

VALVES FOR HYDRAULIC MOTORS

SHUTTLE VALVE

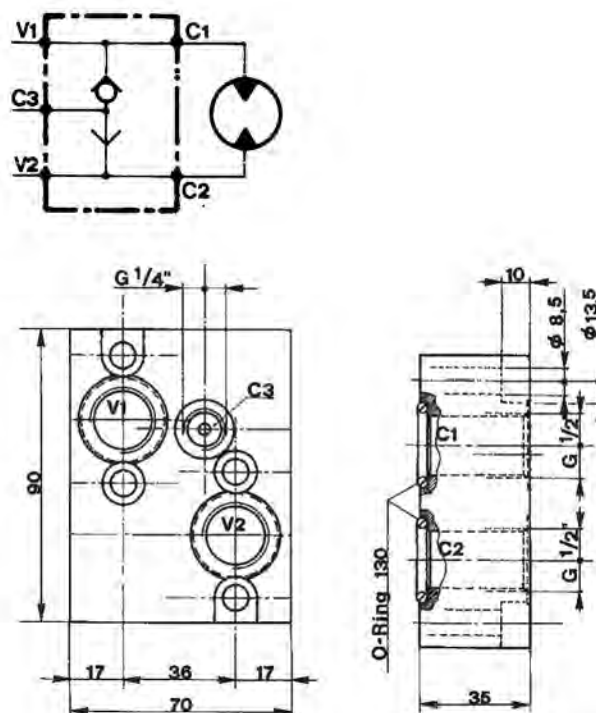
Code: VSEFMDSE

Max Flow 50L/min

Max Pressure 350 Bar

V1 – V2 ½" BSPP

C3 ¼" BSPP



CROSSLINE RELIEF WITH BRAKE RELEASE SHUTTLE VALVE

Code: VS50FMDISE / 1Y04B

50-130 Bar Adjustment

Code: VS50FMDISE / 1Z04B

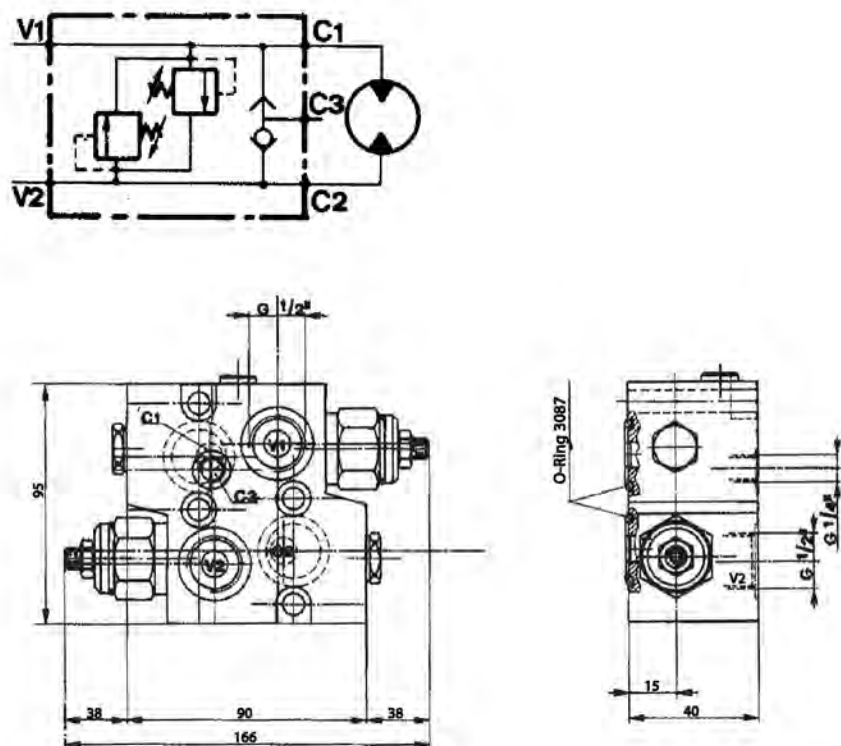
100-280 Bar Adjustment

Max Flow 50L/min

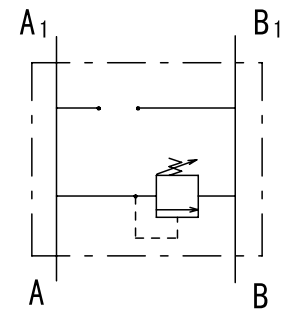
Max Pressure 250 Bar

V1 – V2 ½" BSPP

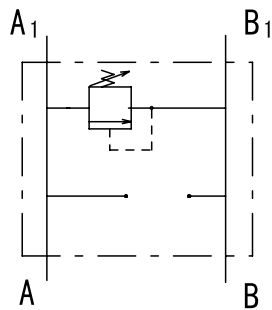
C3 ¼" BSPP



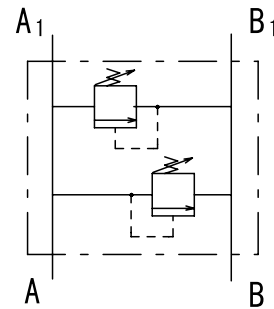
CROSSOVER RELIEF VALVE



siglge crossover relief valve
type FY*A



siglge crossover relief valve
type FY*B

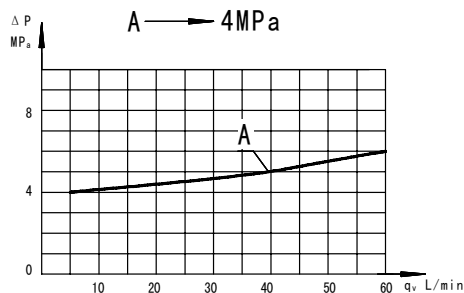


dual crossover relief valve type
FY*B

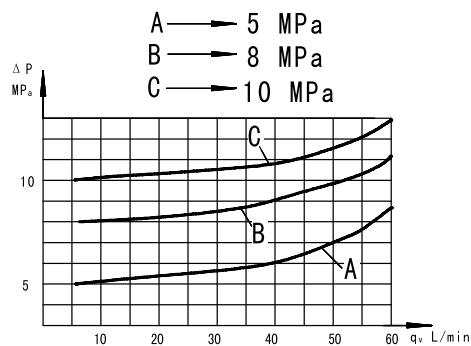
Specification data

Parameters	Type				
	FYRHD	FYSHD	FYSD	FYRH	FYSH
Flow Rate (L/min)	60				
Pressure Range (MPa)	[0.5-4];[3-10];[8-25]				
Weight (kg)	1.7	1.8	1.8	1.55	1.65

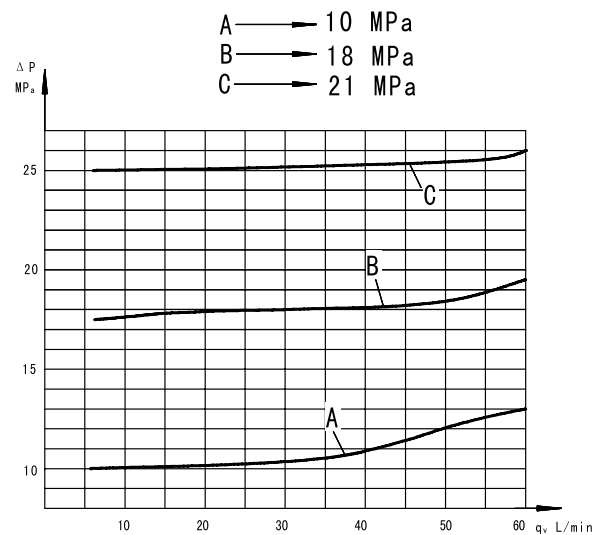
Rated Pressure 4MPa



Rated pressure 3-10MPa

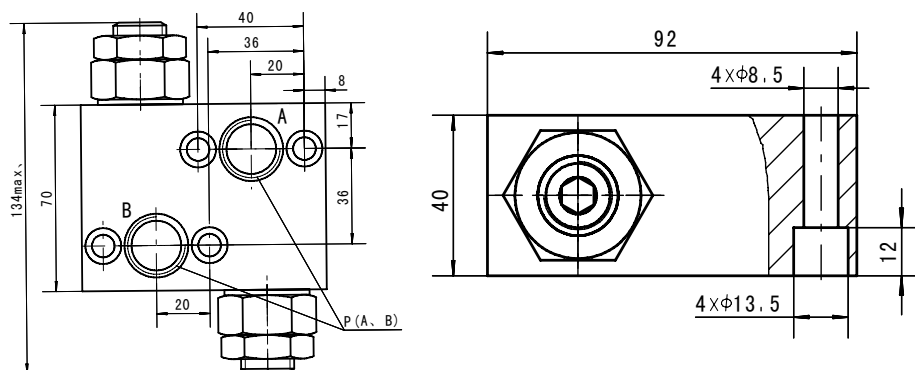


Rated pressure 8-25MPa



CROSSOVER RELIEF VALVES FOR MOMR SERIES MOTORS

Dual Crossover relief valve type FYRHD



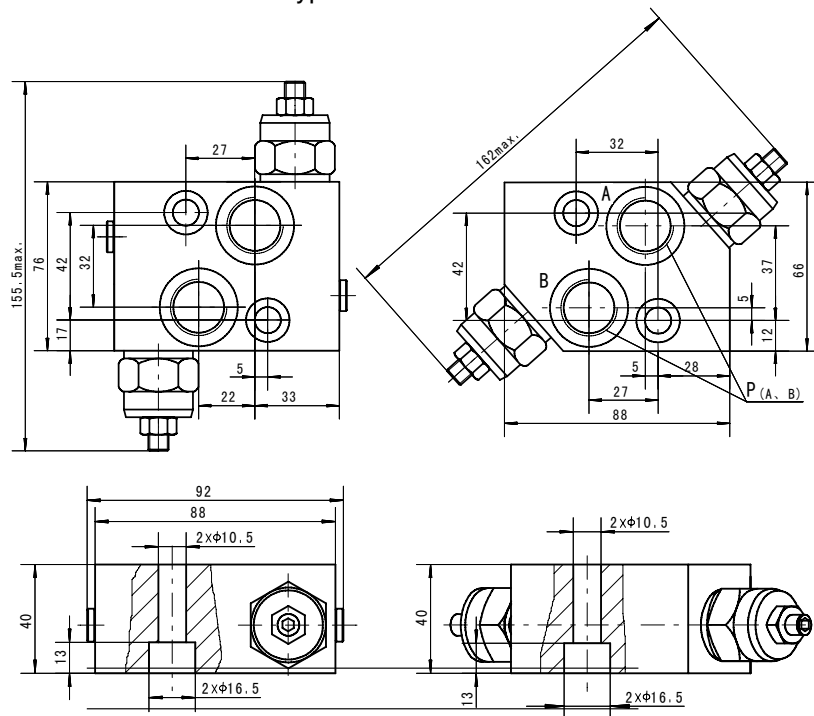
Code	P(A, B)(depth)
D	G1/2(18)
M	M22×1.5(18)
S	7/8-14UNF(18)
P	1/2-14NPTF(18)

Note:FYRHD Blocks are installed directly on BMR and BMP Motors with four bolts 5/16-18UNC,40mm long or M8×40-8.8,DIN912.

CROSSOVER RELIEF VALVES FOR MOMS SERIES MOTORS

Dual crossover relief valve type FYSD

Dual crossover relief valve type FYSHD



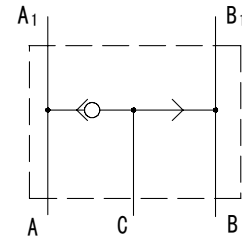
Code	P(A, B)(depth)
D	G1/2(18)
M	M22×1.5(18)
S	7/8-14UNF(18)

Note:FYSHD Blocks are installed directly on BMS Motors with two bolts 3/8-16UNC,40mm long or M10×40-8.8,DIN912.

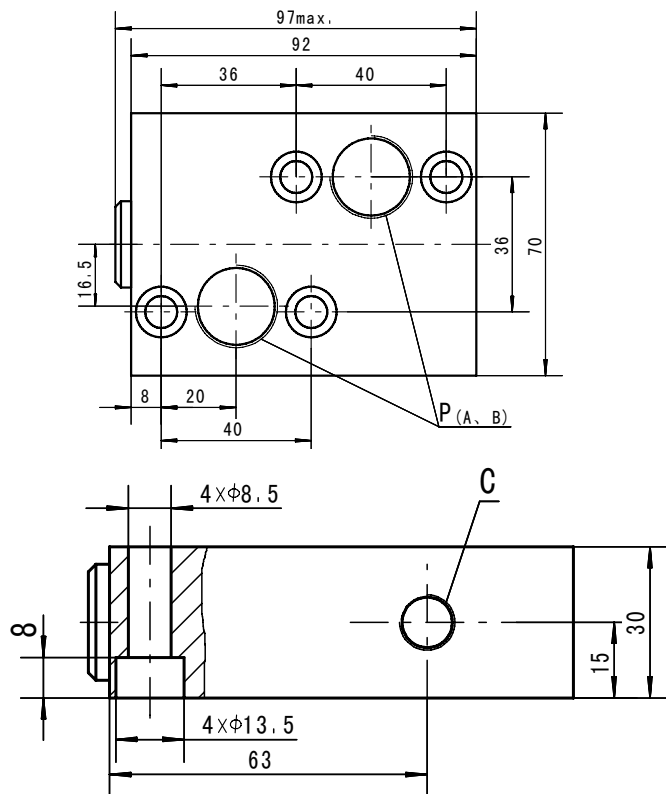
SWITCH VALVE

Specification Data

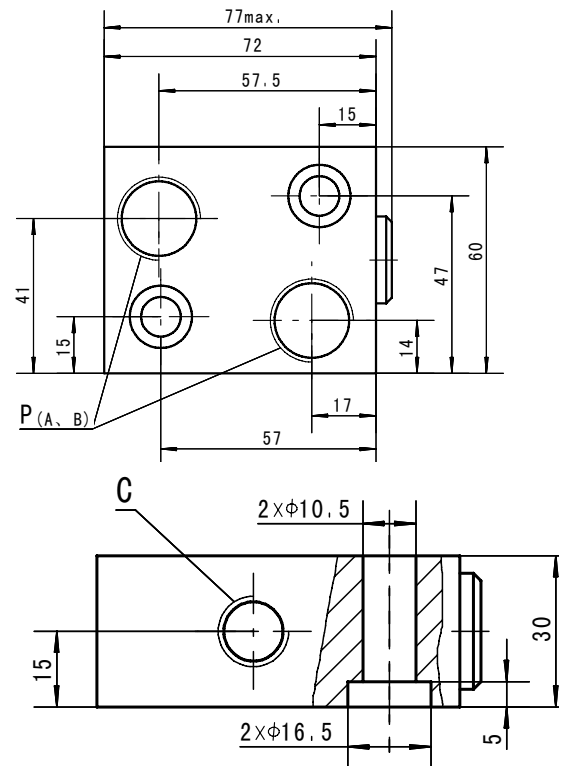
Parameters	Type	
	FSR	FSS
FlowRate (L/min)	60	
RatedPressure (MPa)	25	
Weight (Kg)	0.9	0.7



Switch valve FSR



Switch valve FSS



Code	P(A, B)(depth)	C(depth)
D	G1/2(17)	G1/4(14)
M	M22×1.5(17)	M14×1.5(14)
S	7/8-14UNF(17)	7/16-20UNF(12.7)

Note:FSR Blocks are installed directly on BMR and BMP Motors with four bolts 5/16-18UNC, 35mm long orM835-8.8;FSS Blocks are installed directly on BMS Motors with two bolts3/8-16UNC,35mm long or M1040-8.8DIN912

Order Information

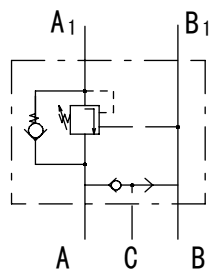
1 2 3 4 5 6 7

F

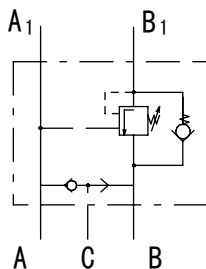
Pos.1	2	3	4	5	6	7
Type	Housing Type	Number of Spool	Pressure settings MPa	Flow Rate L/min	Ports	Paint
Y Crossover Relief Valves	RH SH S	A Ports A one valve-single B Port B one valve-single D Two valves-dual	4 0.5-4 standard settings 4MPa 10 3-10 standard settings 10MPa 21 8-21 standard settings 21MPa	Omit 60	D M S P G1/2 M22x1.5 7/8-14UNF 1/2-14NPTF	00 Omit B S No Paint Blue Black Silver grey
S Switch Valve	R S					

Note: from the order code , please choose the right code for valve type, motor housing type, number of spool, pressure settings, flow rate, ports and paint information. If you can't find any specification here, or if you have special requirement, please contact us.

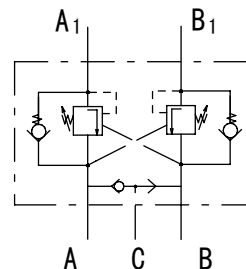
OVERCENTER VALVE WITH BRAKE PORT



Overcenter Valve FPRA



Overcenter Valve FPRB

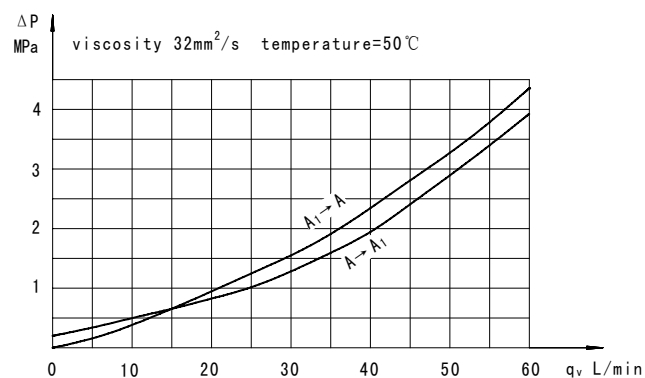


Overcenter Valve FPRD

Specifications

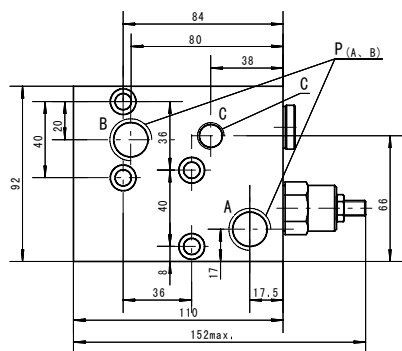
Specifications	MODEL	
	FPRA(B)	FPRD
flow (L/min)	60	
pressure (Mpa)	7-25	
pilof ratio	4.25:1	
weight (kg)	3.30	3.35

pressure drop

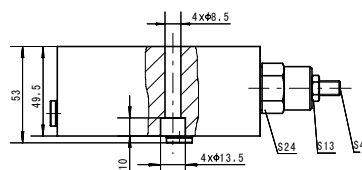
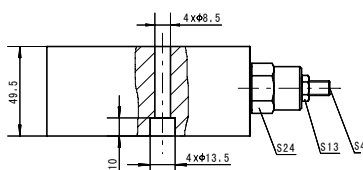
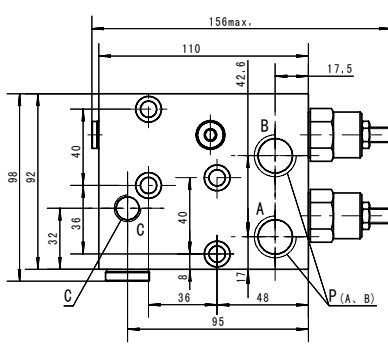


OVERCENTER VALVE FOR BMR MOTOR

Overcenter valve FPRA



Overcenter valve FPRD



code	P(A, B)(depth)	C(depth)
D	G1/2(18)	G1/4(14)
M	M22×1.5(18)	M14×1.5(14)
S	7/8-14UNF(18)	7/16-20UNF(14)

Note: Valve FPR(D) is used together with BMP or BMR motor, 4 bolts thread; 5/16-18UNC or M8×50 grade 8.8

Order Information

1

F

2

3

4

5

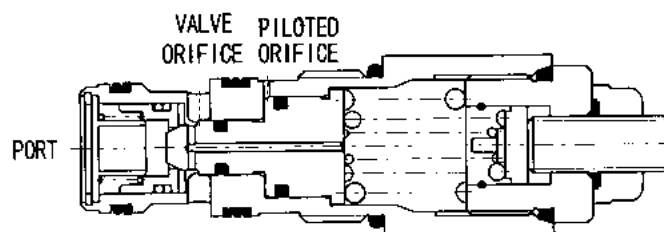
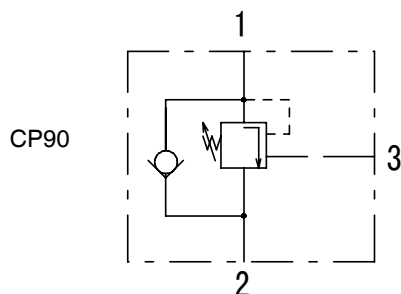
6

7

Pos.1	2	3	4	5	6	7
Type	Motor housing Type	Number of spool	Pressure settings MPa	Flow Rate L/min	Ports,Brake port	Paint
P	Overcenter Valves	A	7-25	Omit 60	G1/2,G1/4 M22x1.5,M14x1.5 7/8-14UNF,7/16-20UNF	00 Omit B S No Paint Blue Black Silver grey
		Port A one valve-single				
		B Port B one valve-single				
		D Two valves-dual				
	R	BMR				

Note: from the order code , please choose the right code for valve type, motor housing type, number of spool, pressure settings, port braking port and paint information. If you can't find any specification here,or if you hore special requirement ,please contact us.

CARTRIDGE TYPE OVERCENTER VALVE



OPERATION

The check valve allows free flow from port ② to port ① while a direct-acting, pilot-assisted relief valve controls flow from port ① to port ②. Pilot assist at port ③ lowers the effective setting of the relief valve at a rate determined by the pilot ratio.

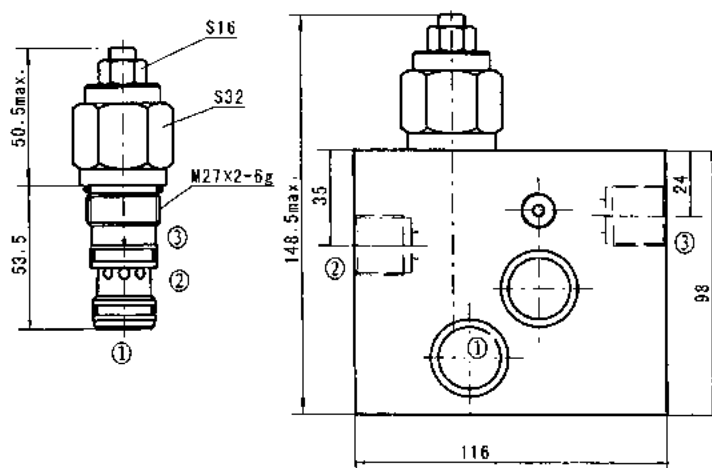
FEATURES

Counterbalance valves should be set at least 13 times the maximum load induced pressure. Backpressure at port ② adds to the effective relief setting at a ratio of ① plus the pilot ratio times the backpressure.

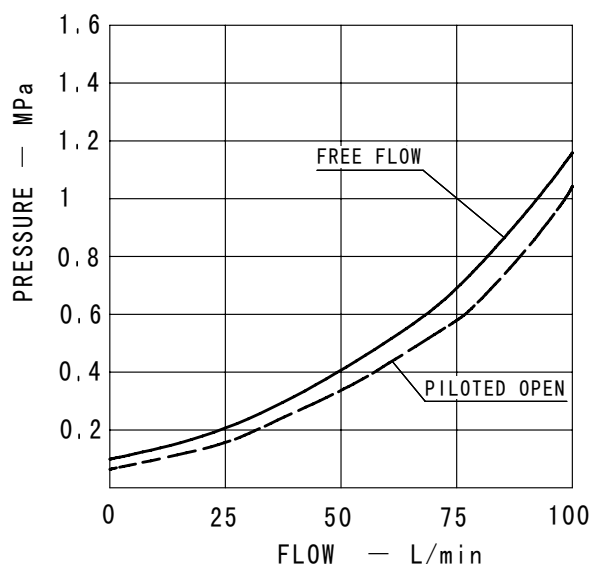
SPECIFICATIONS

Maximum Pressure: 27 MPa
Relief valve setting: 35 MPa
Rated Flow: 90 L/min
Leakage: 5 drops/min
Temperature: -20°C ~ 90°C

DIMENSIONS



PRESSURE DROP CURVE



ORDER INFORMATION

