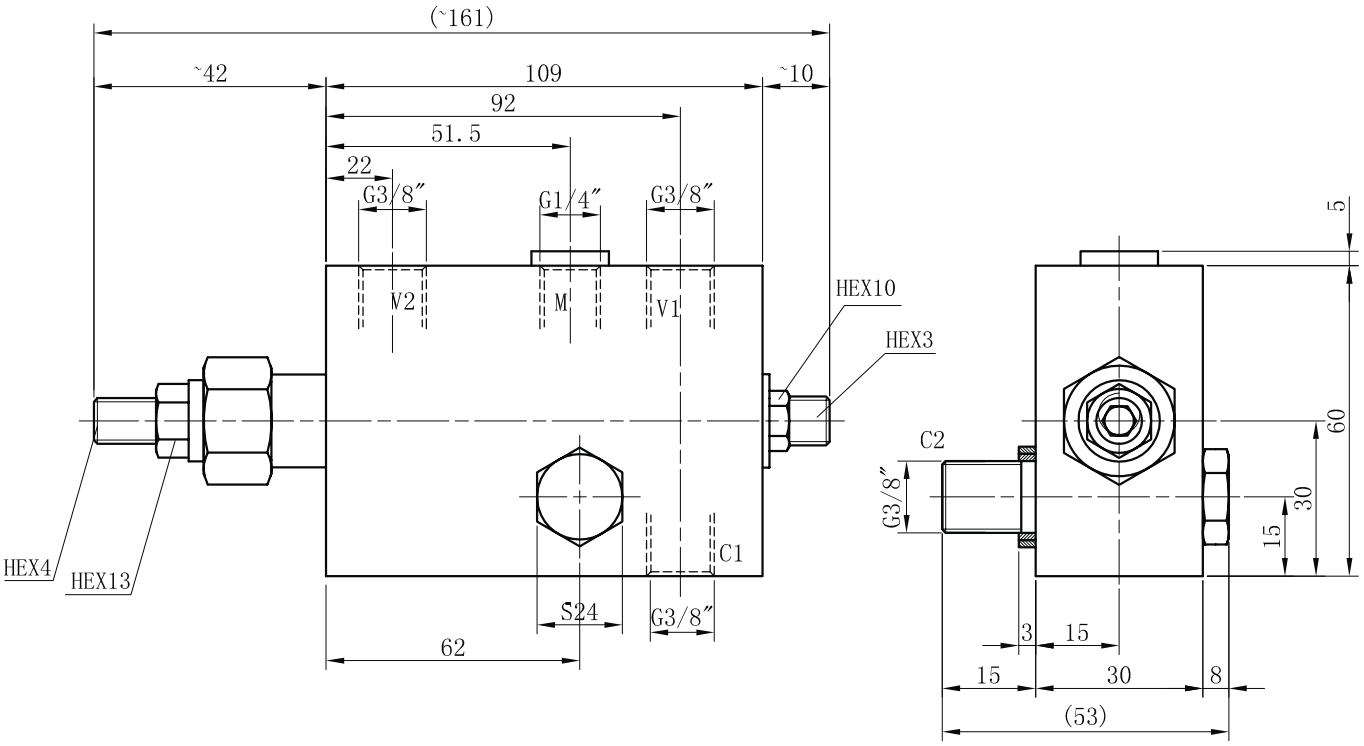
OCRV SERIES FLANGEABLE SINGLE COUNTERBALANCE VALVE FOR OPEN CENTRE

Flangeable single overcenter valve. Free flow V2 towards C2, perfect seal C2 towards V2 through adjustable check valves and operated pilot valves. Recommended for open centre controls.





Installation Dimensions



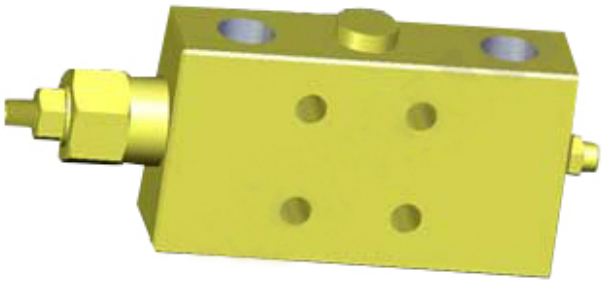
PORT SIZE	
V1–V2–C1–C2	M
G3/8"	G1/4"

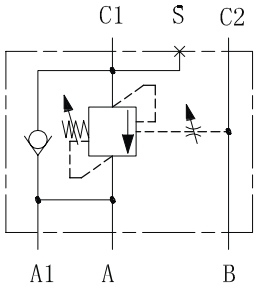
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
OCRV–3/8	4.3:1	100–350	350	10–45	350

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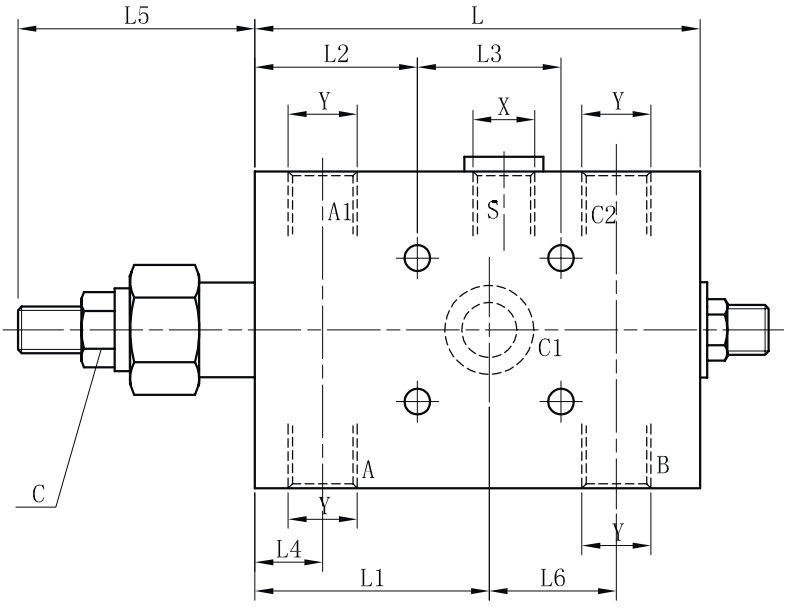
OCPV SERIES FLANGEABLE SINGLE COUNTERBALANCE VALVE FOR OPEN CENTRE

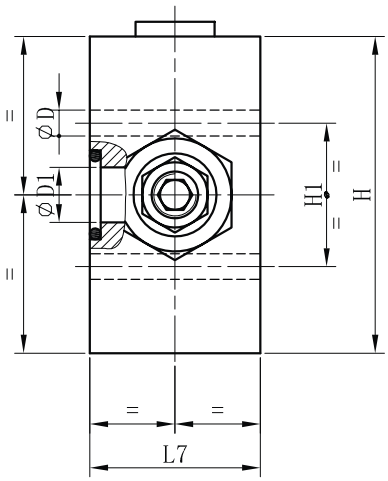
Flangeable single overcenter valve. Free flow A towards C1, perfect seal C1 towards A through adjustable check valves and operated pilot valves. Recommended for open centre controls.





Installation Dimensions





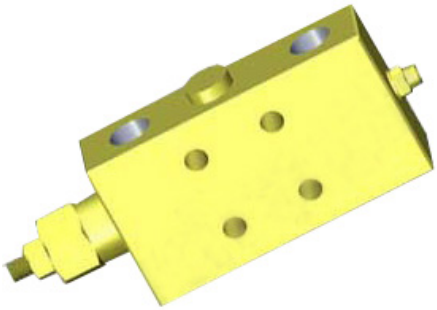
L	L1	L2	L3	L4	L5	L6	L7	H	H1	C	D	D1	X	Y
109	52	37	30	19.5	~42	39	35	65	30	HEX13	ϕ8.5	ϕ9	G1/4"	G1/2"
109	52	37	30	19.5	~42	39	30	55	30	HEX13	ϕ8.5	ϕ9	G1/4"	G3/8"
109	52	37	30	19.5	~42	39	30	55	30	HEX13	ϕ8.5	ϕ9	G1/4"	G1/4"

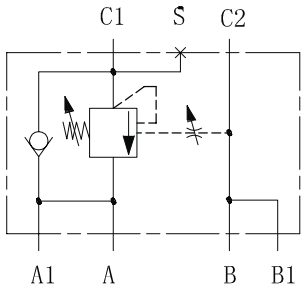
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)	Y
OCPV–1/4–27	2.7:1	80–350	300	1—20	500	G1/4"
OCPV–1/4–43	4.3:1	100–350	350	1—20	500	G1/4"
OCPV–1/4–88	8.8:1	100–350	350	1—20	500	G1/4"
OCPV–3/8–27	2.7:1	80–350	300	10—45	500	G3/8"
OCPV–3/8–43	4.3:1	100–350	350	10—45	500	G3/8"
OCPV–3/8–88	8.8:1	100–350	350	10—45	500	G3/8"
OCPV–1/2–27	2.7:1	80–350	300	30—60	500	G1/2"
OCPV–1/2–43	4.3:1	100–350	350	30—60	500	G1/2"
OCPV–1/2–88	8.8:1	100–350	350	30—60	500	G1/2"

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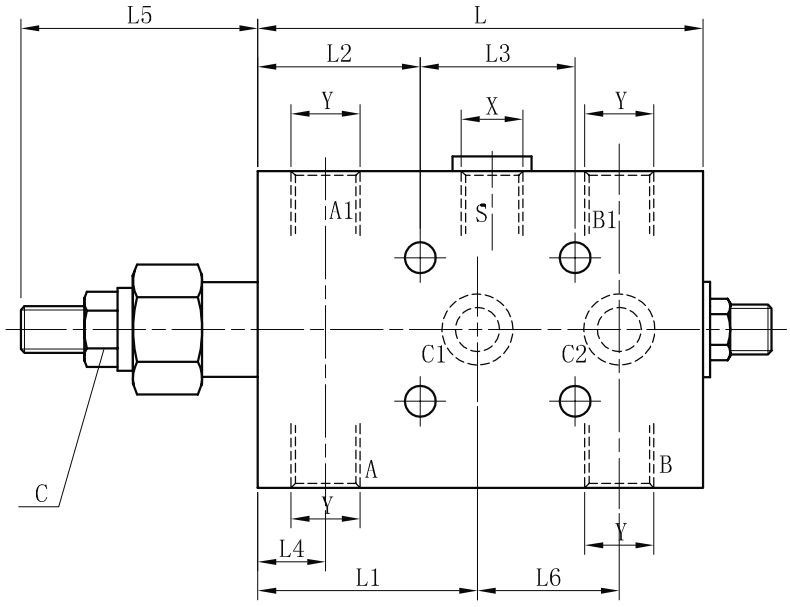
OCPPV SERIES FLANGEABLE SINGLE COUNTERBALANCE VALVE FOR OPEN CENTRE

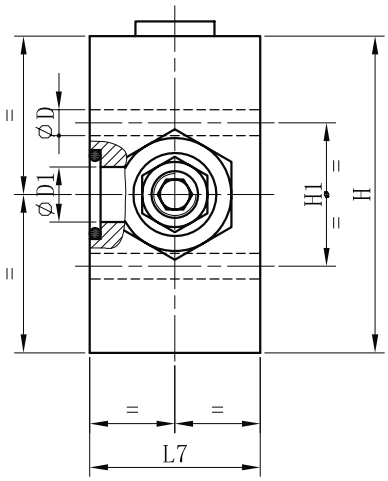
Flangeable single counterbalance valve. Free flow A towards C1, perfect seal C1 towards A through adjustable check valves and operated pilot valves. Recommended for open centre controls.





Installation Dimensions





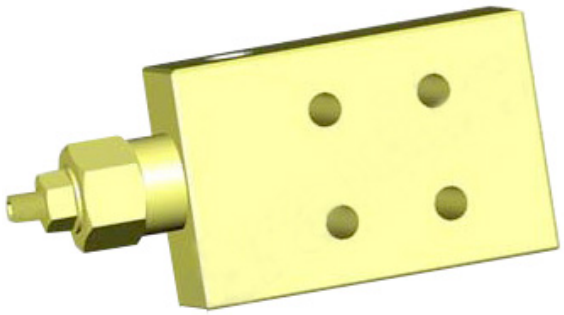
L	L1	L2	L3	L4	L5	L6	L7	H	H1	C	D	D1	X	Y
109	52	37	36	19.5	~42	39	35	65	30	HEX13	ϕ8.5	ϕ9	G1/4"	G1/2"
109	52	37	36	19.5	~42	39	30	55	30	HEX13	ϕ8.5	ϕ9	G1/4"	G3/8"
109	52	37	36	19.5	~42	39	30	55	30	HEX13	ϕ8.5	ϕ9	G1/4"	G1/4"

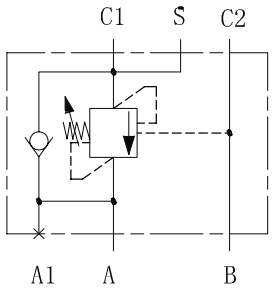
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)	Y
OCPPV–1/4–27	2.7:1	80–350	300	1—20	500	G1/4"
OCPPV–1/4–43	4.3:1	100–350	350	1—20	500	G1/4"
OCPPV–1/4–88	8.8:1	100–350	350	1—20	500	G1/4"
OCPPV–3/8–27	2.7:1	80–350	300	10—45	500	G3/8"
OCPPV–3/8–43	4.3:1	100–350	350	10—45	500	G3/8"
OCPPV–3/8–88	8.8:1	100–350	350	10—45	500	G3/8"
OCPPV–1/2–27	2.7:1	80–350	300	30—60	500	G1/2"
OCPPV–1/2–43	4.3:1	100–350	350	30—60	500	G1/2"
OCPPV–1/2–88	8.8:1	100–350	350	30—60	500	G1/2"

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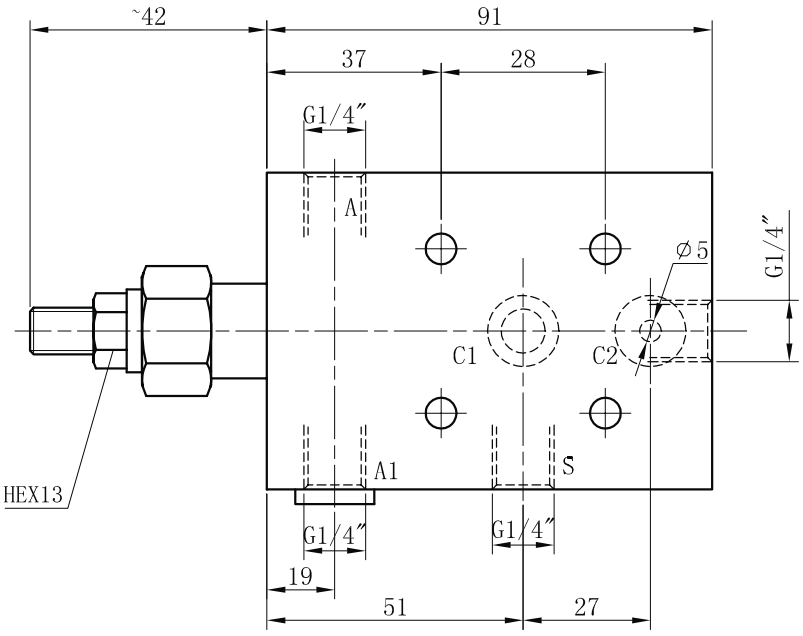
OCCP SERIES FLANGEABLE SINGLE COUNTERBALANCE VALVE FOR OPEN CENTRE

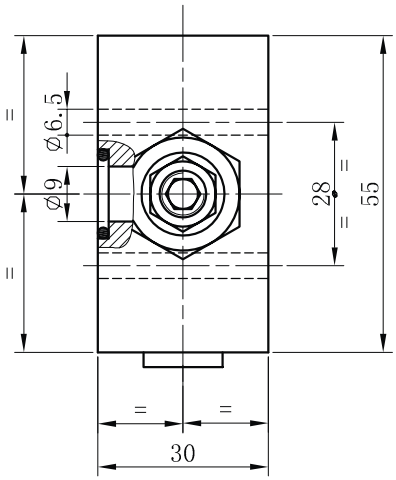
Flangeable single counterbalance valve. Free flow A towards C1, perfect seal C1 towards A through adjustable check valves and operated pilot valves. Recommended for open centre controls.





Installation Dimensions





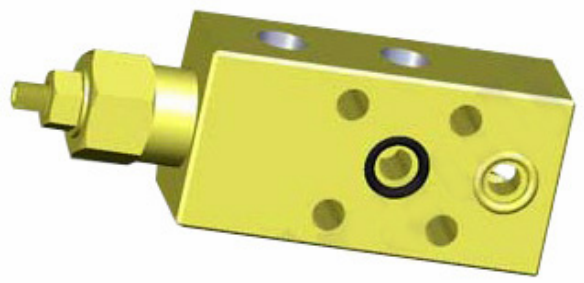
PORT SIZE		
A–A1–B–S	C1	C2
G1/4"	ϕ 9	ϕ 5

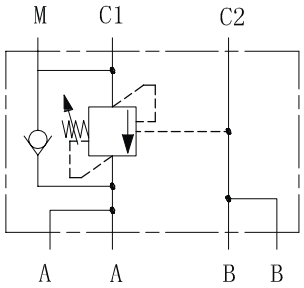
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
OCCP–1/4	4.3:1	100–400	350	1–20	500

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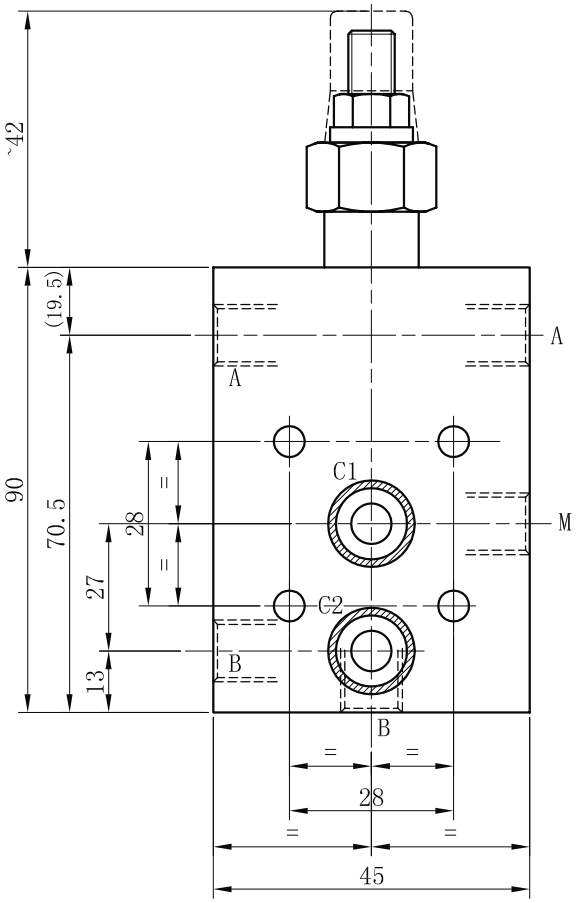
OCCM SERIES FLANGEABLE SINGLE COUNTERBALANCE VALVE FOR OPEN CENTRE

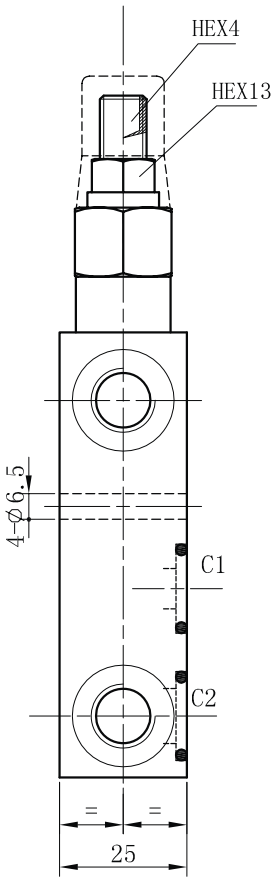
Block valve with compact steel body. Free flow A towards C1, perfect seal C1 towards A through adjustable check valves and operated pilot valves. Recommended for open centre controls.





Installation Dimensions





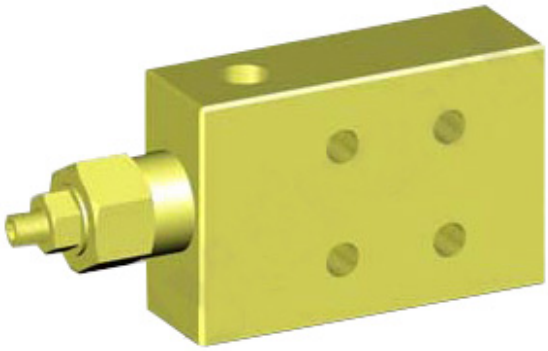
A(N.2),M,B(N.2):G1/4"

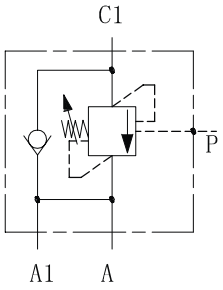
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
OCCM–1/4	4.1:1	100–350	250	1–30	500

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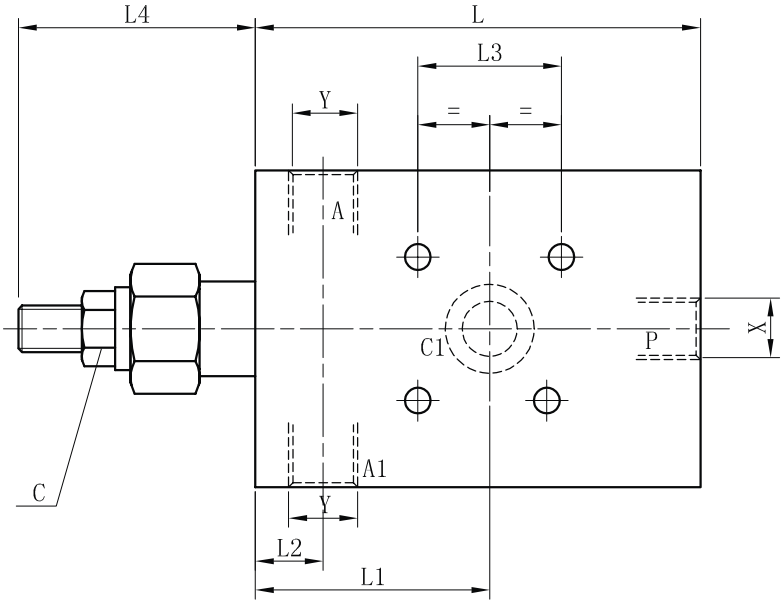
OCAM SERIES FLANGEABLE SINGLE COUNTERBALANCE VALVE FOR OPEN CENTRE

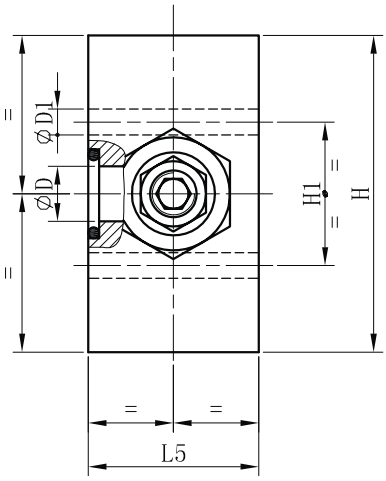
Flangeable single counterbalance valve. Free flow A towards C1, perfect seal C1 towards A through adjustable check valves and operated pilot valves. Recommended for open centre controls.





Installation Dimensions



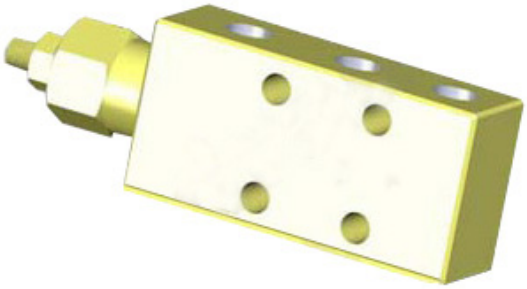


L	L1	L2	L3	L4	L5	H	H1	C	D	D1	X	Y
91	51	19	28	~42	30	55	28	HEX13	ϕ 9	ϕ 6.5	G3/8"	G3/8"
91	51	19	28	~42	30	55	28	HEX13	ϕ 9	ϕ 6.5	G1/4"	G1/4"

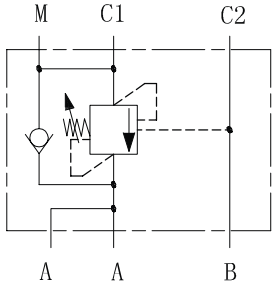
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)	Y
OCAM–1/4	4.3:1	100–350	350	1–20	500	G1/4"
OCAM–3/8	4.3:1	100–350	350	10–45	500	G3/8"

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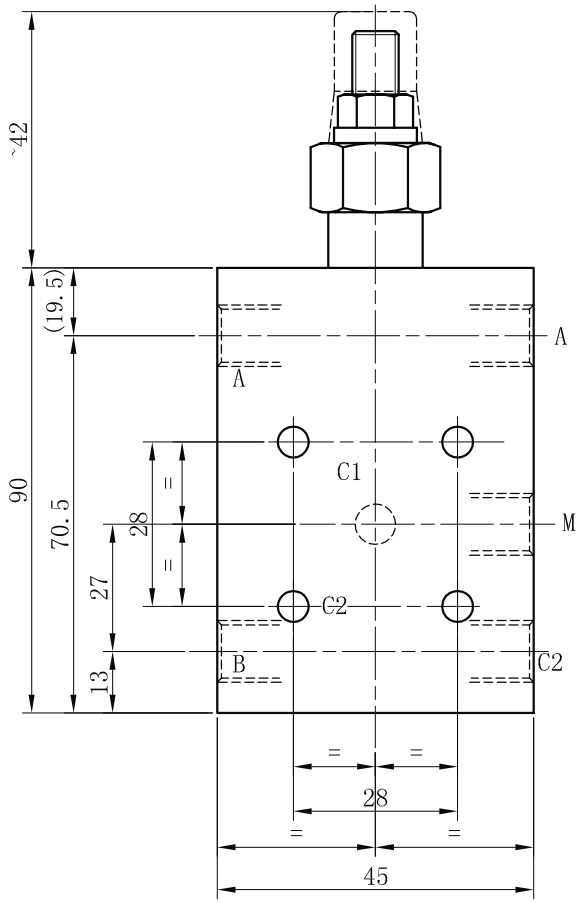
OCBM SERIES FLANGEABLE SINGLE COUNTERBALANCE VALVE FOR OPEN CENTRE

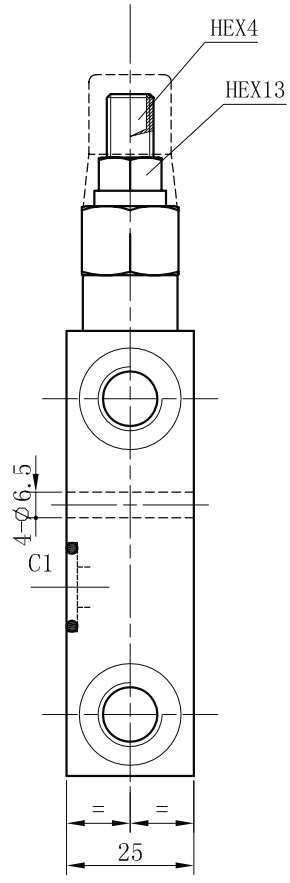


Block valve with compact steel body. Free flow A towards C1, perfect seal C1 towards A through adjustable check valves and operated pilot valves. Recommended for open centre controls.



Installation Dimensions





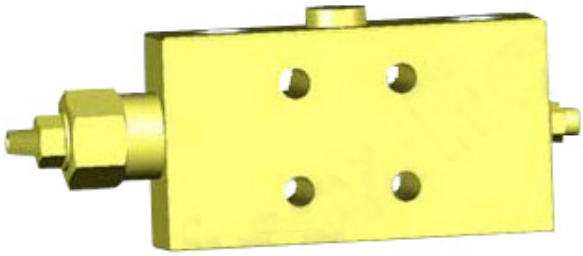
A(N.2),M,B,C2:G1/4"

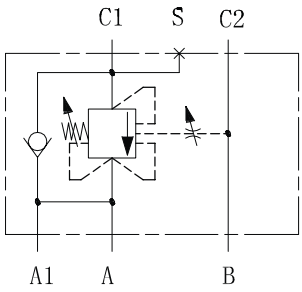
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
OCBM–1/4	4.1:1	100–350	300	1–30	500

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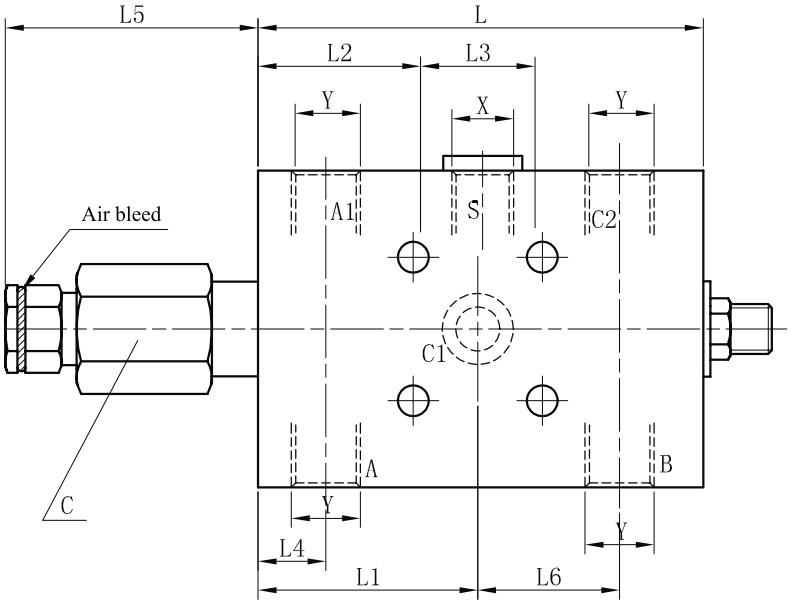
OCRM SERIES FLANGEABLE SINGLE COUNTERBALANCE VALVE FOR OPEN CENTRE

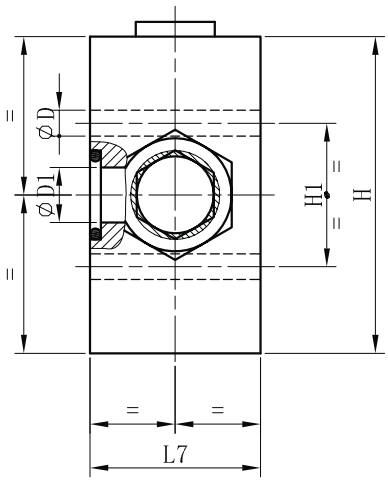
Block valve with compact steel body. Free flow A towards C1, perfect seal C1 towards A through adjustable check valves and operated pilot valves. Recommended for closed centre controls.





Installation Dimensions





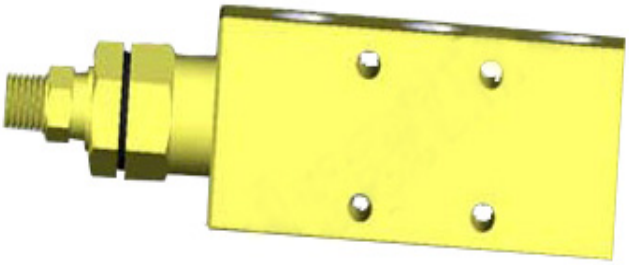
L	L1	L2	L3	L4	L5	L6	L7	H	H1	C	D	D1	X	Y
109	52	37	30	19.5	52	39	35	65	30	HEX17	ϕ8.5	ϕ9	G1/4"	G1/2"
109	52	37	30	19.5	52	39	30	55	30	HEX17	ϕ8.5	ϕ9	G1/4"	G3/8"
109	52	37	30	19.5	52	39	30	55	30	HEX17	ϕ8.5	ϕ9	G1/4"	G1/4"

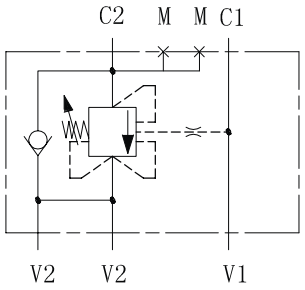
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)	Y
OCRM–1/4–27	2.7:1	80–350	300	1—20	500	G1/4"
OCRM–1/4–43	4.3:1	100–350	350	1—20	500	G1/4"
OCRM–1/4–88	8.8:1	100–350	350	1—20	500	G1/4"
OCRM–3/8–27	2.7:1	80–350	300	10—45	500	G3/8"
OCRM–3/8–43	4.3:1	100–350	350	10—45	500	G3/8"
OCRM–3/8–88	8.8:1	100–350	350	10—45	500	G3/8"
OCRM–1/2–27	2.7:1	80–350	300	30—60	500	G1/2"
OCRM–1/2–43	4.3:1	100–350	350	30—60	500	G1/2"
OCRM–1/2–88	8.8:1	100–350	350	30—60	500	G1/2"

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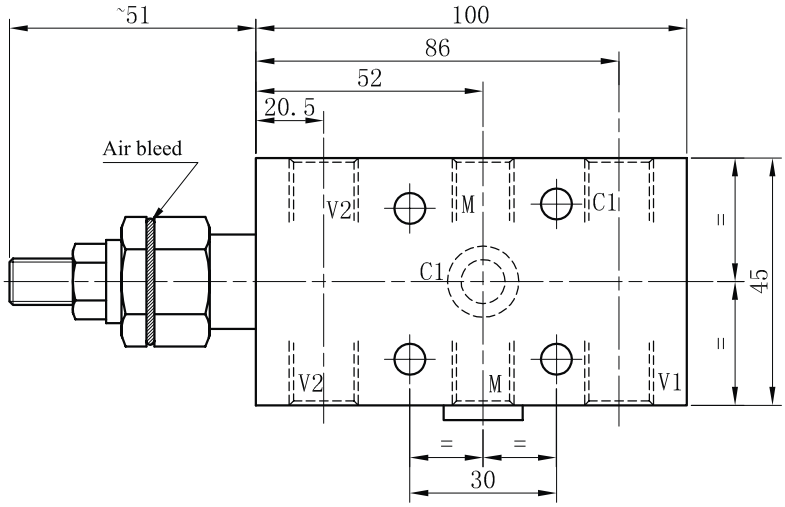
OCKM SERIES FLANGEABLE SINGLE COUNTERBALANCE VALVE FOR CLOSED CENTRE

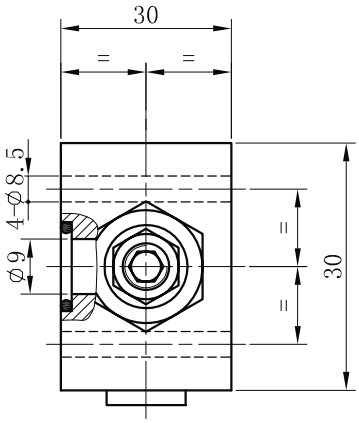
Flangeable single overcenter valve. Free flow V2 towards C2, perfect seal C2 towards V2 through adjustable check valves and operated pilot valves. Recommended for closed centre controls.





Installation Dimensions





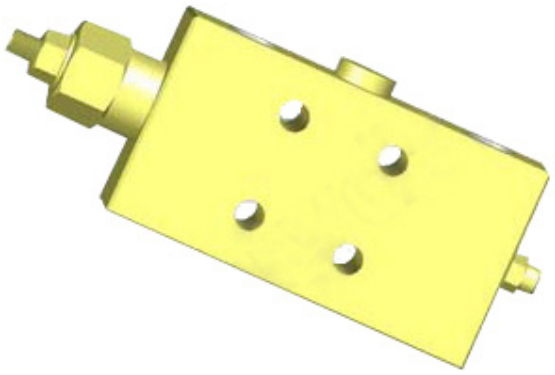
PORT SIZE:
V1,V2(N.2),C1:G3/8"
M(N.2):G1/4"

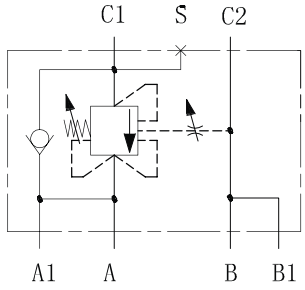
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)	Y
OCKM–3/8	4.3:1	100–350	300	10–45	500	G3/8"

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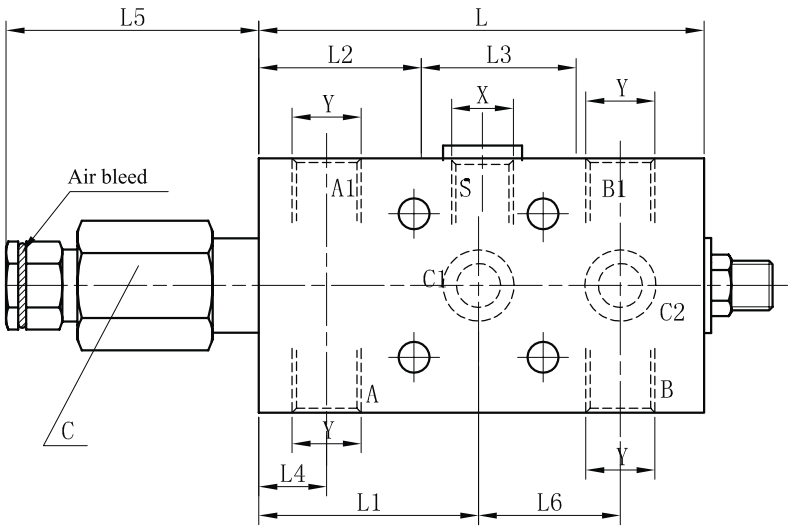
OCSM SERIES FLANGEABLE SINGLE COUNTERBALANCE VALVE FOR CLOSED CENTRE

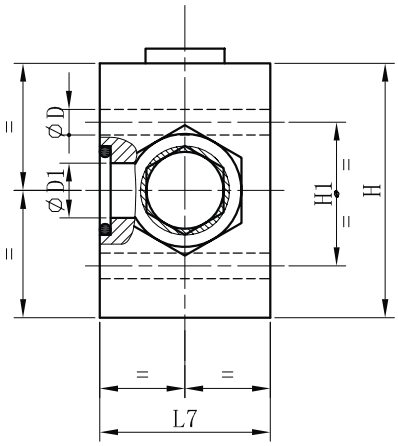
Flangeable single overcenter valve. Free flow A towards C1, perfect seal C1 towards A through adjustable check valves and operated pilot valves. Recommended for closed centre controls.





Installation Dimensions



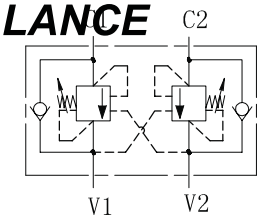


L	L1	L2	L3	L4	L5	L6	L7	H	H1	C	D	D1	X	Y
109	52	37	36	19.5	52	39	35	65	30	HEX17	ϕ8.5	ϕ9	G1/4"	G1/2"
109	52	37	36	19.5	52	39	30	55	30	HEX17	ϕ8.5	ϕ9	G1/4"	G3/8"
109	52	37	36	19.5	52	39	30	55	30	HEX17	ϕ8.5	ϕ9	G1/4"	G1/4"

MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)	Y
OCSM–1/4–27	2.7:1	80–350	300	1—20	500	G1/4"
OCSM–1/4–43	4.3:1	100–350	350	1—20	500	G1/4"
OCSM–1/4–88	8.8:1	100–350	350	1—20	500	G1/4"
OCSM–3/8–27	2.7:1	80–350	300	10—45	500	G3/8"
OCSM–3/8–43	4.3:1	100–350	350	10—45	500	G3/8"
OCSM–3/8–88	8.8:1	100–350	350	10—45	500	G3/8"
OCSM–1/2–27	2.7:1	80–350	300	30—60	500	G1/2"
OCSM–1/2–43	4.3:1	100–350	350	30—60	500	G1/2"
OCSM–1/2–88	8.8:1	100–350	350	30—60	500	G1/2"

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HOW SERIES DUAL COUNTERBALANCE VALVES(FOR OPEN CENTRE)

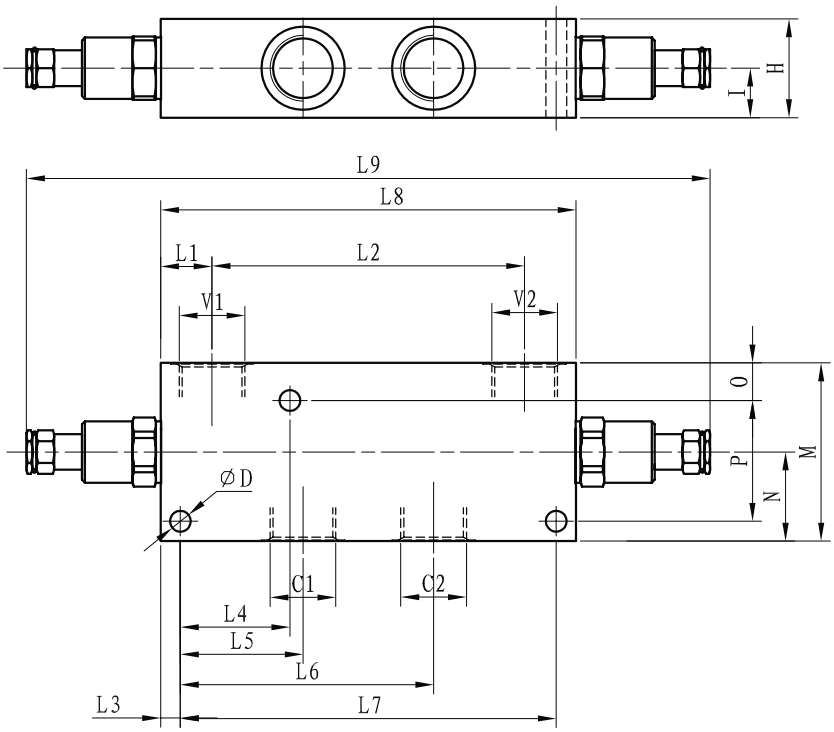


It provides static and dynamic control of load by regulating the flow IN and OUT of the actuator, through ports C1 and C2.This valve module includes 2 sections, each one composed by a check and a relief valve pilot assisted by pressure in the opposite line: the check section allows free flow into the actuator, then holds the load against reverse movement; with pilot pressure applied at the line across, the pressure setting of the relief is reduced in proportion to the stated ratio until opening and allowing controlled reverse flow. Back-pressure at V1 or V2 is additive to the pressure setting in all functions.



Model Code	Max.operating pressure (MPa)	Flow rate (L/min)
HOW–3/8–50	20(Aluminum)31.5(steel)	50
HOW–1/2–80	20(Aluminum)31.5(steel)	80
HOW–3/4–120	20(Aluminum)31.5(steel)	120
HOW–1–160	20(Aluminum)31.5(steel)	160

HOW Installation Dimensions



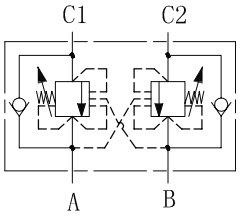
Model Code	L1	L2	L3	L4	L5	L6	L7	L8	L9	O	P	N	M	I	H	ϕD	V1 C1 V2 C2
HOW–3/8–50	18	94	10	32	34	76	110	130	229	6	40	28	56	15	30	7	G3/8"
HOW–1/2–80	18	94	9.5	32.5	34.5	76.5	106.5	130	237	9.7	41.3	33	65	19	38	6.6	G1/2"
HOW–3/4–120	23	109	10	–	32.5	102.5	135	155	280	10	70	45	90	22.5	45	10.5	G3/4"
HOW–1–160	26	158	10	–	62	128	190	210	345.5	10	70	45	90	25	50	10.5	G1"

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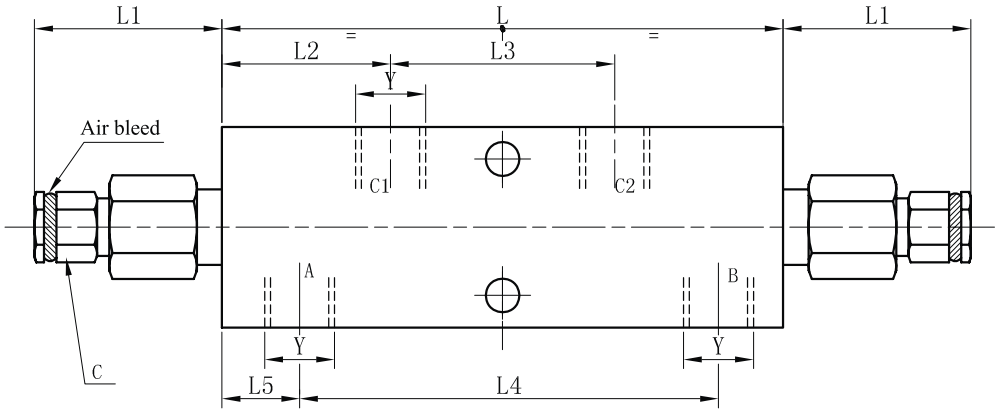
CCW SERIES DUAL COUNTERBALANCE VALVE IN LINE FOR CLOSED CENTRE

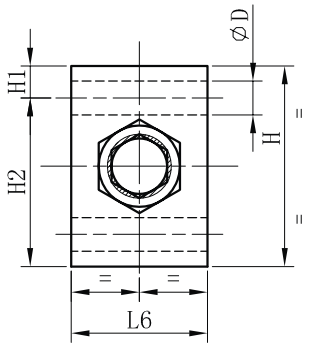
Dual block valve in line. Free flow A towards C1 and B towards C2 perfect seal C1 towards A and C2 towards B trough adjustable check valves and operated pilot valves. Recommended for closed centre controls.





Installation Dimensions





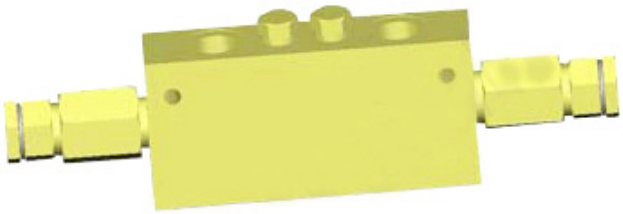
L	L1	L2	L3	L4	L5	L6	H	H1	H2	C	D	Y
151	52	51.5	48	112	19.5	30	55	8.5	38	HEX17	ϕ 8.5	G3/8"
151	52	51.5	48	112	19.5	35	65	11	43	HEX17	ϕ 8.5	G1/2"

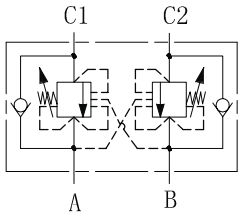
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)	Y
CCW–3/8–27	2.7:1	80–350	300	5–45	500	G3/8"
CCW–3/8–43	4.3:1	100–350	350	5–45	500	G3/8"
CCW–3/8–88	8.8:1	100–350	350	5–45	500	G3/8"
CCW–1/2–27	2.7:1	80–350	300	30–60	500	G1/2"
CCW–1/2–43	4.3:1	100–350	350	30–60	500	G1/2"
CCW–1/2–88	8.8:1	100–350	350	30–60	500	G1/2"

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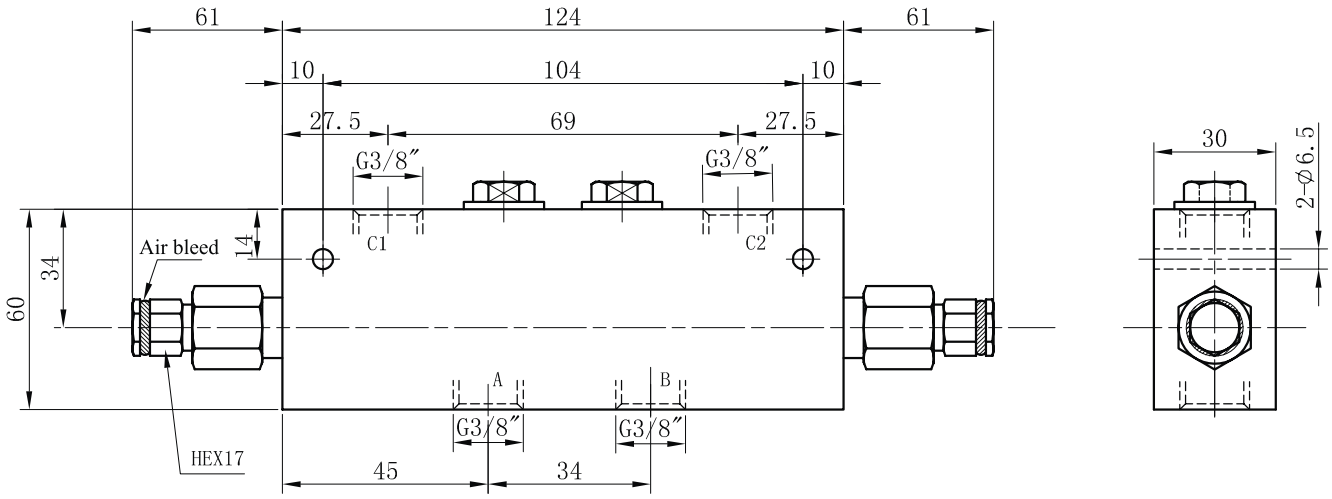
CCW SERIES DUAL COUNTERBALANCE VALVE IN LINE FOR CLOSED CENTRE

Dual block valve in line. Free flow A towards C1 and B towards C2 perfect seal C1 towards A and C2 towards B through adjustable check valves and operated pilot valves. Recommended for closed centre controls.





Installation Dimensions



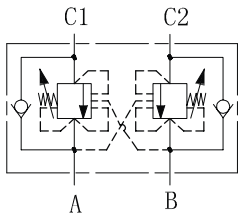
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
CCW–3/8–48	4.84:1	100–350	300	10–45	500
CCW–3/8–68	6.83:1	100–450	300	10–45	500
CCW–3/8–95	9.5:1	100–350	250	10–45	500

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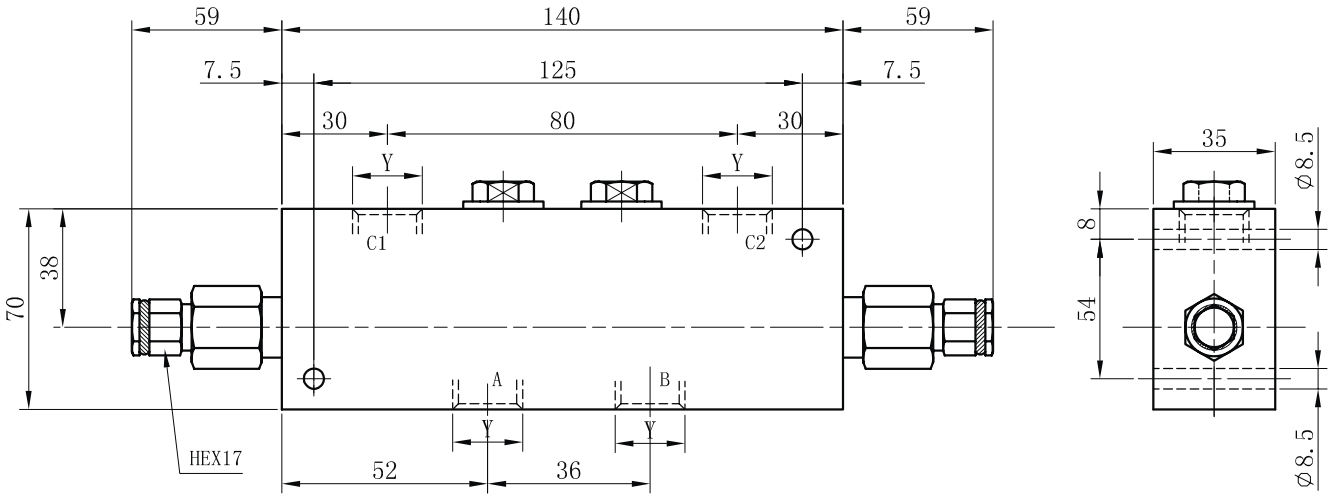
CCW SERIES DUAL COUNTERBALANCE VALVE IN LINE FOR CLOSED CENTRE

Dual block valve in line. Free flow A towards C1 and B to wards C2 perfect seal C1 towards A and C2 towards B through adjustable check valves and operated pilot valves. Recommended for closed centre controls.





Installation Dimensions



MODEL	PORT SIZE
CCW–1/2–48–35	G1/2"
CCW–1/2–68–45	G1/2"
CCW–22–48–35	M22 x 1.5
CCW–22–68–45	M22 x 1.5

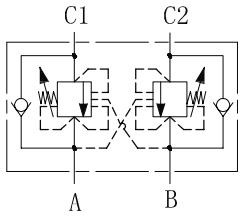
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
CCW–1/2–48–35	4.84:1	100–350	350	10–80	500
CCW–1/2–68–45	6.83:1	100–450	300	10–80	500
CCW–22–48–35	4.84:1	100–350	250	10–80	500
CCW–22–68–45	6.83:1	100–450	300	10–80	500

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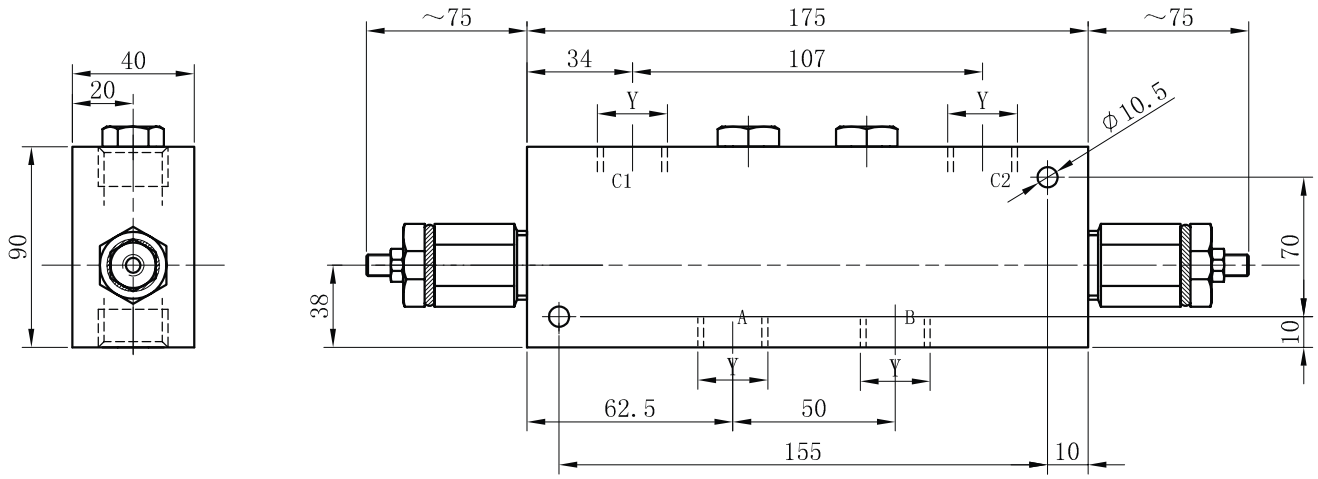
CCW SERIEA DUAL COUNTERBALANCE VALVE IN LINE FOR CLOSED CENTRE

Dual block valve in line. Free flow A towards C1 and B towards C2 perfect seal C1 towards A and C2 towards B through adjustable check valves and operated pilot valves. Recommended for closed centre controls.





Installation Dimensions



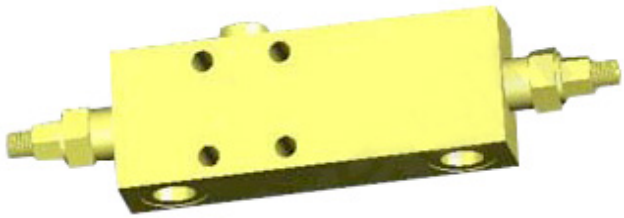
MODEL	PORT SIZE
CCW–3/4–44	G3/4"
CCW–3/4–82	G3/4"

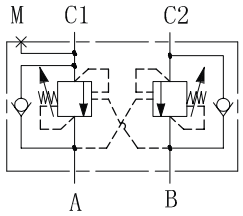
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
CCW–3/4–44	4.4:1	100–350	300	20–140	500
CCW–3/4–82	8.2:1	100–400	350	20–140	500

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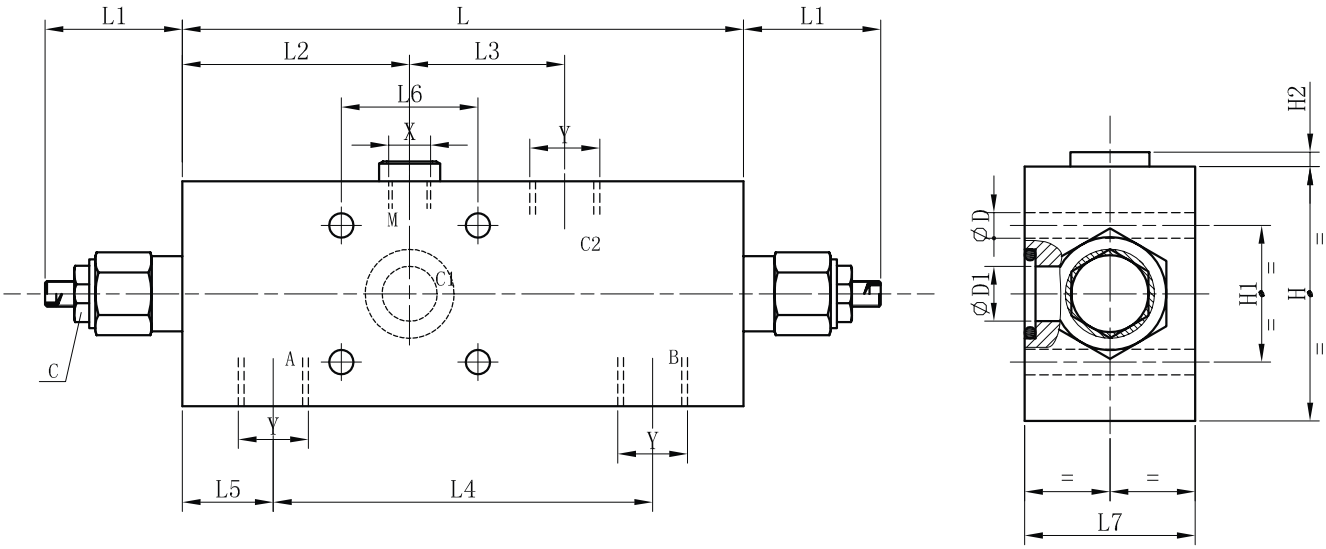
OCAW SERIES FLANGEABLE DUAL COUNTERBALANCE VALVE FOR OPEN CENTRE

Flangeable dual counterbalance valve. Free flow A towards C1 and B towards C2, perfect seal C1 towards A and C2 towards B through adjustable check valves and operated pilot valve . Recommended for open centre controls.





Installation Dimensions



L	L1	L2	L3	L4	L5	L6	L7	H	H1	H2	C	D	D1	Y	X
151	~42	51.5	48	112	19.5	30	30	55	30	5	HEX13	ϕ8.5	ϕ9	G3/8"	G1/4"
151	~42	51.5	48	112	19.5	30	35	65	30	5	HEX13	ϕ8.5	ϕ9	G1/2"	G1/4"

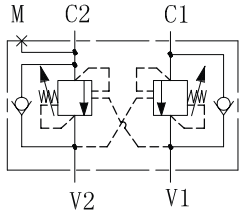
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)	Y
OCAW-3/8-27	2.7:1	80-350	300	5-45	500	G3/8"
OCAW-3/8-43	4.3:1	100-350	350	5-45	500	G3/8"
OCAW-3/8-88	8.8:1	100-350	350	5-45	500	G3/8"
OCAW-1/2-27	2.7:1	80-350	300	10-60	500	G1/2"
OCAW-1/2-43	4.3:1	100-350	350	10-60	500	G1/2"
OCAW-1/2-88	8.8:1	100-350	350	10-60	500	G1/2"

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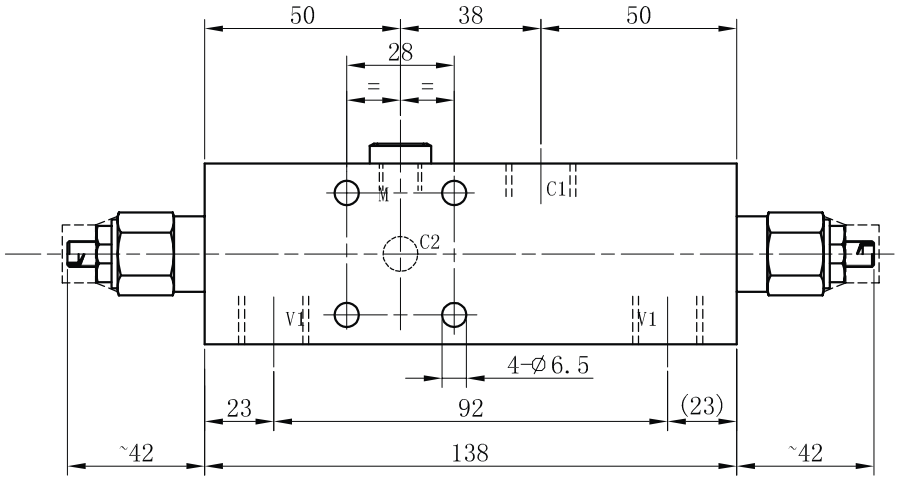
OCMW SERIES FLANGEABLE DUAL COUNTERBALANCE VALVE FOR OPEN CENTRE

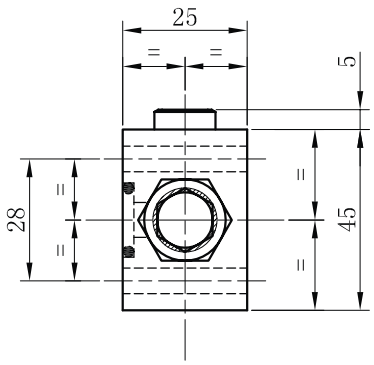
Flangeable dual counterbalance valve. Free flow A towards C1 and B towards C2, perfect seal C1 towards A and C2 towards B through adjustable check valves and operated pilot valve . Recommended for open centre controls.





Installation Dimensions





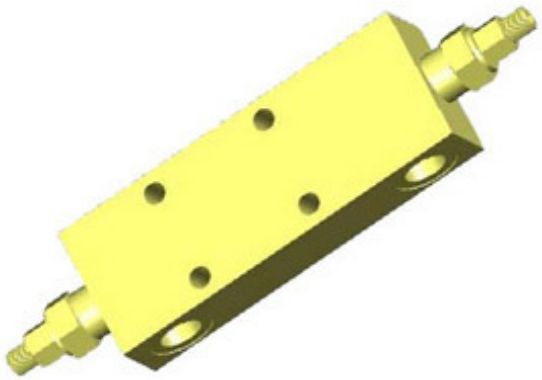
PORT DIMENSION:V1,C1,V2,M:G1/4"

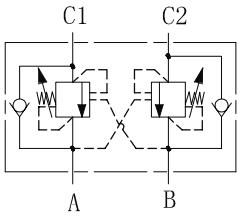
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
OCMW–1/4–41	4.1:1	100–350	300	1–30	500

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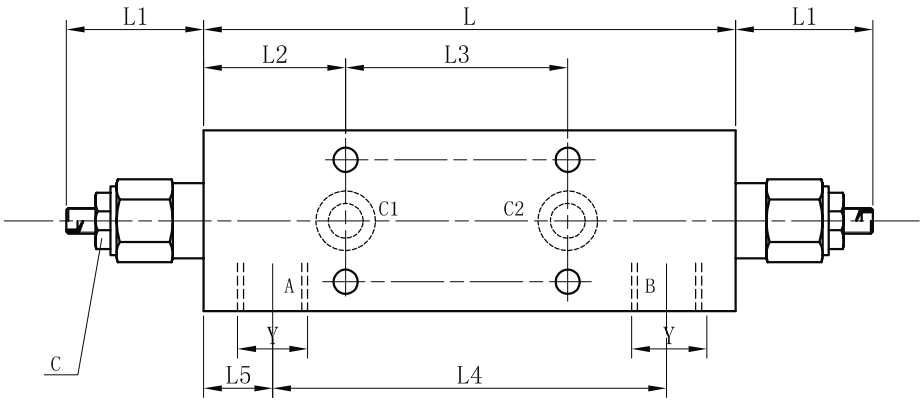
OCPW SERIES FLANGEABLE DUAL COUNTERBALANCE VALVE FOR OPEN CENTRE

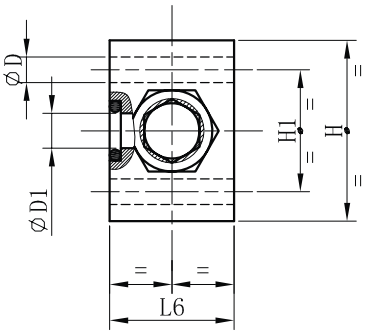
Flangeable dual counterbalance valve. Free flow A towards C1 and B towards C2, perfect seal C1 towards A and C2 towards B through adjustable check valves and operated pilot valve . Recommended for open centre controls.





Installation Dimensions





L	L1	L2	L3	L4	L5	L6	H	H1	C	D	D1	Y
151	~42	51.5	48	112	19.5	30	55	40	S13	ϕ 8.5	ϕ 9	G3/8"
151	~42	51.5	48	112	19.5	35	65	40	S13	ϕ 8.5	ϕ 9	G1/2"

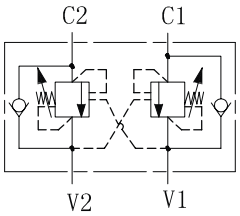
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)	Y
OCPW–3/8–27	2.7:1	80–350	300	5–45	500	G3/8"
OCPW–3/8–43	4.3:1	100–350	350	5–45	500	G3/8"
OCPW–3/8–88	8.8:1	100–350	350	5–45	500	G3/8"
OCPW–1/2–27	2.7:1	80–350	300	10–60	500	G1/2"
OCPW–1/2–43	4.3:1	100–350	350	10–60	500	G1/2"
OCPW–1/2–88	8.8:1	100–350	350	10–60	500	G1/2"

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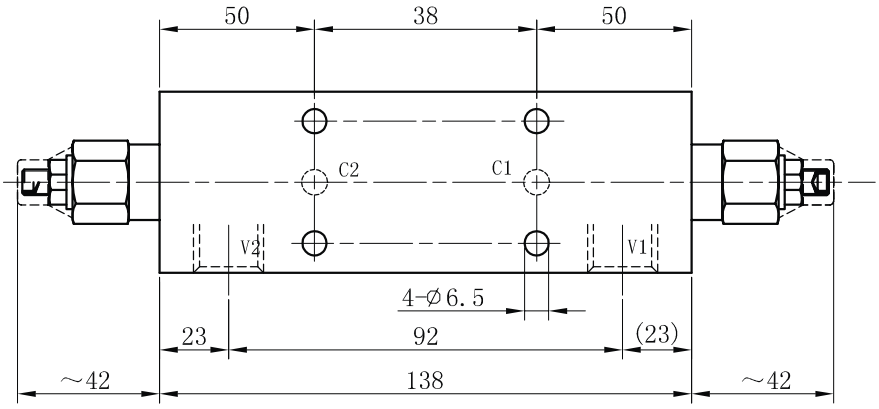
OCPW SERIES FLANGEABLE DUAL COUNTERBALANCE VALVE FOR OPEN CENTRE

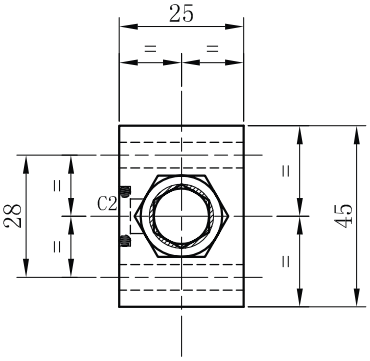
Flangeable dual counterbanlance valve. Free flow V1 towards C1 and V2 towards C2, perfect seal C1 towards V1 and C2 towards V2 through adjustable check valves and operated pilot valve. Recommended for open centre controls.





Installation Dimensions





PORT SIZE
V1–V2
G1/4"

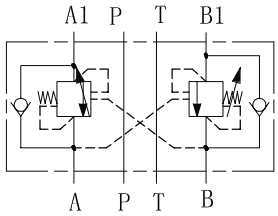
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
OCPW–1/4–41	4.1:1	100–350	300	1–30	500

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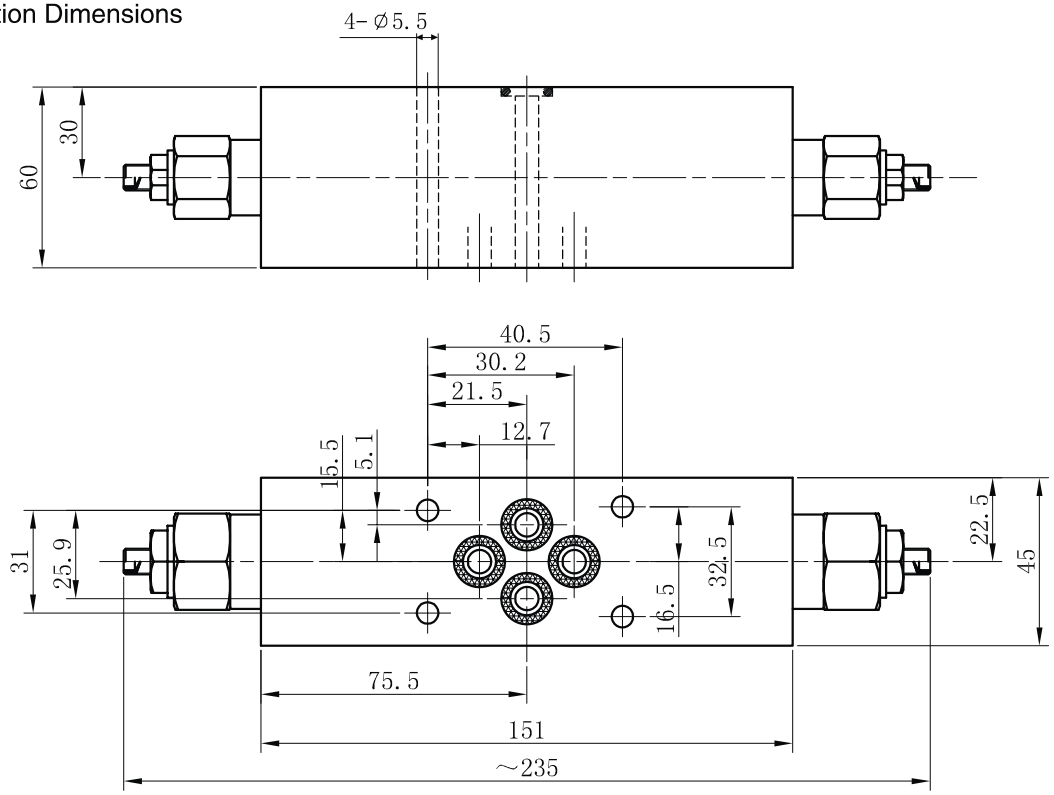
OCBW SERIES FLANGEABLE DUAL COUNTERBALANCE VALVE FOR OPEN CENTRE

Flangeable dual counterbanlance valve. Free flow A towards A1 and B towards B1, perfect seal A1 towards A and B1 towards B through adjustable check valves and operated pilot valve. Flanging: ISO CETOP 3 Recommended for open centre controls.





Installation Dimensions

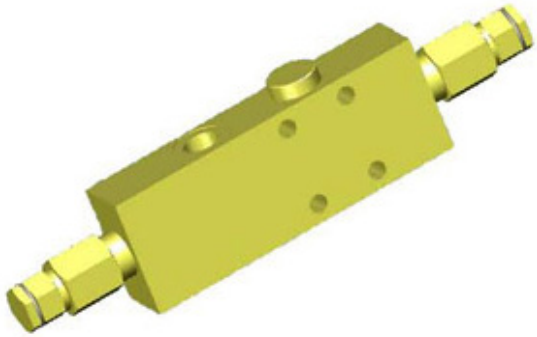


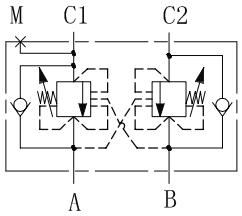
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
OCBW–27	2.7:1	80–350	300	5–45	350
OCBW–43	4.3:1	100–350	350	5–45	350
OCBW–88	8.8:1	100–350	350	5–45	350

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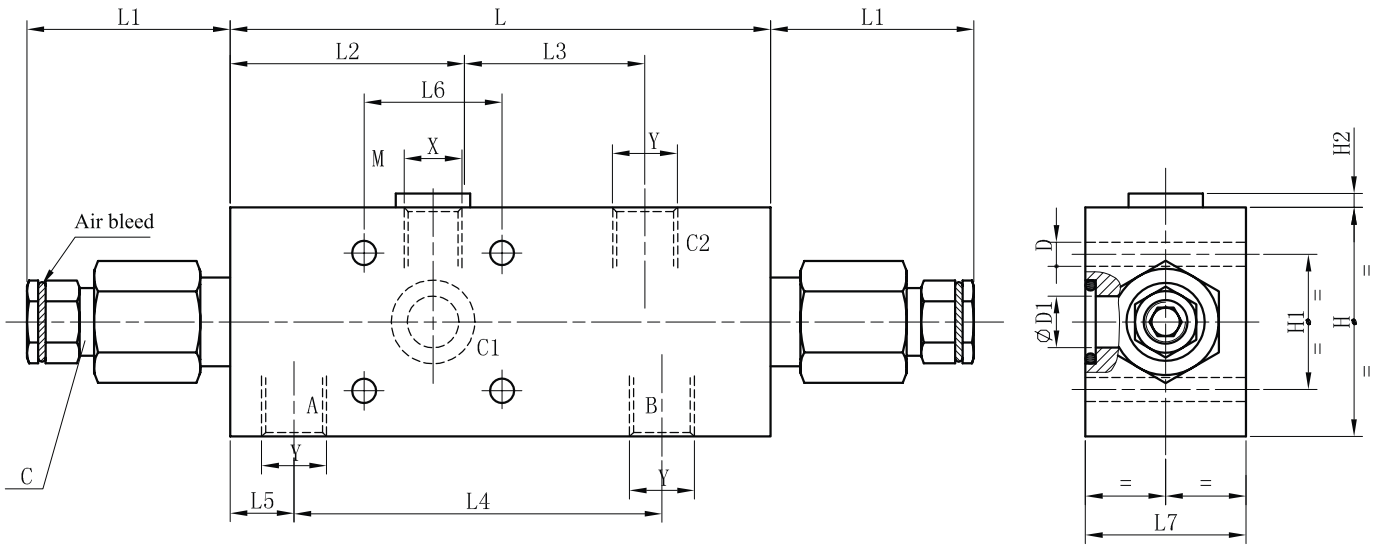
CCMW SERIES FLANGEABLE DUAL COUNTERBALANCE VALVE FOR CLOSED CENTRE

Dual block valve in line. Free flow A towards C1 and B towards C2, perfect seal C1 towards A and C2 towards B through adjustable check valves and operated pilot valve. Recommended for closed centre controls.





Installation Dimensions



L	L1	L2	L3	L4	L5	L6	L7	H	H1	H2	C	D	D1	Y	X
151	52	51.5	48	112	19.5	30	30	55	30	5	HEX17	ϕ 8.5	ϕ 9	G3/8"	G1/4"
151	52	51.5	48	112	19.5	30	35	65	30	5	HEX17	ϕ 8.5	ϕ 9	G1/2"	G1/4"

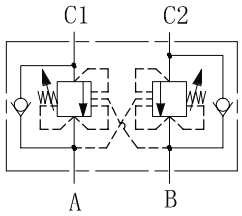
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)	Y
CCMW–3/8–27	2.7:1	80–350	300	5–45	500	G3/8"
CCMW–3/8–43	4.3:1	100–350	350	5–45	500	G3/8"
CCMW–3/8–88	8.8:1	100–350	350	5–45	500	G3/8"
CCMW–1/2–27	2.7:1	80–350	300	10–60	500	G1/2"
CCMW–1/2–43	4.3:1	100–350	350	10–60	500	G1/2"
CCMW–1/2–88	8.8:1	100–350	350	10–60	500	G1/2"

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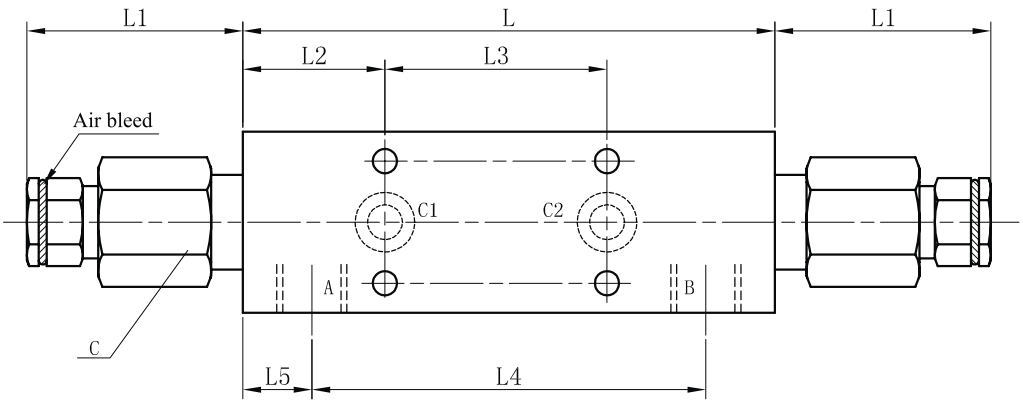
CCPW SERIES FLANGEABLE DUAL COUNTERBALANCE VALVE FOR CLOSED CENTRE

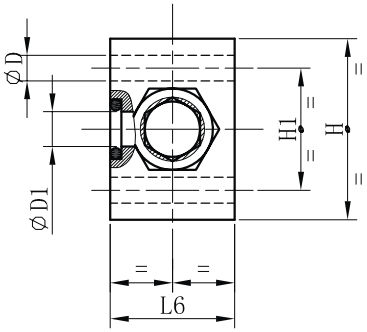
Dual block valve in line. Free flow A towards C1 and B towards C2, perfect seal C1 towards A and C2 towards B through adjustable check valves and operated pilot valve. Recommended for closed centre controls.





Installation Dimensions





L	L1	L2	L3	L4	L5	L6	H	H1	C	D	D1	Y
151	52	51.5	48	112	19.5	30	55	40	HEX17	ϕ 8.5	ϕ 9	G3/8"
151	52	51.5	48	112	19.5	35	65	40	HEX17	ϕ 8.5	ϕ 9	G1/2"

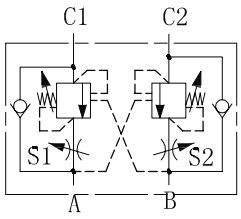
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)	Y
CCPW–3/8–27	2.7:1	80–350	300	5–45	500	G3/8"
CCPW–3/8–43	4.3:1	100–350	350	5–45	500	G3/8"
CCPW–3/8–88	8.8:1	100–350	350	5–45	500	G3/8"
CCPW–1/2–27	2.7:1	80–350	300	10–60	500	G1/2"
CCPW–1/2–43	4.3:1	100–350	350	10–60	500	G1/2"
CCPW–1/2–88	8.8:1	100–350	350	10–60	500	G1/2"

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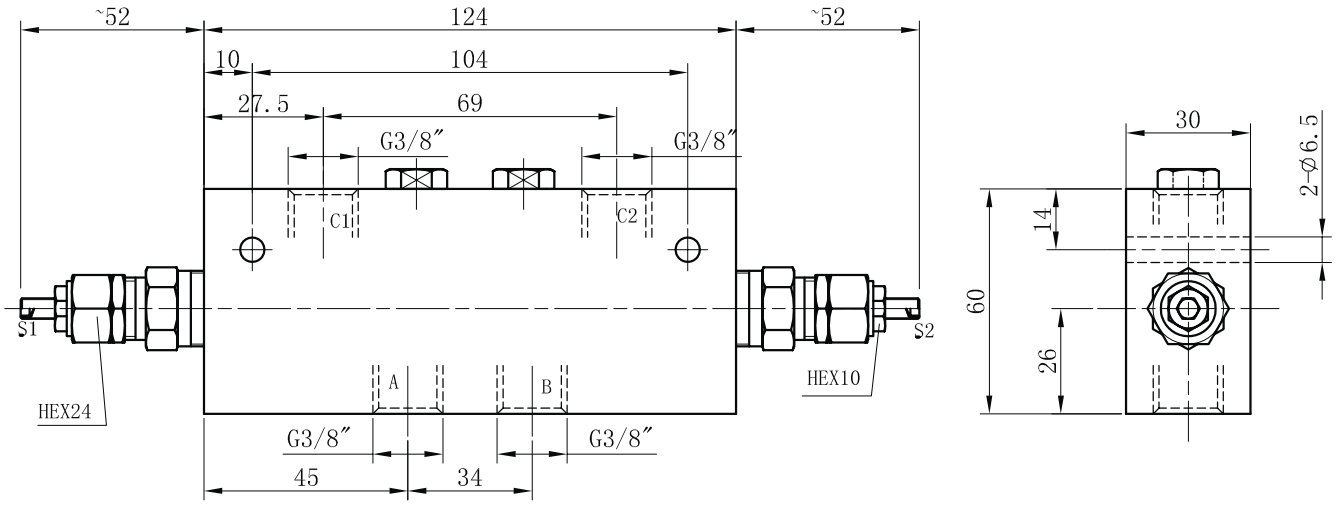
OCRW SERIES DUAL COUNTERBALANCE VALVES WITH FLOW REGULATORS

Block valves with compact steel body. Free flow A→C1 and B→C2 through check valves, perfect seal C1→A and C2→B by check valves and adjustable counterbalanced piloted relief valves. Additional flow regulators for outlet ports.





Installation Dimensions



PORT SIZE
A–B–C1–C2
G3/8"

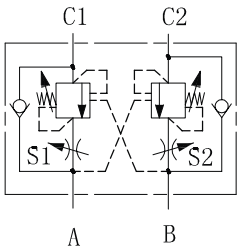
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
OCRW–3/8	4.84:1	100–350	180	5–40	500

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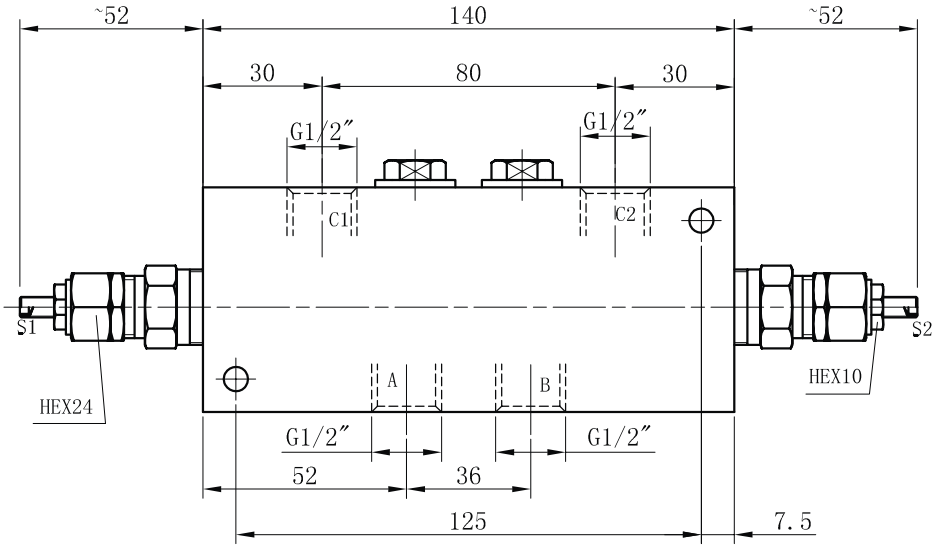
OCRW SERIES DUAL COUNTERBALANCE VALVES WITH FLOW REGULATORS

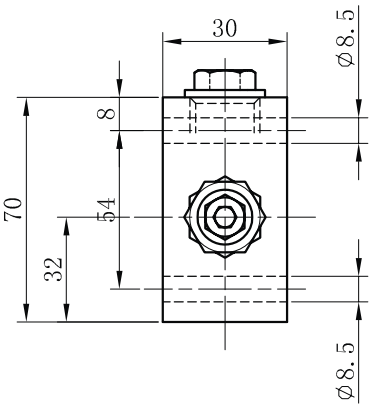
Block valves with compact steel body. Free flow A→C1 and B→C2 through check valves, perfect seal C1→A and C2→B by check valves and adjustable counterbalanced piloted relief valves. Additional flow regulators for outlet ports.





Installation Dimensions





PORT SIZE
A–B–C1–C2
G1/2"

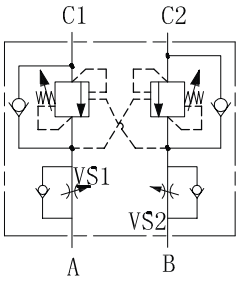
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
OCRW–1/2	4.84:1	100–350	200	10–60	500

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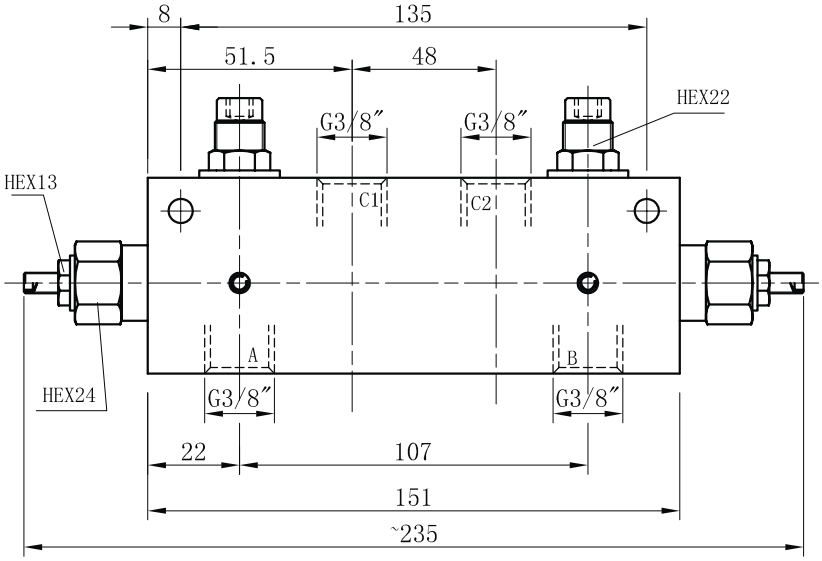
OCKW SERIES DUAL COUNTERBALANCE VALVES WITH FLOW REGULATORS

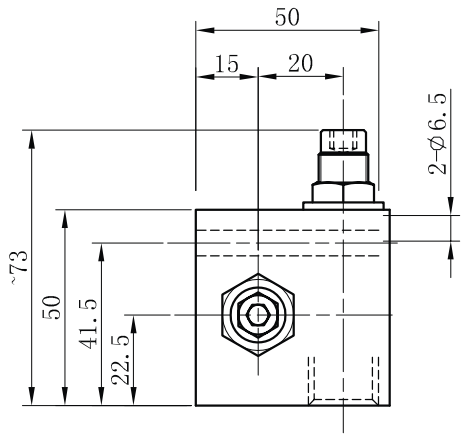
Block valves with compact steel body. Free flow A→C1 and B→C2 through check valves, perfect seal C1→A and C2→B by check valves and adjustable counterbalanced piloted relief valves. Additional flow regulators for outlet ports.





Installation Dimensions





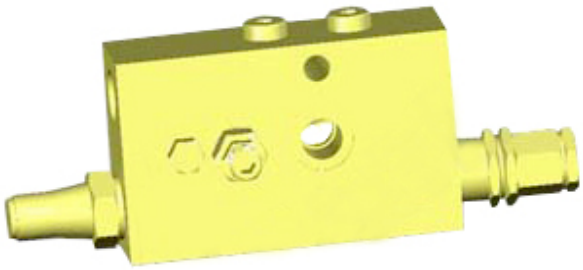
PORT SIZE
A–B–C1–C2
G3/8"

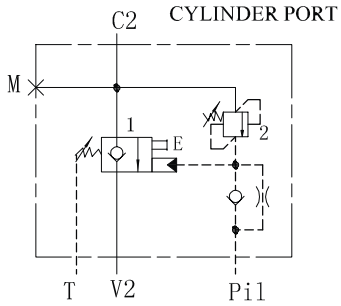
MODEL	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING(bar)	FLOW RANGE (l/min)	MAX.PEAK PRESSURE (bar)
OCKW–3/8	4.3:1	100–350	200	5–45	350

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HBV-78-DX VALVE

Upstream flow (V2-C2) to the cylinder is free through a check valve, and reverse flow (C2-V2) is locked/metered by a leak free spool (1) which provides fine metering in the initial opening stroke, The spool normally held closed by an adjustable spring force, is remotely controlled by joystick pilot pressure; the pilot pressure required to move the spool is load independent because the spring is vented to Tank ,The valve includes a small relief cartridge (2) which senses C2 pressure and opens under overload or shock conditions in order to pilot wide open the metering spool and to allow cylinder pressure to be relieved downstream through the main hose (V2) and through the main control valve.

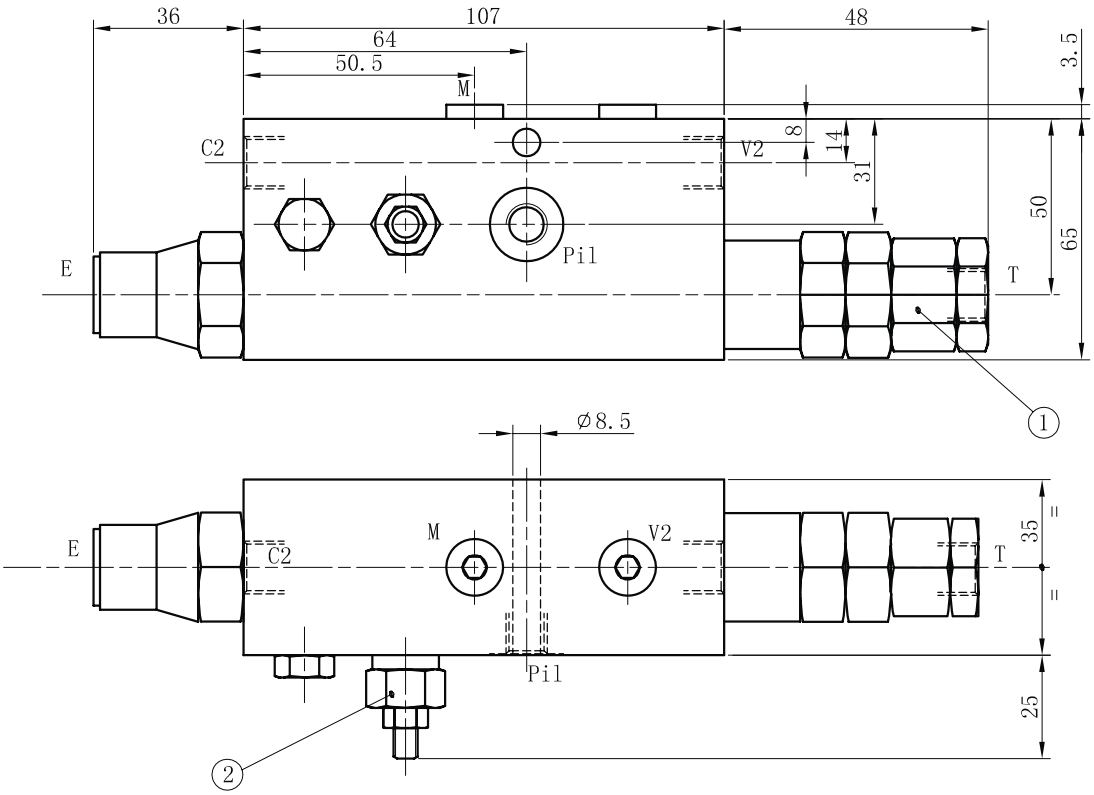




Technical Data

Max. Operating pressure:420 bar (6000 psi)
Max. Flow: 40 l/min (11 gpm)
Steel body

Installation Dimensions

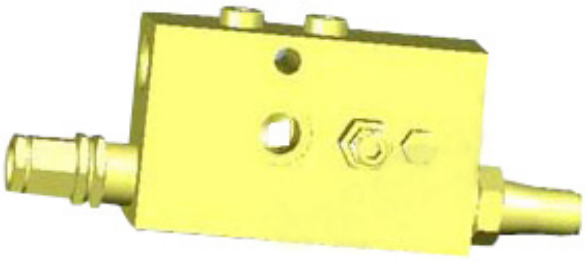


	SPRINGS		
	Adj. Press range bar (psi)	Pres.increase bar/turn (psi/turn)	Std.setting bar(psi)
Valve 1	7–19.5 (100–280)	3(44)	7.5(109) “cracking”
Valve 2	350–460 (5000–6600)	228(3306)	350(5000) “5 l/min”

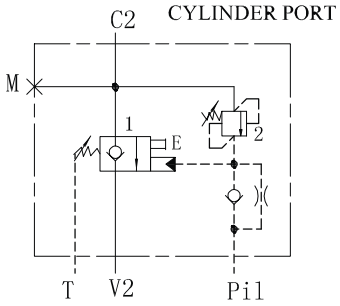
PORT SIZE			
V2–C2	Pil	T	M
G3/8	G1/4	G1/4	G1/8

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HBV-78-SX VALVE



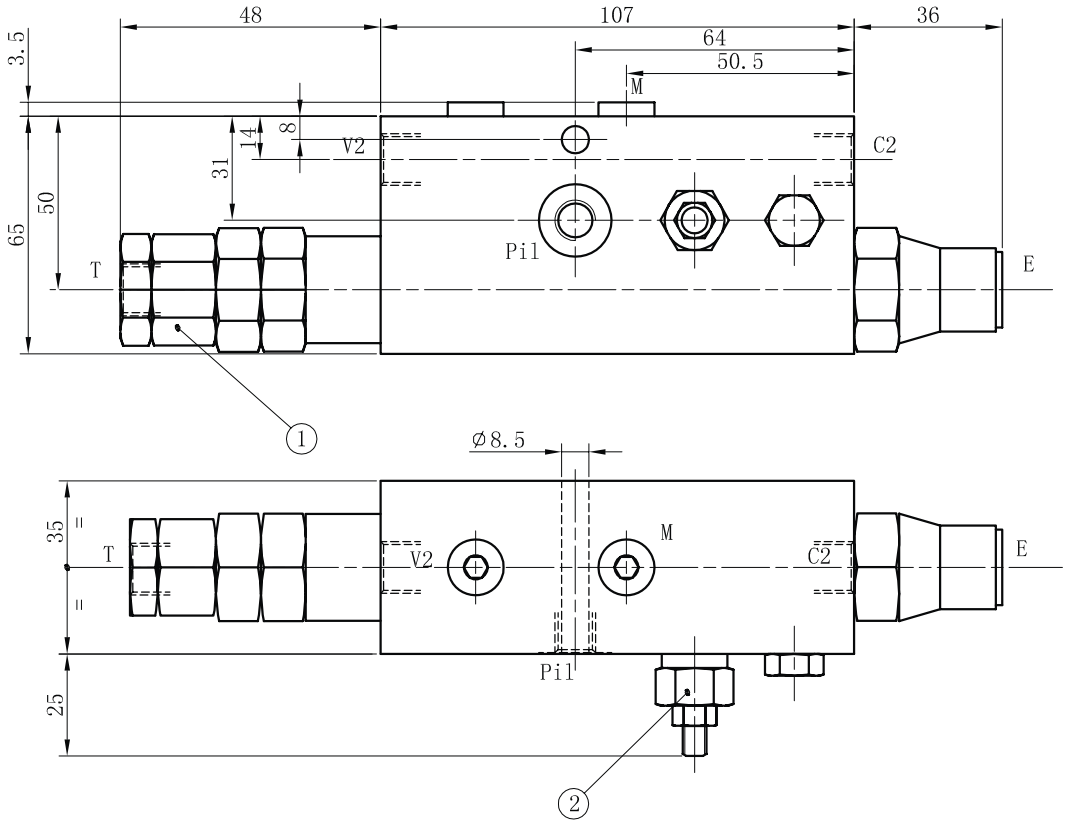
Upstream flow (V2-C2) to the cylinder is free through a check valve, and reverse flow (C2-V2) is locked/metered by a leak free spool (1) which provides fine metering in the initial opening stroke, The spool normally held closed by an adjustable spring force, is remotely controlled by joystick pilot pressure; the pilot pressure required to move the spool is load independent because the spring is vented to Tank ,The valve includes a small relief cartridge (2) which senses C2 pressure and opens under overload or shock conditions in order to pilot wide open the metering spool and to allow cylinder pressure to be relieved downstream through the main hose (V2) and through the main control valve.



Technical Data

Max. Operating pressure:420 bar (6000 psi)
Max. Flow: 40 l/min (11 gpm)
Steel body

Installation Dimensions

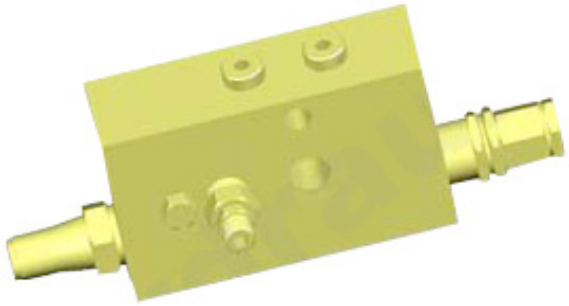


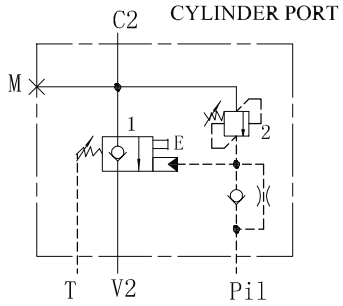
	SPRINGS		
	Adj. Press range bar (psi)	Pres.increase bar/turn (psi/turn)	Std.setting bar(psi)
Valve 1	7–19.5 (100–280)	3(44)	7.5(109) “cracking”
Valve 2	350–460 (5000–6600)	228(3306)	350(5000) “5 l/min”

PORT SIZE			
V2–C2	Pil	T	M
G3/8	G1/4	G1/4	G1/8

HBV-90-DX VALVE

Upstream flow (V2-C2) to the cylinder is free through a check valve, and reverse flow (C2-V2) is locked/metered by a leak free spool (1) which provides fine metering in the initial opening stroke, The spool normally held closed by an adjustable spring force, is remotely controlled by joystick pilot pressure; the pilot pressure required to move the spool is load independent because the spring is vented to Tank ,The valve includes a small relief cartridge (2) which senses C2 pressure and opens under overload or shock conditions in order to pilot wide open the metering spool and to allow cylinder pressure to be relieved downstream through the main hose (V2) and through the main control valve.

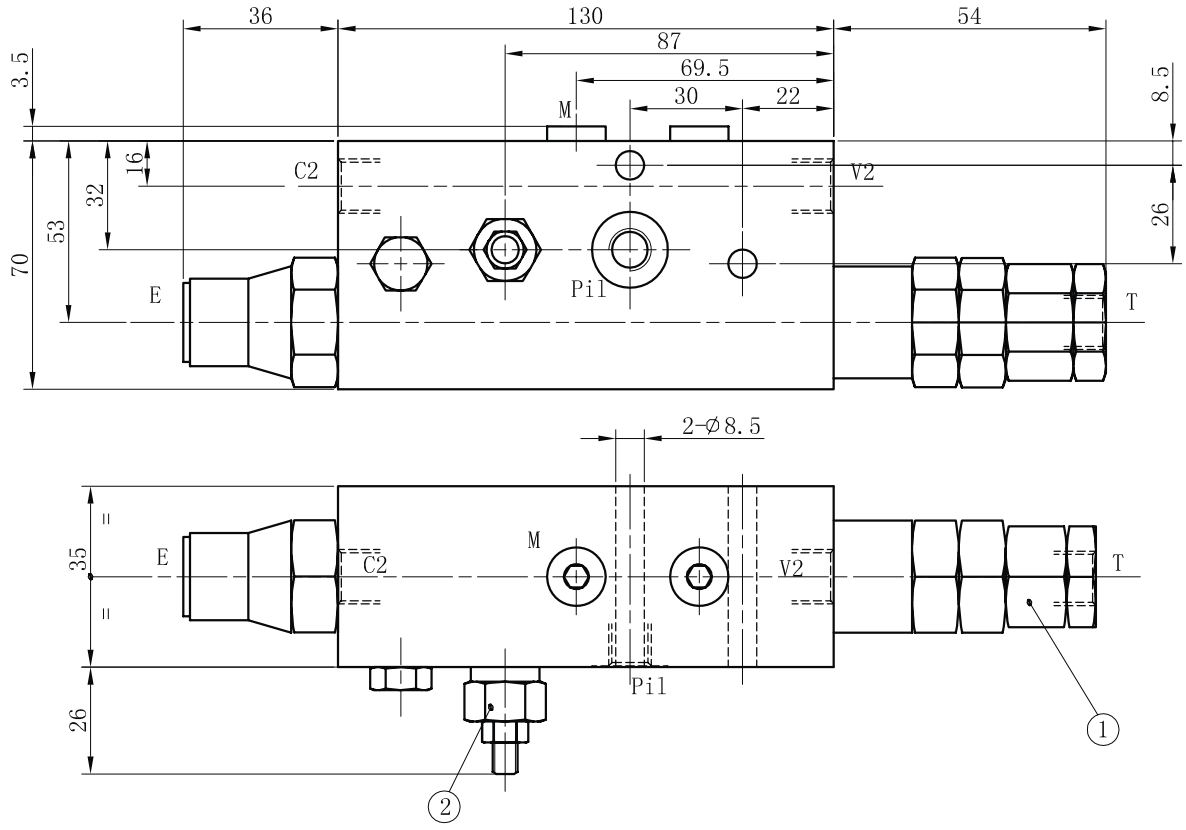




Technical Data

Max. Operating pressure:420 bar (6000 psi)
Max. Flow: 100 l/min (26 gpm)
Steel body

Installation Dimensions

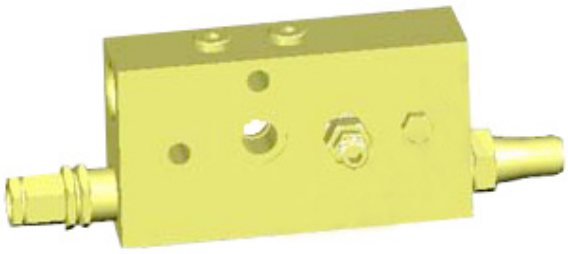


	SPRINGS		
	Adj. Press range bar (psi)	Pres.increase bar/turn (psi/turn)	Std.setting bar(psi)
Valve 1	3—15 (45—200)	4(58)	7.5(109) “cracking”
Valve 2	350–460 (5000–6600)	228(3306)	350(5000) “5 l/min”

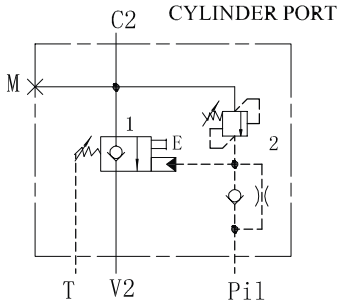
PORT SIZE			
V2–C2	Pil	T	M
G 1/2	G 1/4	G 1/4	G 1/8

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HBV-90-SX VALVE



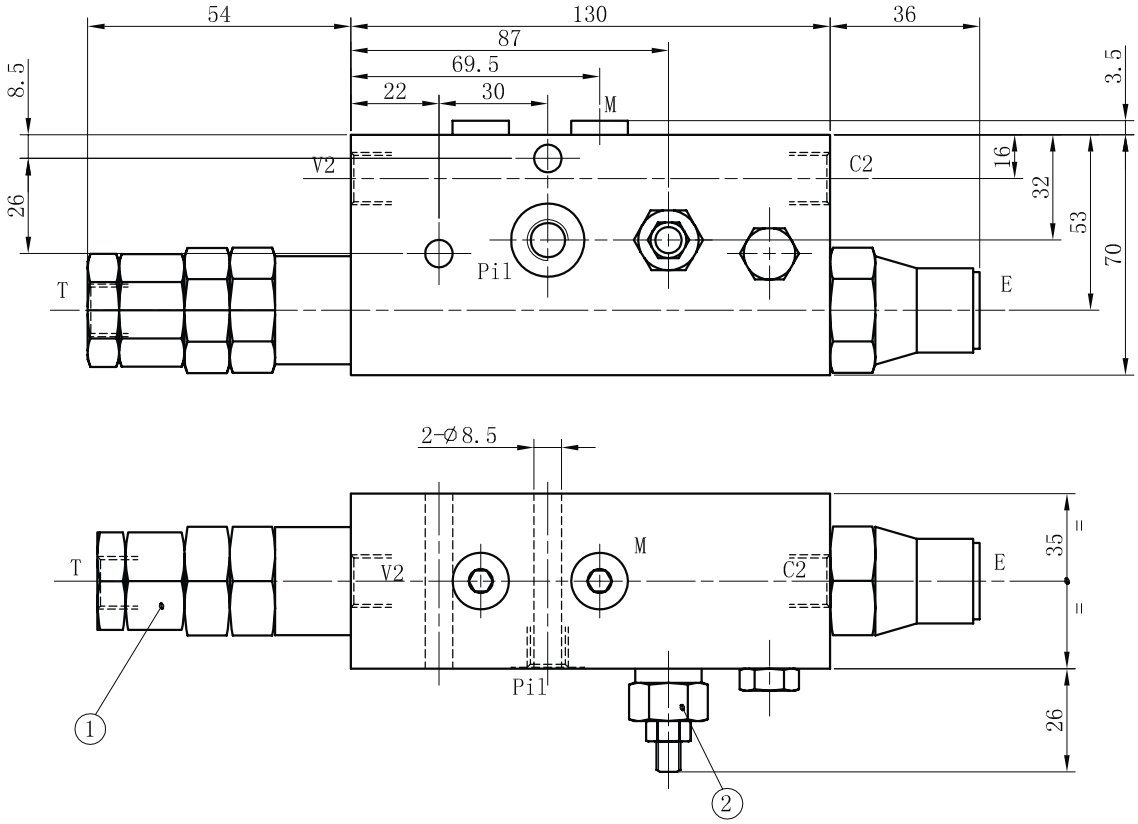
Upstream flow (V2-C2) to the cylinder is free through a check valve, and reverse flow (C2-V2) is locked/metered by a leak free spool (1) which provides fine metering in the initial opening stroke, The spool normally held closed by an adjustable spring force, is remotely controlled by joystick pilot pressure; the pilot pressure required to move the spool is load independent because the spring is vented to Tank ,The valve includes a small relief cartridge (2) which senses C2 pressure and opens under overload or shock conditions in order to pilot wide open the metering spool and to allow cylinder pressure to be relieved downstream through the main hose (V2) and through the main control valve.



Technical Data

Max. Operating pressure:420 bar (6000 psi)
Max. Flow: 100 l/min (26 gpm)
Steel body

Installation Dimensions

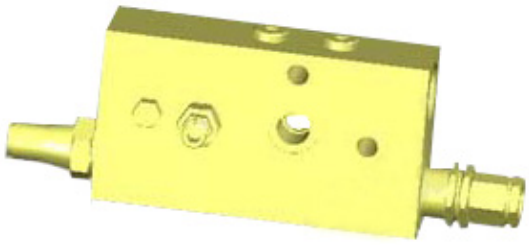


	SPRINGS		
	Adj. Press range bar (psi)	Pres.increase bar/turn (psi/turn)	Std.setting bar(psi)
Valve 1	3—15 (45—200)	4(58)	7.5(109) “cracking”
Valve 2	350—460 (5000—6600)	228(3306)	350(5000) “5 l/min”

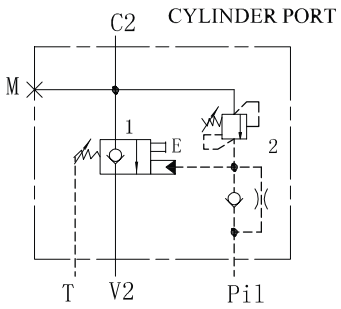
PORT SIZE			
V2–C2	Pil	T	M
G 1/2	G 1/4	G 1/4	G 1/8

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HBV-33-DX VALVE



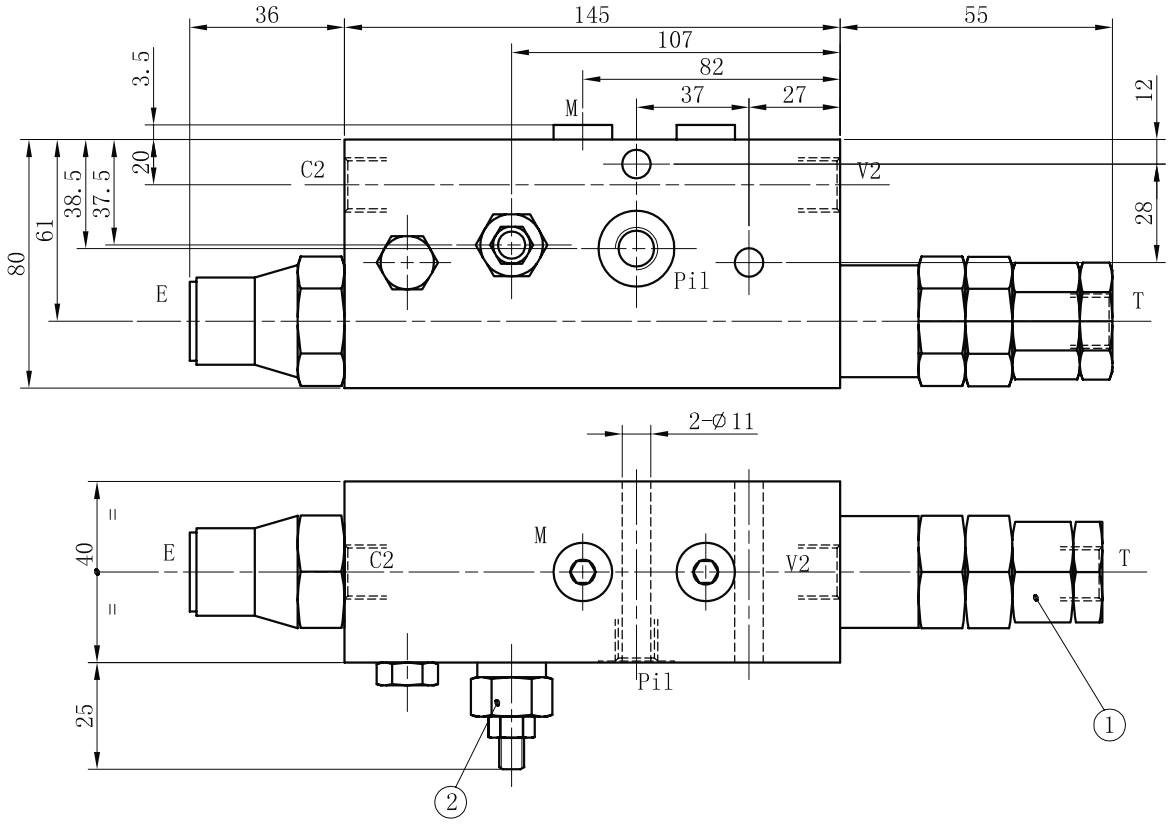
Upstream flow (V2-C2) to the cylinder is free through a check valve, and reverse flow (C2-V2) is locked/metered by a leak free spool (1) which provides fine metering in the initial opening stroke, The spool normally held closed by an adjustable spring force, is remotely controlled by joystick pilot pressure; the pilot pressure required to move the spool is load independent because the spring is vented to Tank ,The valve includes a small relief cartridge (2) which senses C2 pressure and opens under overload or shock conditions in order to pilot wide open the metering spool and to allow cylinder pressure to be relieved downstream through the main hose (V2) and through the main control valve.



Technical Data

Max. Operating pressure:420 bar (6000 psi)
Max. Flow: 150 l/min (40 gpm)
Steel body

Installation Dimensions

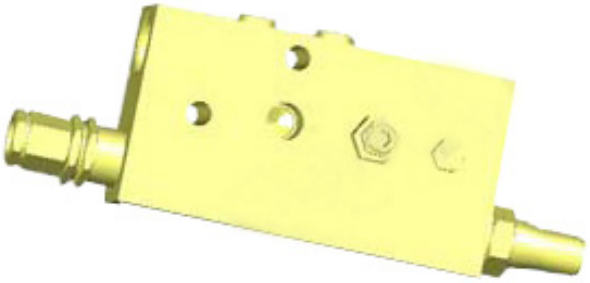


	SPRINGS		
	Adj. Press range bar (psi)	Pres.increase bar/turn (psi/turn)	Std.setting bar(psi)
Valve 1	7—20 (102—290)	3.5(51)	7.5(109) “cracking”
Valve 2	350—460 (5000—6600)	228(3306)	350(5000) “5 l/min”

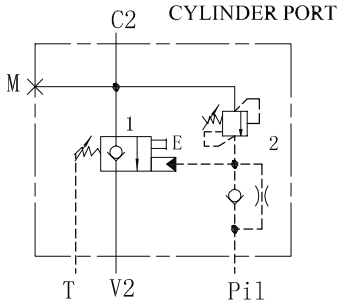
PORT SIZE	
V2–C2	Pil–T
G 3/4	G 1/4

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HBV-33-SX VALVE



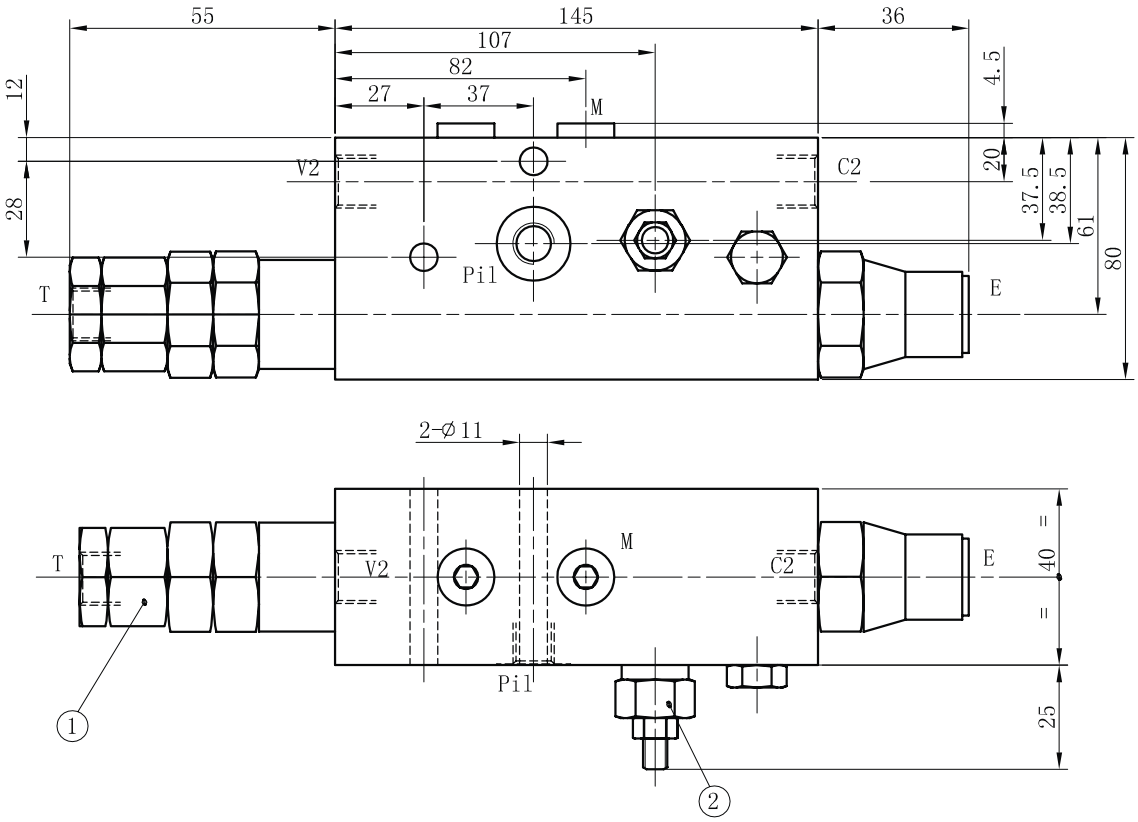
Upstream flow (V2-C2) to the cylinder is free through a check valve, and reverse flow (C2-V2) is locked/metered by a leak free spool (1) which provides fine metering in the initial opening stroke, The spool normally held closed by an adjustable spring force, is remotely controlled by joystick pilot pressure; the pilot pressure required to move the spool is load independent because the spring is vented to Tank ,The valve includes a small relief cartridge (2) which senses C2 pressure and opens under overload or shock conditions in order to pilot wide open the metering spool and to allow cylinder pressure to be relieved downstream through the main hose (V2) and through the main control valve.



Technical Data

Max. Operating pressure:420 bar (6000 psi)
Max. Flow: 150 l/min (40 gpm)
Steel body

Installation Dimensions



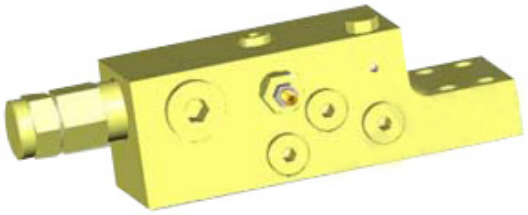
	SPRINGS		
	Adj. Press range bar (psi)	Pres.increase bar/turn (psi/turn)	Std.setting bar(psi)
Valve 1	7—20 (102—290)	3.5(51)	7.5(109) “cracking”
Valve 2	350—460 (5000—6600)	228(3306)	350(5000) “5 l/min”

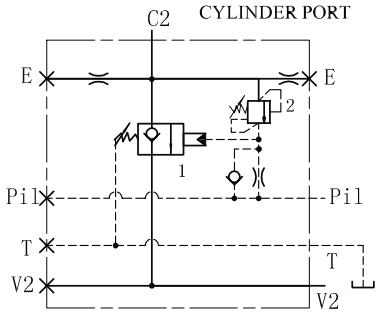
PORT SIZE	
V2–C2	Pil–T
G 3/4	G 1/4

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HBV-90-FC VALVE

Upstream flow (V2-C2) to the cylinder is free through a check valve, and reverse flow (C2-V2) is locked/metered by a leak free spool (1) which provides fine metering in the initial opening stroke, The spool normally held closed by an adjustable spring force, is remotely controlled by joystick pilot pressure; the pilot pressure required to move the spool is load independent because the spring is vented to Tank ,The valve includes a small relief cartridge (2) which senses C2 pressure and opens under overload or shock conditions in order to pilot wide open the metering spool and to allow cylinder pressure to be relieved downstream through the main hose (V2) and through the main control valve.

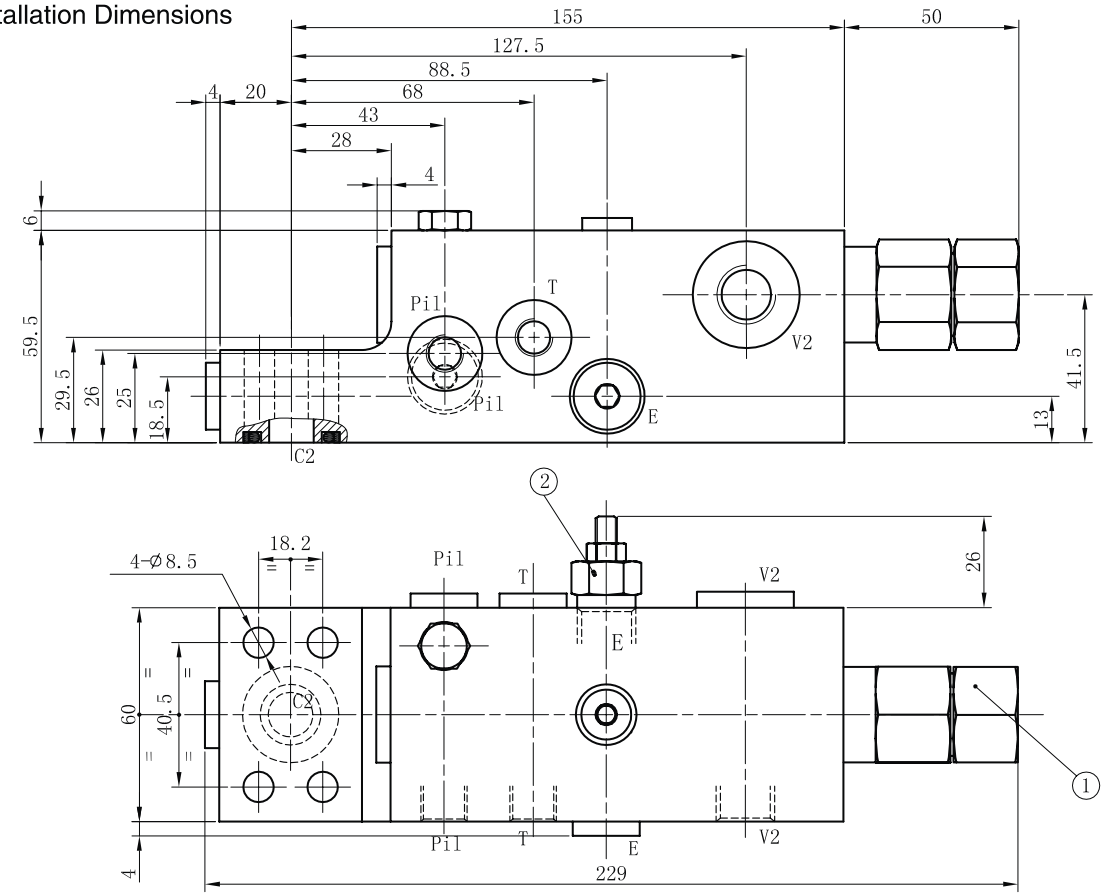




Technical Data

Max. Operating pressure:420 bar (6000 psi)
Max. Flow: 120 l/min (32 gpm)
Steel body

Installation Dimensions



	SPRINGS		
	Adj. Press range bar (psi)	Pres.increase bar/turn (psi/turn)	Std.setting bar(psi)
Valve 1	3—15 (45—220)	4(58)	7.5(109) “cracking”
Valve 2	350—460 (5000—6600)	228(3306)	350(5000) “5 l/min”

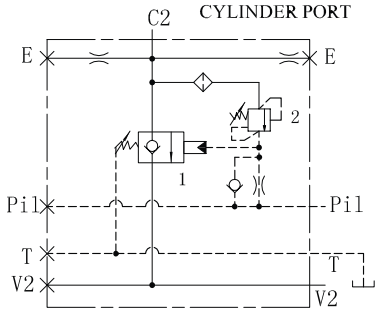
PORT SIZE		
V2	C2	E–Pil–T
G 1/2	1/2"SAE 6000	G1/4

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HBV-33-FC VALVE



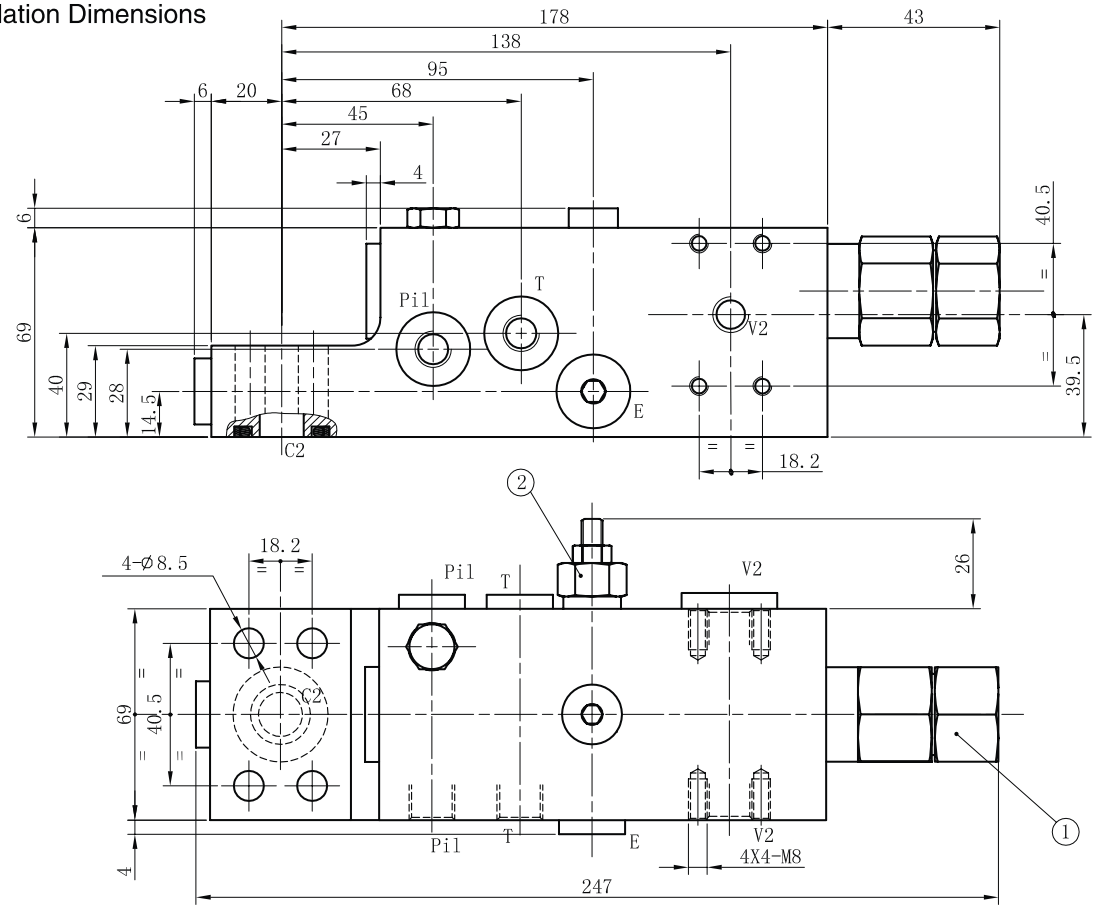
Upstream flow (V2-C2) to the cylinder is free through a check valve, and reverse flow (C2-V2) is locked/metered by a leak free spool (1) which provides fine metering in the initial opening stroke, The spool normally held closed by an adjustable spring force, is remotely controlled by joystick pilot pressure; the pilot pressure required to move the spool is load independent because the spring is vented to Tank ,The valve includes a small relief cartridge (2) which senses C2 pressure and opens under overload or shock conditions in order to pilot wide open the metering spool and to allow cylinder pressure to be relieved downstream through the main hose (V2) and through the main control valve.



Technical Data

Max. Operating pressure:420 bar (6000 psi)
Max. Flow: 150 l/min (40 gpm)
Steel body

Installation Dimensions

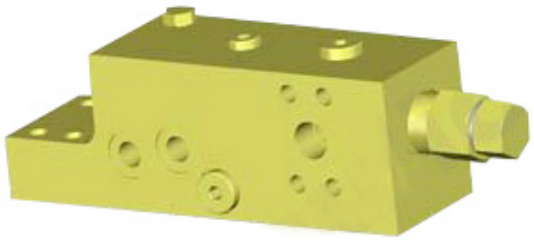


	SPRINGS		
	Adj. Press range bar (psi)	Pres.increase bar/turn (psi/turn)	Std.setting bar(psi)
Valve 1	3—15 (45—220)	5(73)	7.5(109) "cracking"
Valve 2	350—460 (5000—6600)	228(3306)	350(5000) "5 l/min"

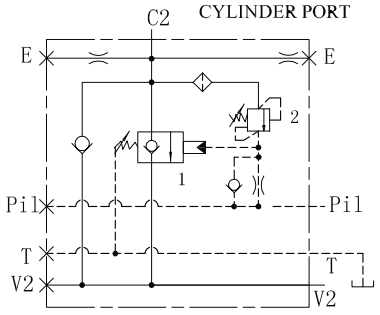
PORT SIZE	
V2–C2	E–Pil–T
1" SAE 6000	G 1/4

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HBV-34-FHC VALVE



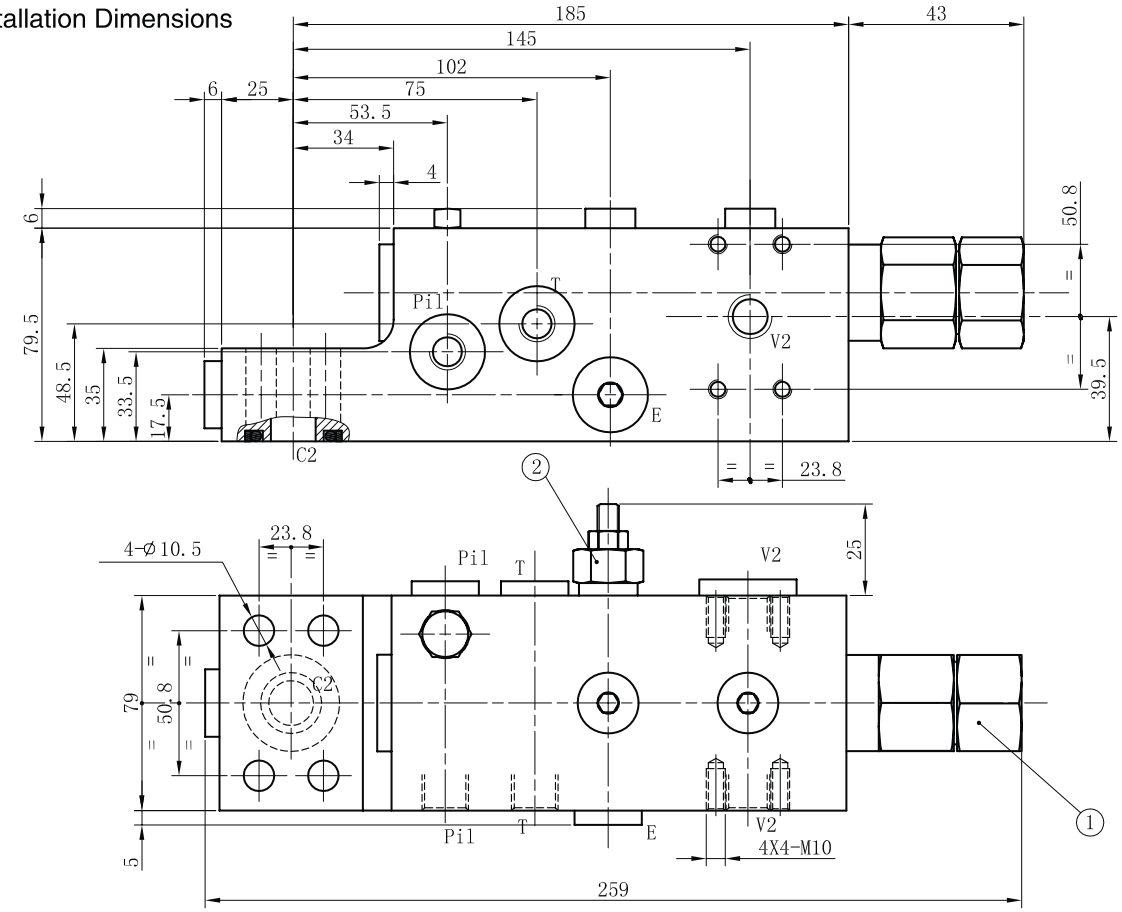
Upstream flow (V2-C2) to the cylinder is free through a check valve, and reverse flow (C2-V2) is locked/metered by a leak free spool (1) which provides fine metering in the initial opening stroke, The spool normally held closed by an adjustable spring force, is remotely controlled by joystick pilot pressure; the pilot pressure required to move the spool is load independent because the spring is vented to Tank ,The valve includes a small relief cartridge (2) which senses C2 pressure and opens under overload or shock conditions in order to pilot wide open the metering spool and to allow cylinder pressure to be relieved downstream through the main hose (V2) and through the main control valve.



Technical Data

Max. Operating pressure:420 bar (6000 psi)
Max. Flow: 250 l/min (66 gpm)
Steel body

Installation Dimensions

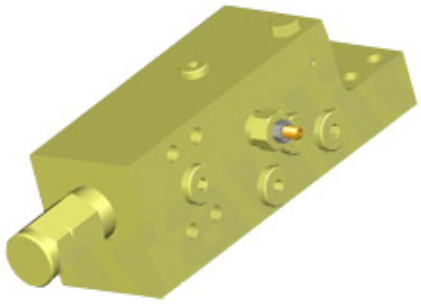


	SPRINGS		
	Adj. Press range bar (psi)	Pres.increase bar/turn (psi/turn)	Std.setting bar(psi)
Valve 1	3—15 (45—220)	5 (73)	7.5(109) “cracking”
Valve 2	350—460 (5000—6600)	228(3306)	350(5000) “5 l/min”

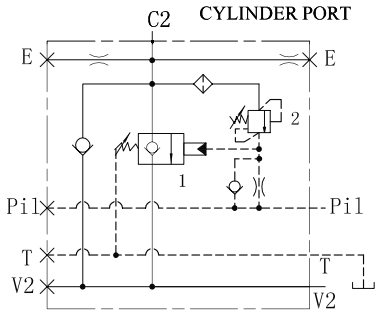
PORT SIZE	
V2–C2	E–Pil–T
3/4" SAE 6000	G 1/4

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HBV-42-FC VALVE



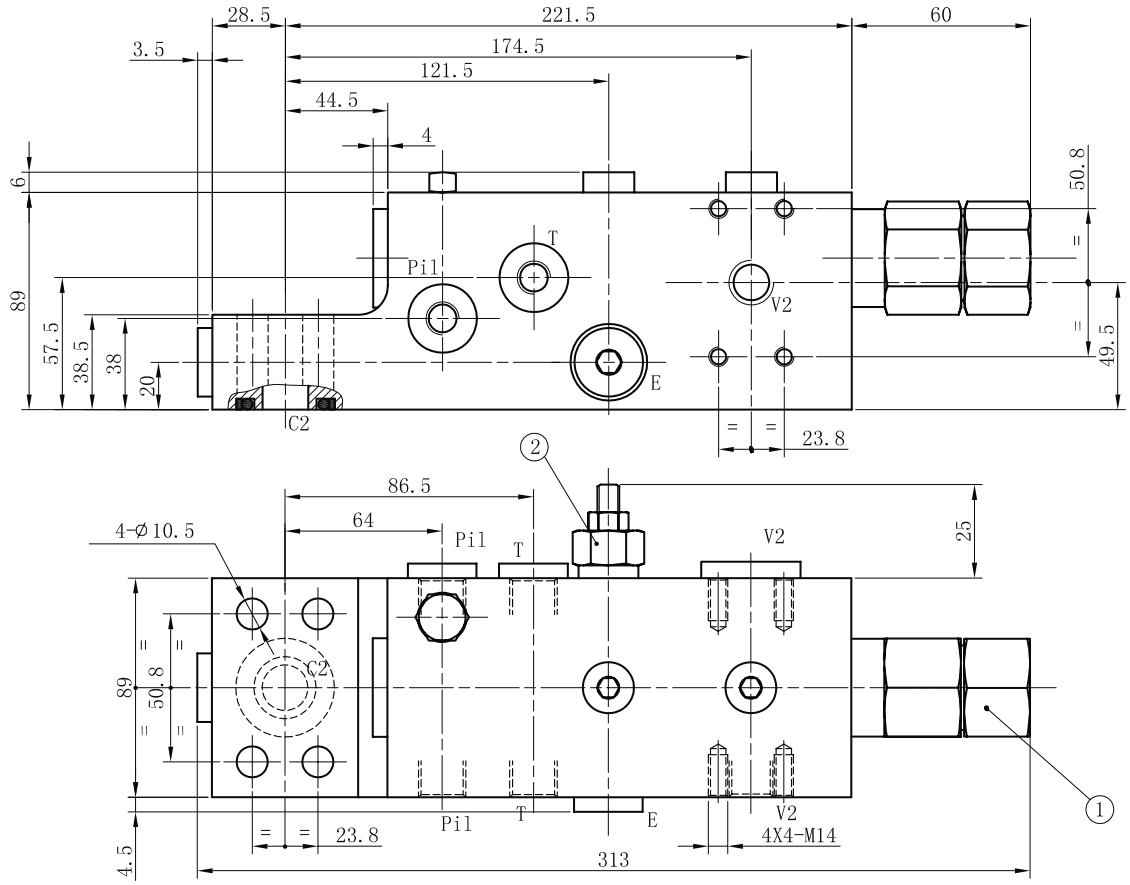
Upstream flow (V2-C2) to the cylinder is free through a check valve, and reverse flow (C2-V2) is locked/metered by a leak free spool (1) which provides fine metering in the initial opening stroke, The spool normally held closed by an adjustable spring force, is remotely controlled by joystick pilot pressure; the pilot pressure required to move the spool is load independent because the spring is vented to Tank ,The valve includes a small relief cartridge (2) which senses C2 pressure and opens under overload or shock conditions in order to pilot wide open the metering spool and to allow cylinder pressure to be relieved downstream through the main hose (V2) and through the main control valve.



Technical Data

Max. Operating pressure:420 bar (6000 psi)
Max. Flow: 350 l/min (93 gpm)
Steel body

Installation Dimensions



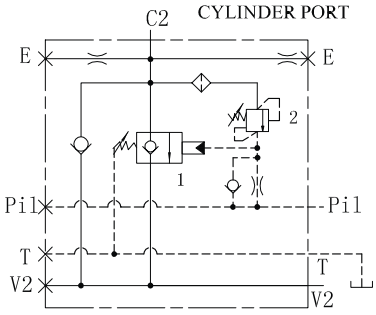
	SPRINGS		
	Adj. Press range bar (psi)	Pres.increase bar/turn (psi/turn)	Std.setting bar(psi)
Valve 1	3—15 (45—220)	3.5(51)	7.5(109) “cracking”
Valve 2	350—460 (5000—6600)	228(3306)	350(5000) “5 l/min”

PORT SIZE	
V2–C2	E–Pil–T
3/4" SAE 6000	G 1/4

HBV-43-FC VALVE



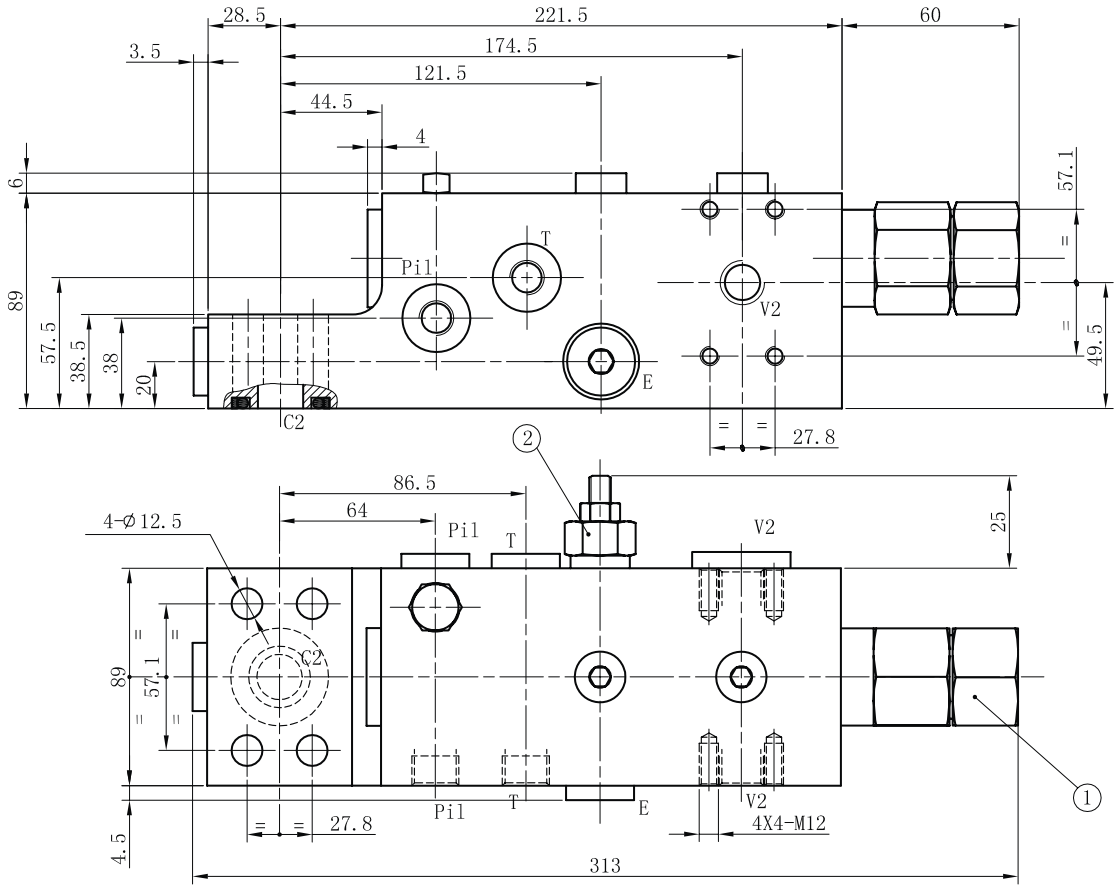
Upstream flow (V2-C2) to the cylinder is free through a check valve, and reverse flow (C2-V2) is locked/metered by a leak free spool (1) which provides fine metering in the initial opening stroke, The spool normally held closed by an adjustable spring force, is remotely controlled by joystick pilot pressure; the pilot pressure required to move the spool is load independent because the spring is vented to Tank ,The valve includes a small relief cartridge (2) which senses C2 pressure and opens under overload or shock conditions in order to pilot wide open the metering spool and to allow cylinder pressure to be relieved downstream through the main hose (V2) and through the main control valve.



Technical Data

Max. Operating pressure:420 bar (6000 psi)
Max. Flow: 400 l/min (106 gpm)
Steel body

Installation Dimensions

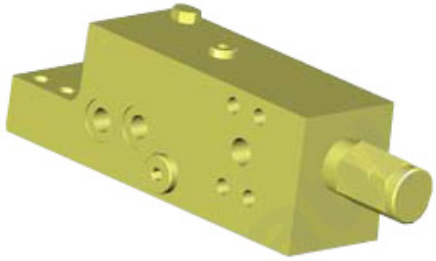


	SPRINGS		
	Adj. Press range bar (psi)	Pres.increase bar/turn (psi/turn)	Std.setting bar(psi)
Valve 1	3—15 (45—220)	3.5(51)	7.5(109) "cracking"
Valve 2	350—460 (5000—6600)	228(3306)	350(5000) "5 l/min"

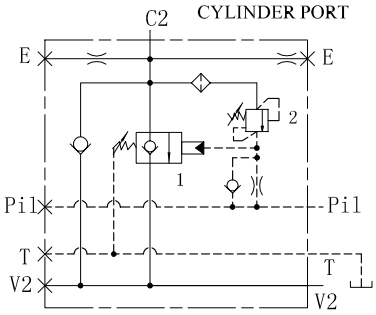
PORT SIZE	
V2–C2	E–Pil–T
1" SAE 6000	G 1/4

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HBV-44-FC VALVE



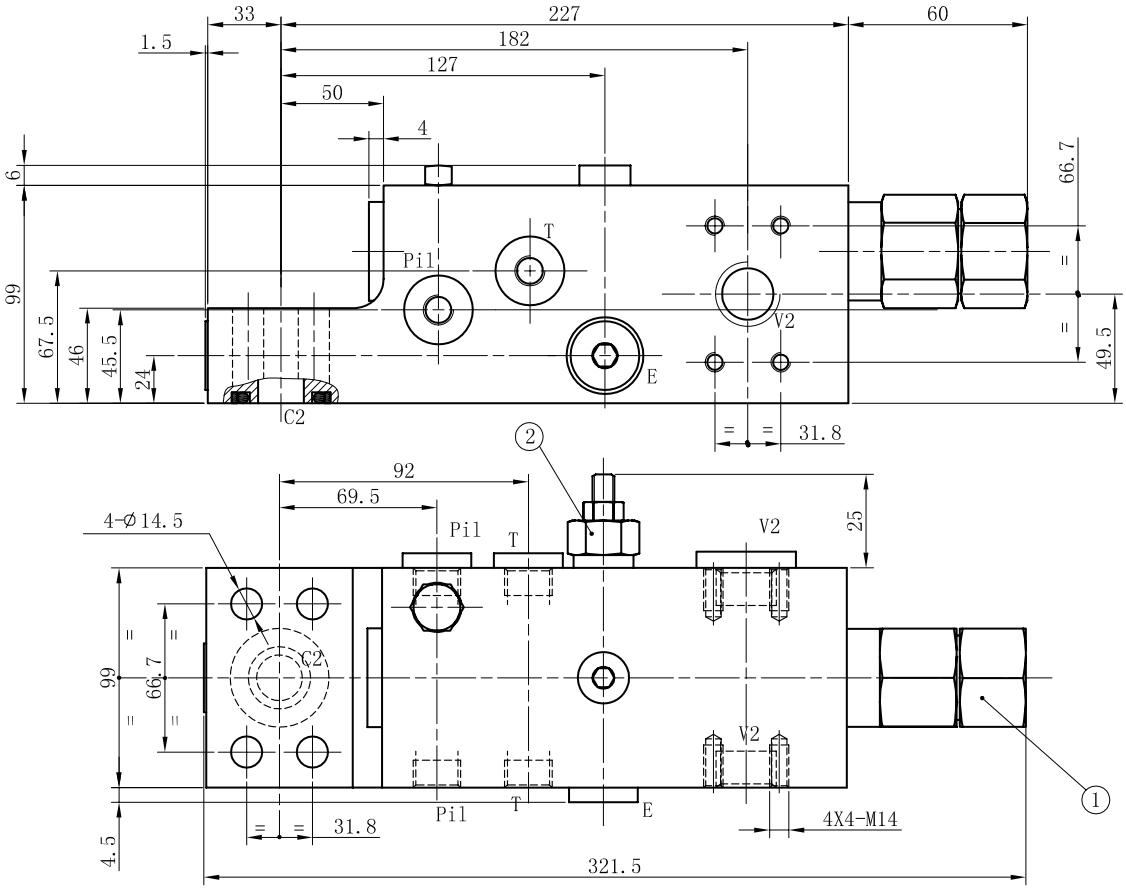
Upstream flow (V2-C2) to the cylinder is free through a check valve, and reverse flow (C2-V2) is locked/metered by a leak free spool (1) which provides fine metering in the initial opening stroke, The spool normally held closed by an adjustable spring force, is remotely controlled by joystick pilot pressure; the pilot pressure required to move the spool is load independent because the spring is vented to Tank ,The valve includes a small relief cartridge (2) which senses C2 pressure and opens under overload or shock conditions in order to pilot wide open the metering spool and to allow cylinder pressure to be relieved downstream through the main hose (V2) and through the main control valve.



Technical Data

Max. Operating pressure:420 bar (6000 psi)
Max. Flow: 500 l/min (132 gpm)
Steel body

Installation Dimensions



	SPRINGS		
	Adj. Press range bar (psi)	Pres.increase bar/turn (psi/turn)	Std.setting bar(psi)
Valve 1	3—15 (45—220)	3.5(51)	7.5(109) “cracking”
Valve 2	350—460 (5000—6600)	228(3306)	350(5000) “5 l/min”

PORT SIZE	
V2–C2	E–Pil–T
1 1/4" SAE 6000	G 1/4

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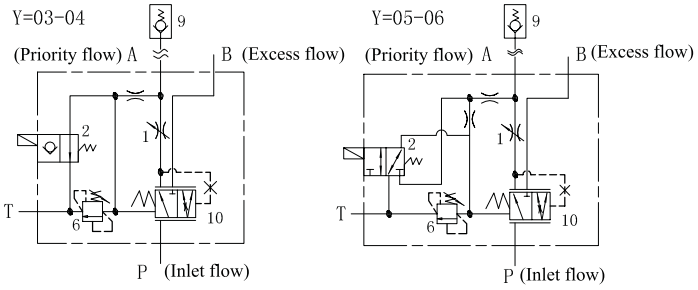
PFC-Y-Z PRIORITY FLOW CONTROL VALVE



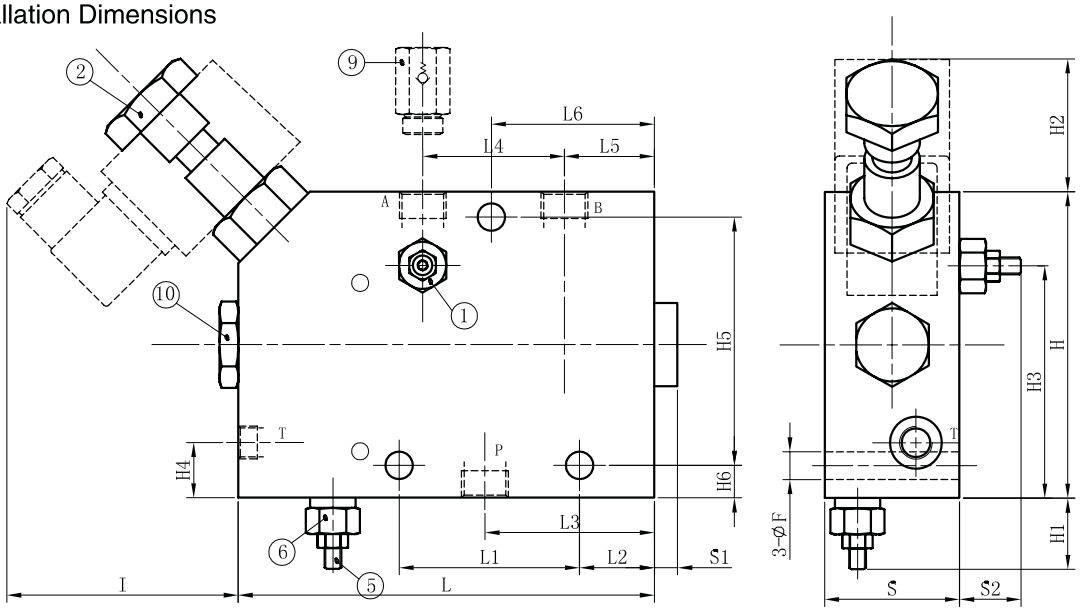
PFC-Y-Z priority flow control valve can supply a priority pressure compensated flow on demand (normally controlled by a switch), and it incorporate a pressure relief control for the priority outlet.
It's fitted to existing hydraulic systems to power additional hydraulic tools or attachments with a constant pressure compensated flow(ex:hydraulic hammers)

Technical data

Max. Operating pressure: 350 bar (5000 psi)	
Max. Priority line pressure: limited by relief valve (6) (see table "Z")	
Back pressure at T port : max 1.5 bar (20 psi)	
Drain from T, with solenoid valve non–energized:	up to 1.5 l/min
	(up to 0.4 gpm)
Steel body	



Installation Dimensions



S2	S1	S	L6	L5	L4	L3	L2	L1	L	I	H6	H5	H4	H3	H2	H1	H	F	Y
32	5	70	86	54.5	62.5	88.5	48	76	190	68	18	90	14	92	41	34	130	9	G 1–1/4
32	5	60	74.5	46.5	56.5	78	36.5	76	173	68	15	90	13.5	80.5	41	34	120	9	G 1
32	5	50	59	37	44	61	34	50	140	73	13.5	73	13	69.5	41	34	100	9	G 3/4
32	5	40	54.5	35.5	38	56.5	29.5	50	130	76	8.5	73	12.5	60	41	34	90	8.5	G 1/2

Y	PORT SIZE		INLET FLOW (max)	REGULATED PRIORITY FLOW	
	P–A–B	T	l/min (gpm)	l/min (gpm) max	l/min (gpm) per turn
03	G 1/2	G 1/4	100(26)	85(23)	approx.18(4.8)
04	G 3/4	G 1/4	200(53)	140(37)	approx.20(5.3)
05	G 1	G 1/4	300(79)	220(58)	approx.26(6.9)
06	G1–1/4	G 1/4	400(106)	300(80)	approx.28(7.4)

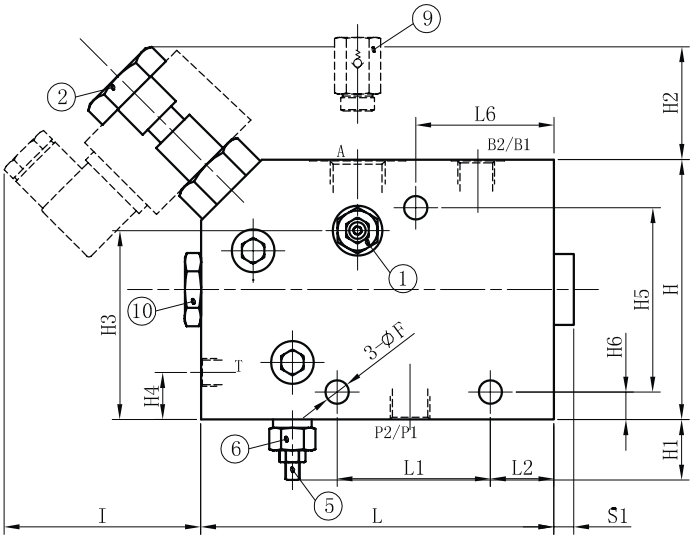
Z	PRIORITY PRESSURE RANGE		
	Adj. Press. range bar (psi)	Press. Increase bar (psi) turn	Std setting bar (psi)
20	50–210 (725–3000)	48 (696)	200 (2900)
35	100–350 (1450–5000)	95 (1378)	350 (5000)

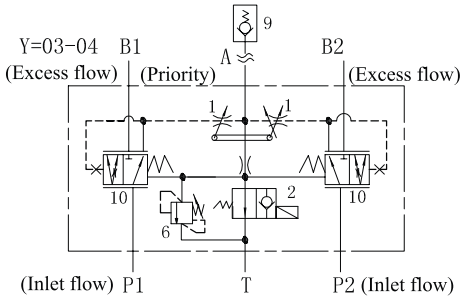
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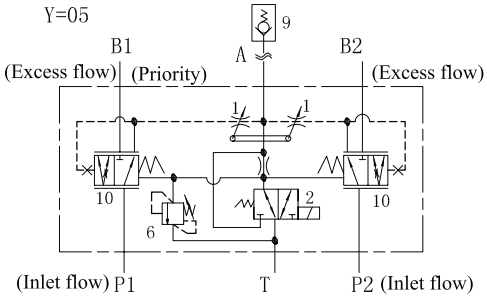
PFCC-Y-Z PRIORITY FLOW CONTROL VALVE

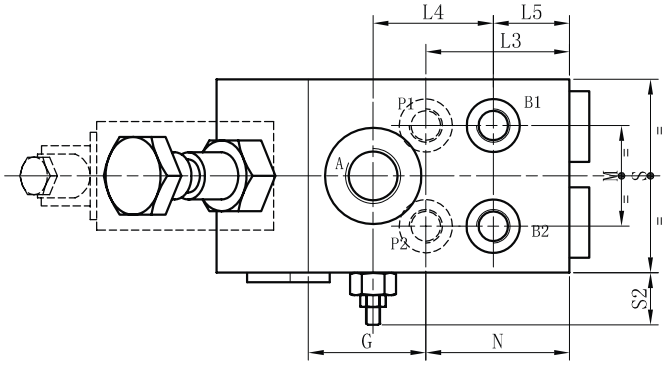
PFCC-Y-Z priority flow control valves are 6 way,with two separate inlets :P1 and P2",and three outlets "A" and "B1" and "B2".It can supply a constant pressure compensated priority flow to "A"through "P1" and "P2", It's fitted to existing hydraulic systems to power additional hydraulic tools or attachments with a constant pressure compensated flow(ex:hydraulic hammers)











Technical data

Max. Operating pressure: 350 bar (5000 psi)	
Max. Priority line pressure: limited by relief valve (6) (see table "Z")	
Back pressure at T port : max 1.5 bar (20 psi)	
Drain from T, with solenoid valve non–energized:	up to 1.5 l/min (up to 0.4 gpm)
Steel body	

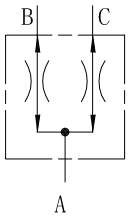
S2	S1	S	L6	L5	L4	L3	L2	L1	L	I	H6	H5	H4	H3	H2	H1	H	F	G	M	N	Y
21	4.5	109	70.5	42	61	78	32.5	76	173	73	14.5	90	16.5	80	38	34	139	9	41	56	103	G 1
21	4.5	89	59	34	47	61	34	50	140	73	17.5	73	16.5	73.5	38	34	124	9	29	46	81	G 3/4
21	4.5	69	53.5	38	35.5	56.5	28.5	50	129.5	73	8.5	63	13.5	60	38	34	100	9	26	33	73.5	G 1/2

Y	PORT SIZE			INLET FLOW (max)		REGULATED PRIORITY FLOW	
	P1–P2 B1–B2	A	T	l/min (gpm) P1	l/min (gpm) P2	l/min (gpm) max	l/min (gpm) per turn
03	G 1/2	G 3/4	G 1/4	100(26)	100(26)	150 (40)	approx.32 (8.45)
04	G 3/4	G 1	G 1/4	200(53)	200(53)	250 (65)	approx.35 (9.25)
05	G 1	G 1–1/4	G 1/4	300(79)	300(79)	390 (103)	approx.46 (12.15)

Z	PRIORITY PRESSURE RANGE		
	Adj. Press. range bar (psi)	Press. Increase bar (psi) turn	Std setting bar (psi)
20	50–210 (725–3000)	48 (696)	200 (2900)
35	100–350 (1450–5000)	95 (1378)	350 (5000)

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DTP SERIES FLOW DIVIDER TYPE





The flow divider DTP has two function, dividing and combining of fluid flow, The regulator divides the fluid flow in the direction from A to B and C, and combines flows in the direction from B and C to A, The dividing / combining ratio is 50% :50%, independent of pressure in respective pipeline, B or C.

DTP — — — — — *

Size 6 = 6; 10 = 10

Flow rate
DTP-6 8 -20 l/min =20
DTP-6 12-35 l/min =35
DTP-6 16-50 l/min =50
DTP-10 35-70 l/min =70

Threaded connections
DTP-6 M 18X1.5 =no desig
DTP-6 G 3/8 =G 3/8
DTP-10 M 22X1.5 =M 22
DTP-10 G 1/2 =G 1/2

NBR seals for mineral oil HL, HLP=no desig
FPM seals for HETG, HEES HEPG=E

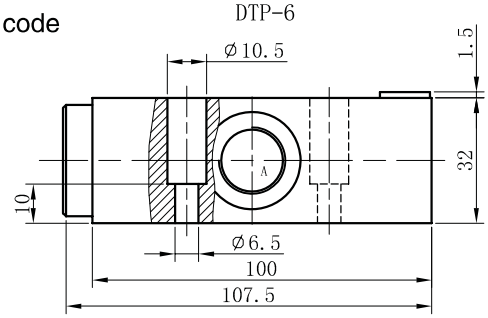
Special requirements to be briefly specilied

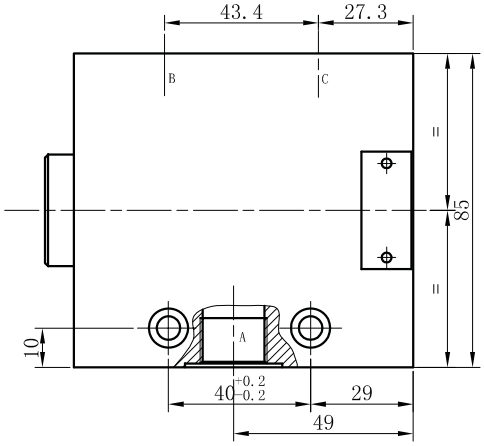
Technical data

		DTP–6–20	DTP–6–35	DTP–6–50	DTP–10–70
Min. Flow rate	l/min	8	12	16	35
Max. Flow rate	l/min	20	35	50	70
Max.pressure range	bar	bar315			
Dividing	%	50:50			
Flow dividing accuracy	%	± 5			
Oil temperature range	℃	–20 to +70			
Viscosity range	mm^2/s	15 to 380			
Filtration	NAS 1638	9			

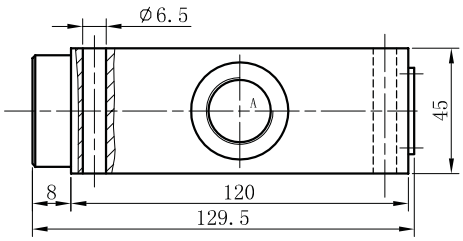
Ordering code

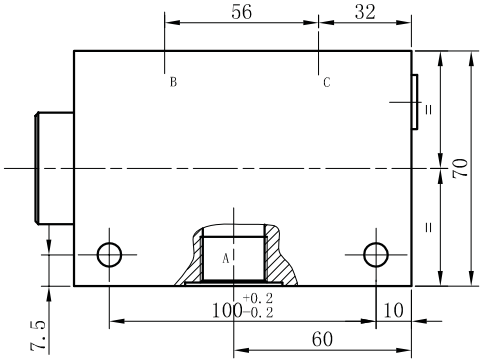
DTP–6





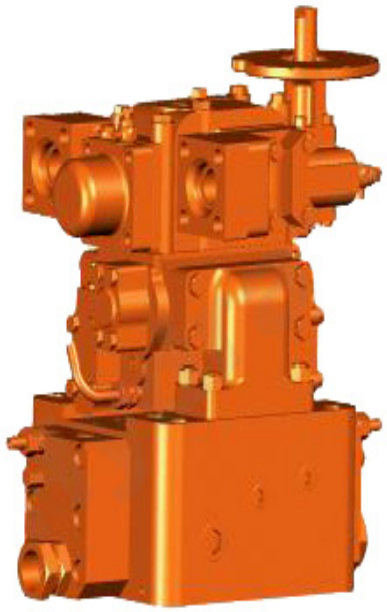
DTP–10





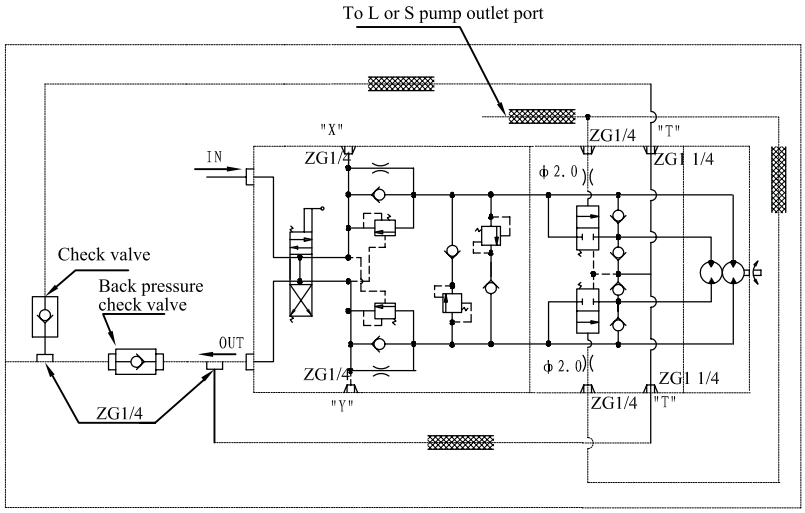
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CONTROLLER OF SLEWING MOTOR

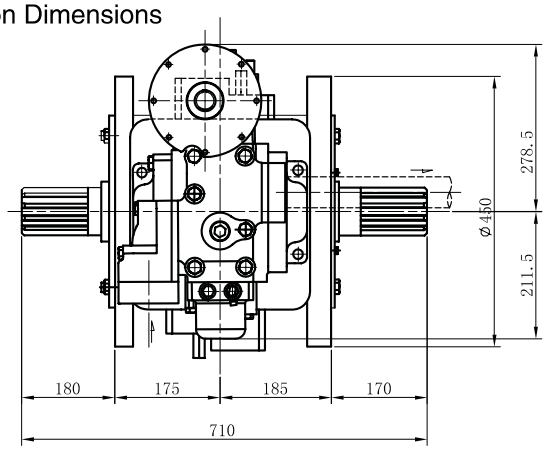


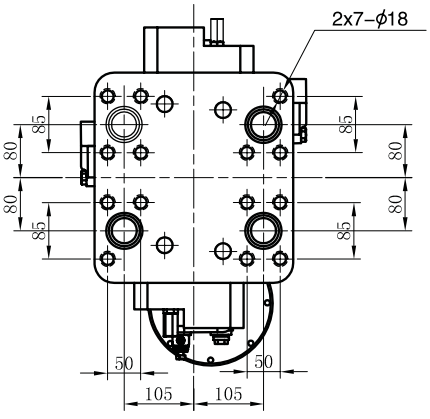
This product is named as “controller of slewing motor” for short, It’s suitable for the control of slewing motor used by the harbor crane , There are two kinds of controller of slewing motor ,one can change the slewing speed automatically according to different loads, the other can't.

Hydraumatic schematic diagram

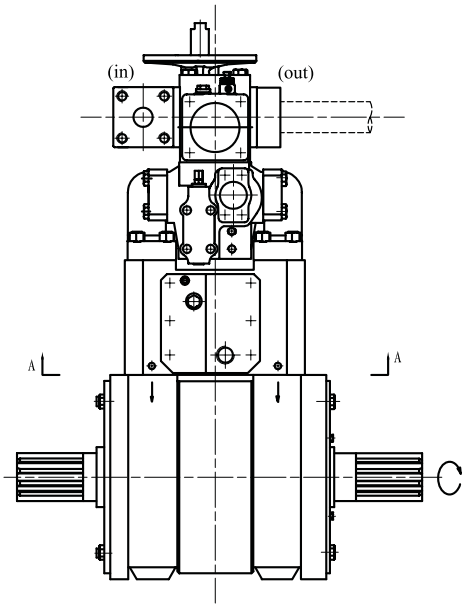


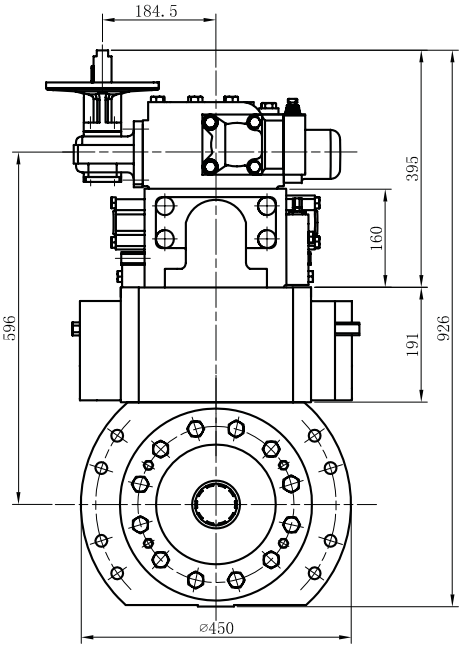
Installtion Dimensions





A–A view



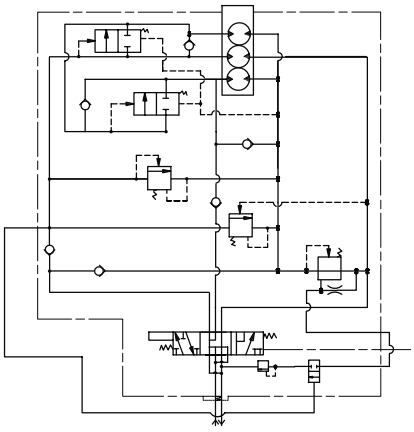


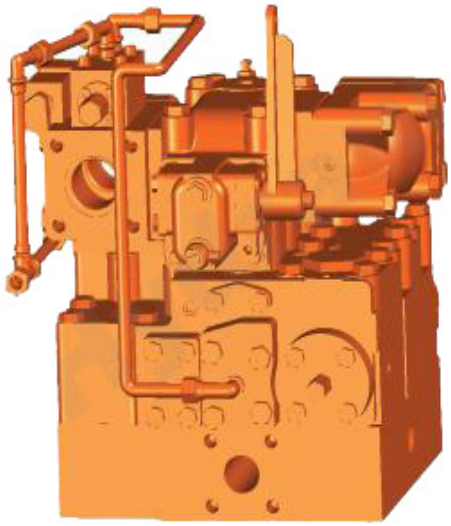
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CONTROLLER OF HOISTING MOTOR

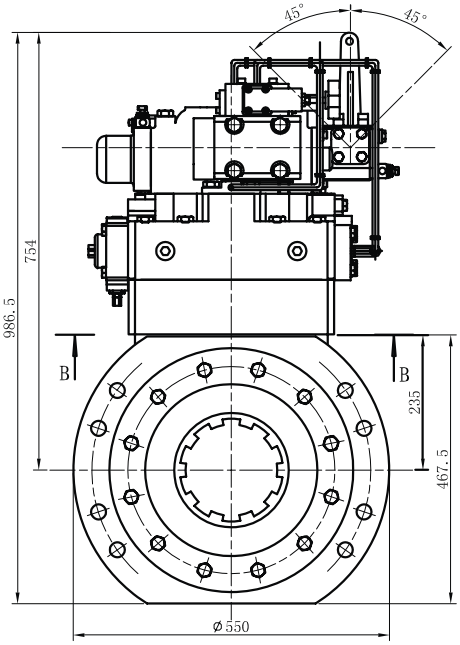
This product is named as “controller of hoisting motor” , It’s suitable for the control of hoisting motor used by the harbor crane.

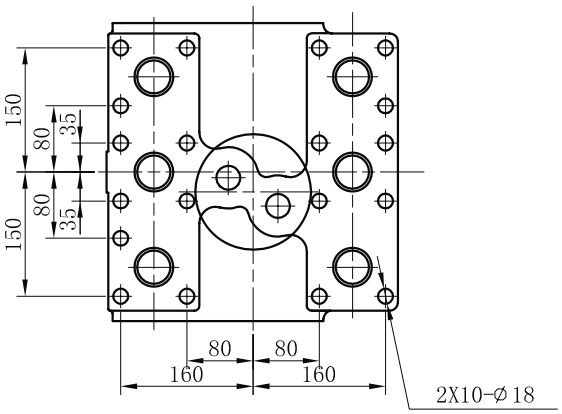
Hy draumatic schematic diagram



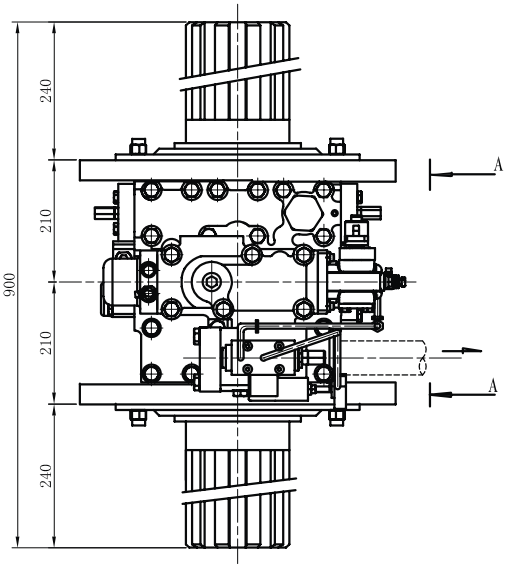


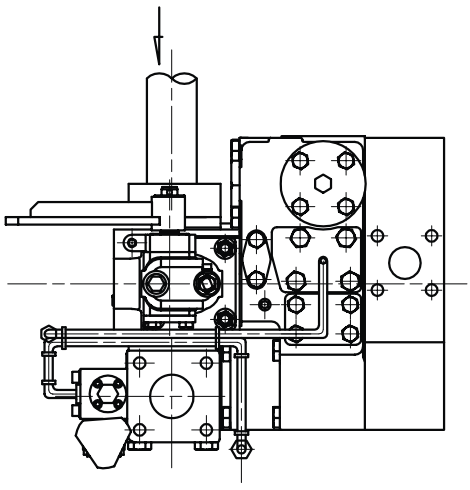
Installtion Dimensions





B-B View





A-A View

Others

HYDRAULIC POWER UNIT

UDS-III Hydraulic power unit

UDS-Hydraulic power units are specially designed for diamond pressing machines, it features the pressure in a hydraulic system will resch 110MPa by turbochargers, thus most hydraulic actuators with proof pressure below 40MPa classes can be used. For low flow rate, the hydraulic power unit can save energy and realize high speed operation if mounted saving-pressure return lines and different-pressure return lines in the system.



GT-30A Hydraulic power unit

GT-30A hydraulic power unit equipped with overseas-ocean catching fish machines,it features: fishing lines have a steady tension according to different rotation speed ,The GT-30A hydraulic power unit with buffer device can be opened or closed sensitively and quickly, It can also reduce the working intensity of spare parts so as to prolong service life. The main hydraulic parts installed in the hydraulic power unit are imported, which will ensure systems to operate reliably with long service life.



ZDWX Hydraulic power unit

ZDWX hydraulic power units are designed for railway systems. The power unit has the pressure return lines with two classes to support the operation of 8 actuators, It adopts integrated distributing-flow plates to lessen the oil leakage and develop operating stability. The special design will enable several actuators to operate simultaneously so as to meet hydraulic power unit requirements.



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HYDRAULIC POWER UNIT

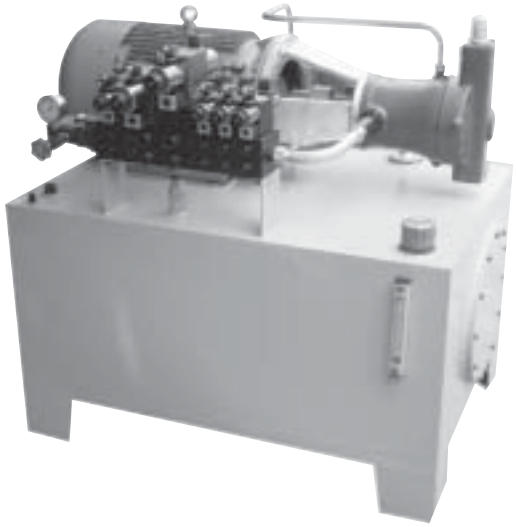
XZ Hydraulic power unit

The XZ type hydraulic power unit designed for special light machines, which can support action of four actuators, it is characteristic of reliable working, harmonious operating, easily using and more economical etc.



ZZJ-1 Hydraulic power unit

The ZZJ-1 type hydraulic power unit is designed for machines of manufacturing bricks. Its output power can supply 8 actuators, and the motor mounted on which can be controlled by 2 grades, the 87 conteolled valves had been mounted on a modular (which distributes hydraulic oil), this special design is to prevent a leakage of oil



ZL-2 Cooling equipment

The cooling unit is designed to lower the temperature of hydraulic oil in a hydraulic Power unit working in high temperature condition, This integrated equipment consists of compressor*water condenser*evaporator* water tank*water pump etc. The water tank is made of stainless steel and mounted hest insulating materials on each side which will enable the cooling water not affected by temperature outside or workingcondition . The surface in the equipment is protected by color steel sheet. The water temperature in the tank can be adjusted automatically according to setting temperature within *2* tolerance range. The equipment has characteristics of small volume* low noise*good cooling effciency, reliable work and easy operation.

