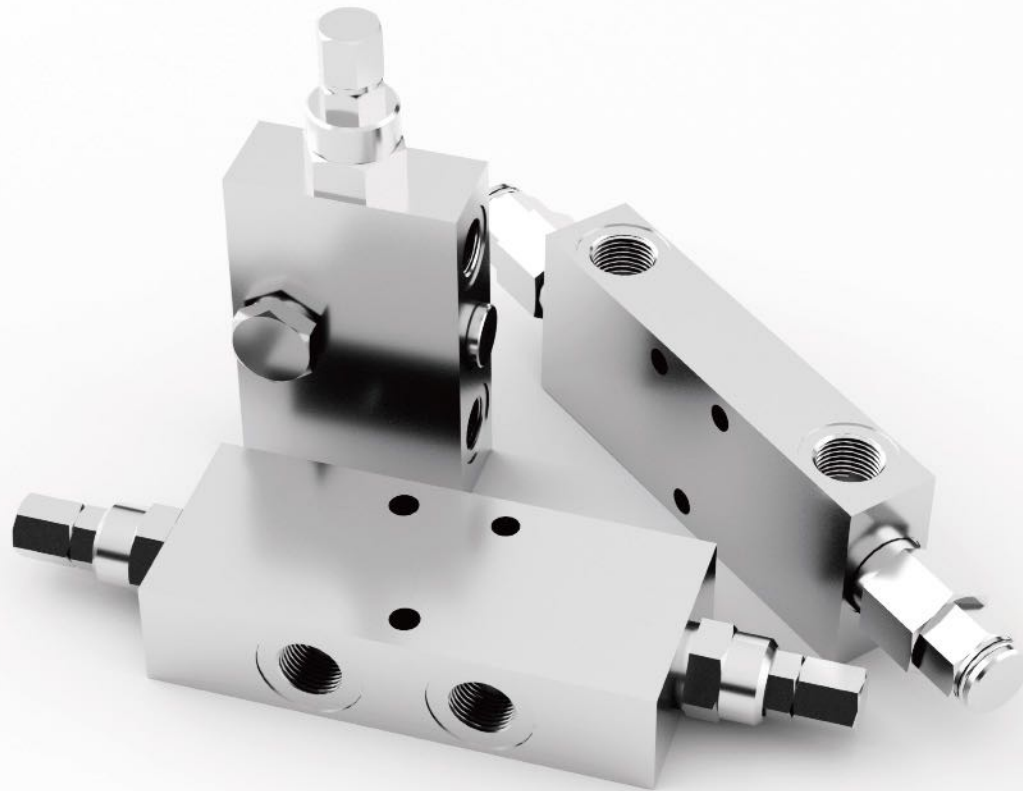


Itahydraulic
Power Technology

YEARS
OF HISTORY
15

**OVERCENTER
VALVES**

**OVERCENTER
VALVES**



OVERCENTER VALVES

CATALOGUE

VBCD-SE A	SINGLE OVERCENTER VALVE	01
VBCD-SE	SINGLE OVERCENTER VALVE	02
VBCD-SE-FL	SINGLE OVERCENTER VALVE	03
VBCD-SE-FL2	SINGLE OVERCENTER VALVE	04
VBCD-SE-FLV	SINGLE OVERCENTER VALVE	05
VBCD-SE-3VIE	SINGLE OVERCENTER VALVE	06
VBCD-DE A	DOUBLE OVERCENTER VALVE	07
VBCD-DE	DOUBLE OVERCENTER VALVE	08
VBCD-DE A SF	DOUBLE OVERCENTER VALVE	09
VBCD-DE-FL	DOUBLE OVERCENTER VALVE	10
VBCD-DE-FLV	DOUBLE OVERCENTER VALVE	11
VBCD SE A CC	DOUBLE OVERCENTER VALVE	12
VBCD SE FL CC	DOUBLE OVERCENTER VALVE	13
VBCD DE A CC	DOUBLE OVERCENTER VALVE	14
VBCD DE FL CC	DOUBLE OVERCENTER VALVE	15

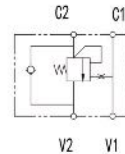


VBCD-SE A

SINGLE OVERCENTER VALVE

MODEL

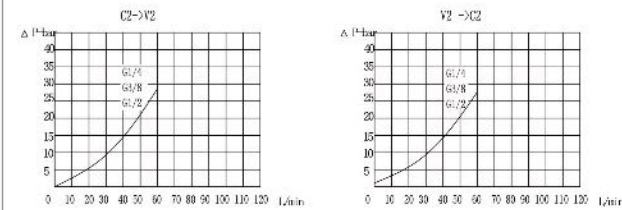
CONNECTION
VBCD-G1/2-SE A
SINGLE



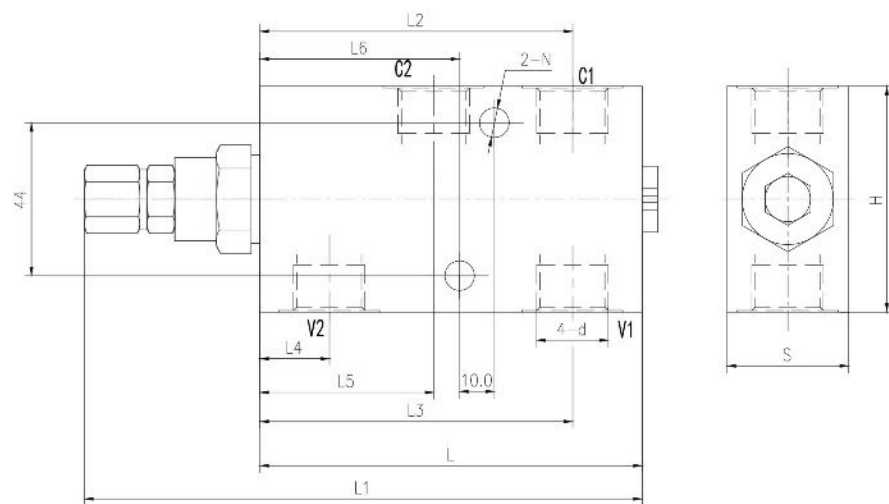
VBCD-SE A SINGLE OVERCENTER VALVE

MODEL	VBCD-G1/4-SE A	VBCD-G3/8-SE A	VBCD-G1/2-SE A	VBCD-G3/4-SE A
FLOW	20L/min	40L/min	60L/min	100L/min
PRESSURE	350bar			
LEAKAGE	2 drops/minute, at 80% set pressure			
RATIO	4.5:1			
APPLICABLE MEDIA	Hydraulic oil			
OIL VISCOCITY	10-200cst			
OIL TEMPERATURE RANGE	-20°C- +80°C			

FLOW-PRESSURE LOSS CURVE



DRAWING



MODEL	d	L	L1	L2	L3	L4	L5	L6	N	H	S
VBCD-G1/4-SE A	G1/4	110	160	90	90	20	50	55	Φ8.5	60	30
VBCD-G3/8-SE A	G3/8	110	160	90	90	20	50	55	Φ8.5	60	30
VBCD-G1/2-SE A	G1/2	110	160	90	90	20	50	57.5	Φ8.5	65	35
VBCD-G3/4-SE A	G3/4	130	175	103	103	24,5	48,5	60	Φ8.5	80	40

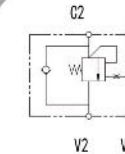


VBCD-SE

SINGLE OVERCENTER VALVE

MODEL

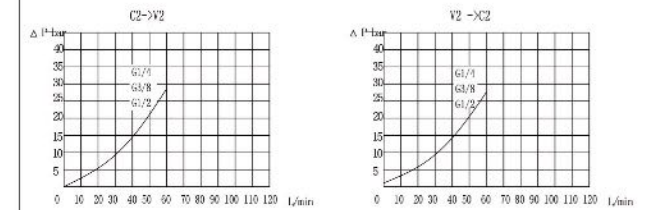
CONNECTION
VBCD-G1/2-SE
SINGLE



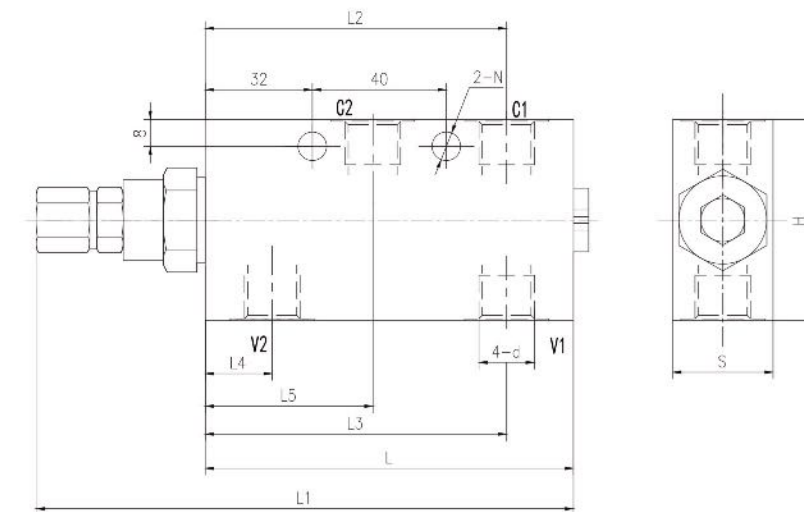
VBCD-SE SINGLE OVERCENTER VALVE

MODEL	VBCD-G1/4-SE	VBCD-G3/8-SE	VBCD-G1/2-SE
FLOW	20L/min	40L/min	60L/min
PRESSURE	350bar		
LEAKAGE	2 drops/minute, at 80% set pressure		
RATIO	4.5:1		
APPLICABLE MEDIA	Hydraulic oil		
OIL VISCOCITY	10-200cst		
OIL TEMPERATURE RANGE	-20°C- +80°C		

FLOW-PRESSURE LOSS CURVE



DRAWING



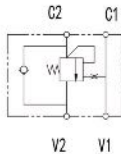
MODEL	d	L	L1	L2	L3	L4	L5	L6	N	H	S
VBCD-G1/4-SE	G1/4	110	160	90	90	20	50	55	Φ8.5	60	30
VBCD-G3/8-SE	G3/8	110	160	90	90	20	50	55	Φ8.5	60	30
VBCD-G1/2-SE	G1/2	110	160	90	90	20	50	57.5	Φ8.5	65	35



VBCD-SE-FL

SINGLE OVERCENTER VALVE

MODEL

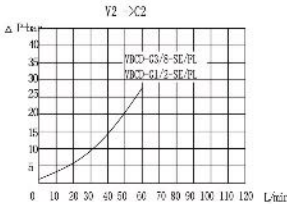
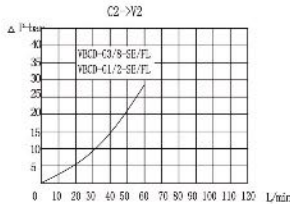


CONNECTION
VBCD-G1/2-SE-FL
FLANGE
SINGLE

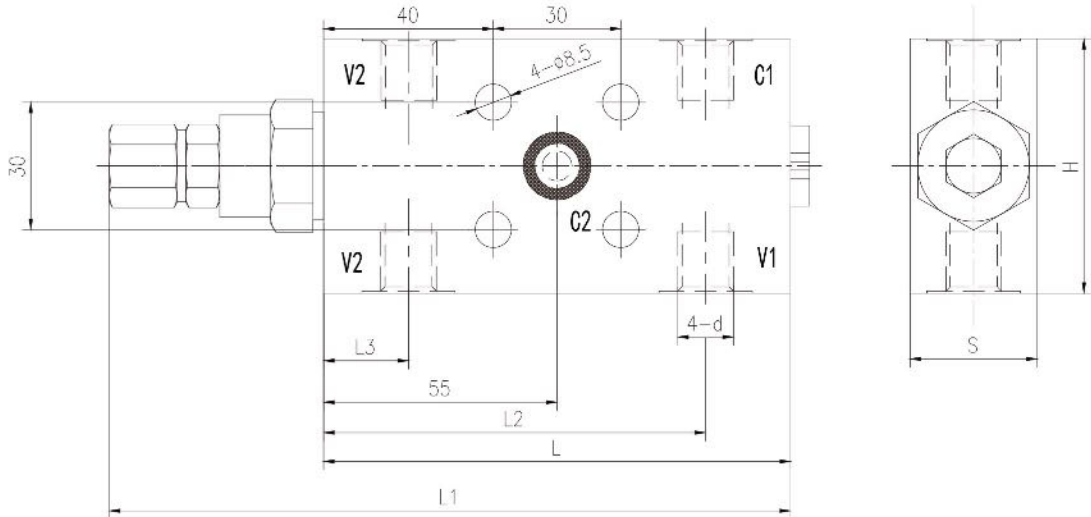
VBCD-SE-FL SINGLE OVERCENTER VALVE FLANGE

MODEL	VBCD-G3/8-SE-FL	VBCD-G1/2-SE-FL
FLOW	40L/min	60L/min
PRESSURE	350bar	
LEAKAGE	2 drops/minute, at 80% set pressure	
RATIO	4.5:1	
APPLICABLE MEDIA	Hydraulic oil	
OIL VISCOCITY	10-200cst	
OIL TEMPERATURE RANGE	-20°C- +80°C	

FLOW-PRESSURE LOSS CURVE



DRAWING



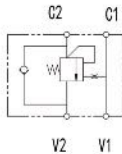
MODEL	d	L	L1	L2	L3	H	S
VBCD-G3/8-SE-FL	G3/8	110	160	90	20	60	30
VBCD-G1/2-SE-FL	G1/2	110	160	90	20	65	35



VBCD-SE-FL2

SINGLE OVERCENTER VALVE

MODEL

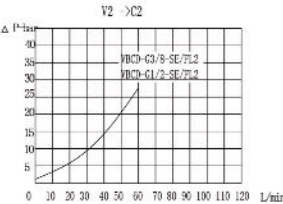
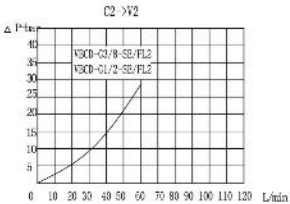


CONNECTION
VBCD-G1/2-SE-FL2
FLANGE
SINGLE

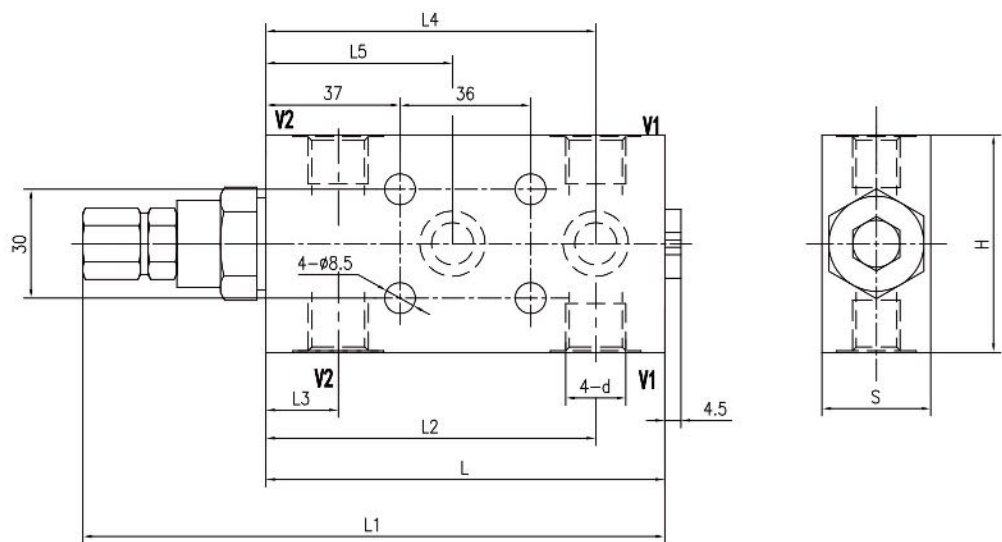
VBCD-SE-FL2 SINGLE OVERCENTER VALVE FLANGE

MODEL	VBCD-G3/8-SE-FL2	VBCD-G1/2-SE-FL2
FLOW	40L/min	60L/min
PRESSURE	350bar	
LEAKAGE	2 drops/minute, at 80% set pressure	
RATIO	4.5:1	
APPLICABLE MEDIA	Hydraulic oil	
OIL VISCOCITY	10-200cst	
OIL TEMPERATURE RANGE	-20°C- +80°C	

FLOW-PRESSURE LOSS CURVE



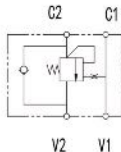
DRAWING



MODEL	d	L	L1	L2	L3	L4	L5	H	S
VBCD-G3/8-SE-FL2	G3/8	110	160	90	20	91	51.5	60	30
VBCD-G1/2-SE-FL2	G1/2	110	160	90	20	91	51.5	65	35



VBCD-SE-FLV
SINGLE OVERCENTER VALVE



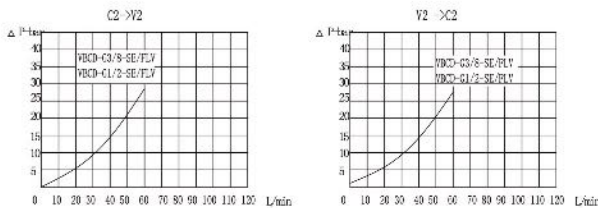
MODEL



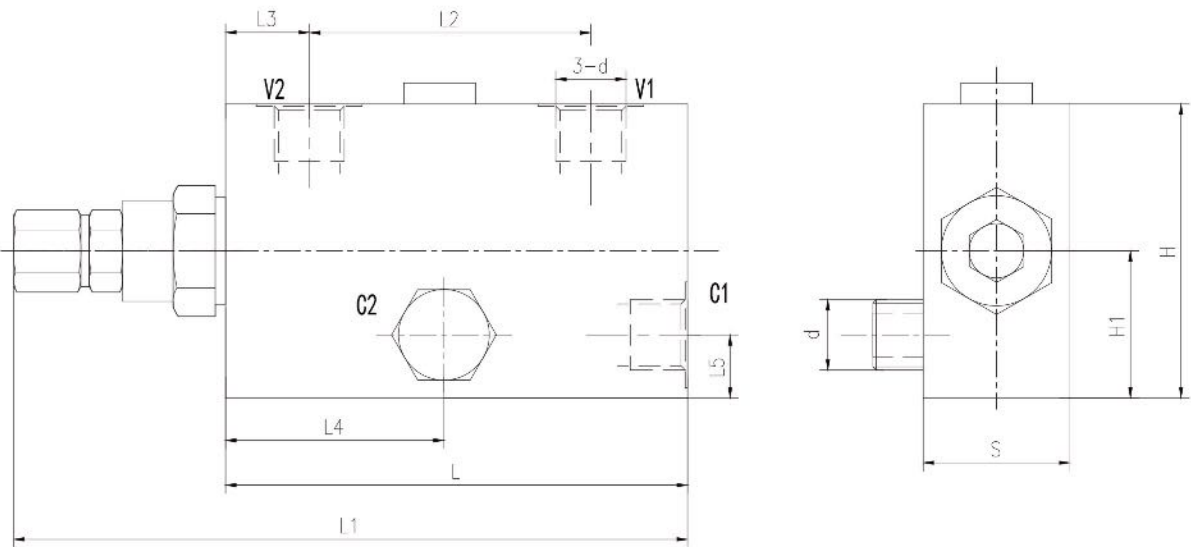
VBCD-SE-FLV SINGLE OVERCENTER VALVE FLANGE

MODEL	VBCD-G3/8-SE-FLV	VBCD-G1/2-SE-FLV
FLOW	40L/min	60L/min
PRESSURE	350bar	
LEAKAGE	2 drops/minute, at 80% set pressure	
RATIO	4.5:1	
APPLICABLE MEDIA	Hydraulic oil	
OIL VISCOCITY	10-200cst	
OIL TEMPERATURE RANGE	-20°C- +80°C	

FLOW-PRESSURE
LOSS CURVE



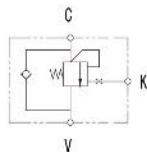
DRAWING



MODEL	d	L	L1	L2	L3	L4	L5	H1	H	S
VBCD-G3/8-SE-FLV	G3/8	110	160	67	20	52	15	32.5	70	30
VBCD-G1/2-SE-FLV	G1/2	110	160	67	20	52	15	35	70	35



VBCD-SE-3VIE
SINGLE OVERCENTER VALVE



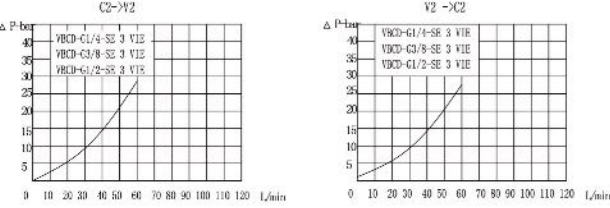
MODEL



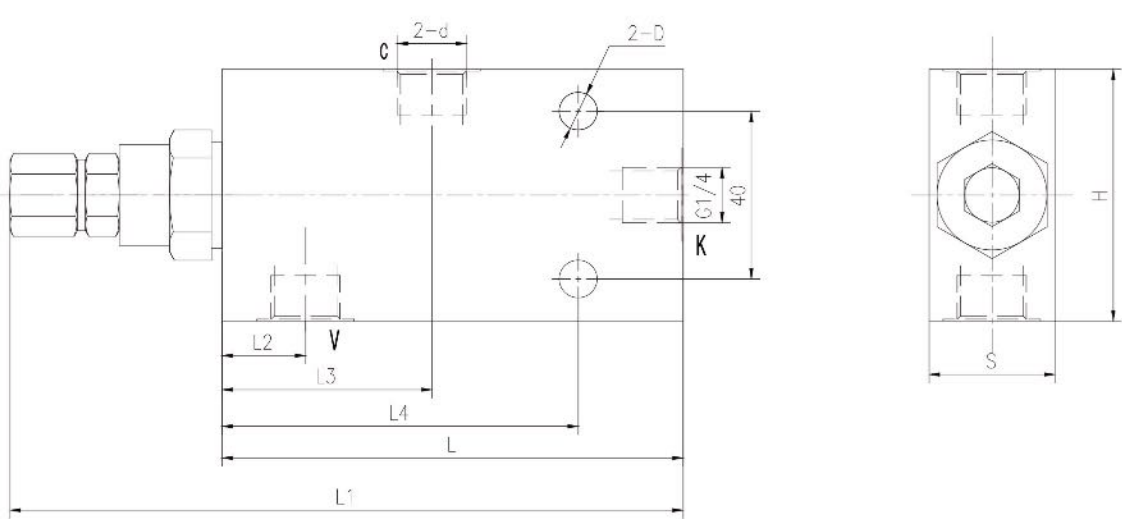
VBCD-SE-3VIE SINGLE OVERCENTER VALVE EXT PILOT

MODEL	VBCD-G1/4-SE-3VIE	VBCD-G3/8-SE-3VIE	VBCD-G1/2-SE-3VIE
FLOW	20L/min	40L/min	60L/min
PRESSURE	350bar		
LEAKAGE	2 drops/minute, at 80% set pressure		
RATIO	4.5:1		
APPLICABLE MEDIA	Hydraulic oil		
OIL VISCOCITY	10-200cst		
OIL TEMPERATURE RANGE	-20°C- +80°C		

FLOW-PRESSURE
LOSS CURVE



DRAWING

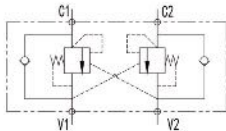


MODEL	d	L	L1	L2	L3	L4	D	H	S
VBCD-G1/4-SE-3VIE	G1/4	110	160	20	50	85	8.5	60	30
VBCD-G3/8-SE-3VIE	G3/8	110	160	20	50	85	9	60	30
VBCD-G1/2-SE-3VIE	G1/2	110	160	20	50	85	9	65	35



VBCD-DE A

DOUBLE OVERCENTER VALVE



MODEL

CONNECTION

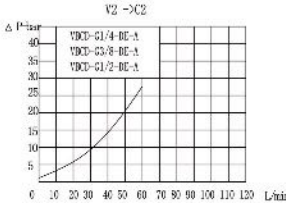
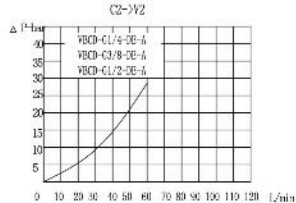
VBCD-G1/2-DE A

DOUBLE

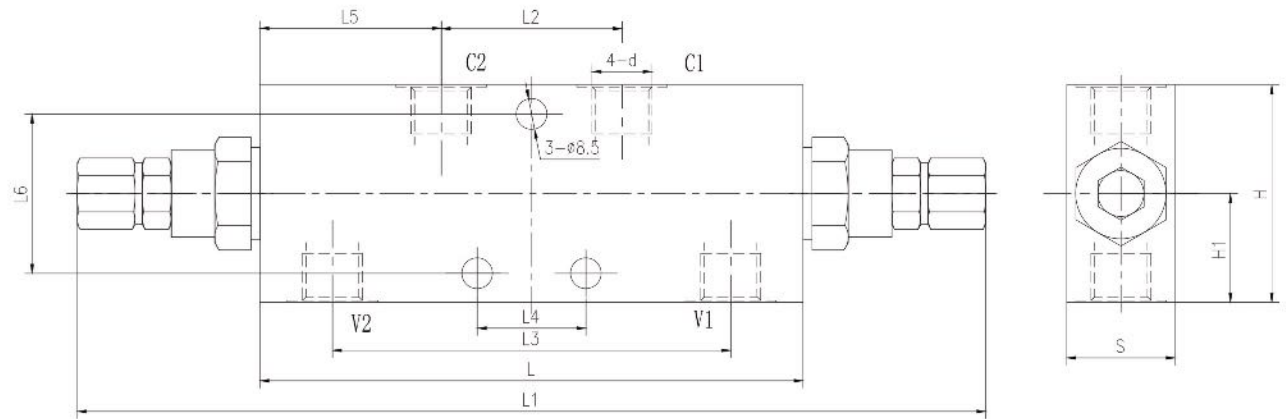
VBCD-DE A DOUBLE OVERCENTER VALVE

MODEL	VBCD-G1/4-DE A	VBCD-G3/8-DE A	VBCD-G1/2-DE A	VBCD-G3/4-DE A
FLOW	20L/min	40L/min	60L/min	100 L/min
PRESSURE	350bar			
LEAKAGE	2 drops/minute, at 80% set pressure			
RATIO	4.5:1			
APPLICABLE MEDIA	Hydraulic oil			
OIL VISCOCITY	10-200cst			
OIL TEMPERATURE RANGE	-20°C- +80°C			

FLOW-PRESSURE LOSS CURVE



DRAWING

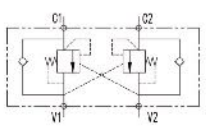


MODEL	d	L	L1	L2	L3	L4	L5	L6	H1	H	S
VBCD-G1/4-DE A	G1/4	150	251	50	110	30	50	44	30	60	30
VBCD-G3/8-DE A	G3/8	150	251	50	110	30	50	44	30	60	30
VBCD-G1/2-DE A	G1/2	150	251	50	110	30	50	44	32.5	65	35
VBCD-G3/4-DE A	G3/4	155	251	58	106	44	62,5	64	40	80	40



VBCD-DE

DOUBLE OVERCENTER VALVE



MODEL

CONNECTION

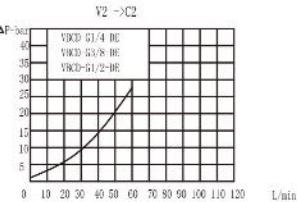
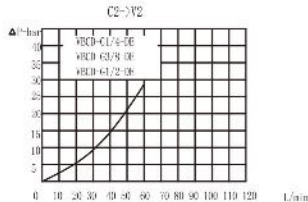
VBCD-G1/2-DE

DOUBLE

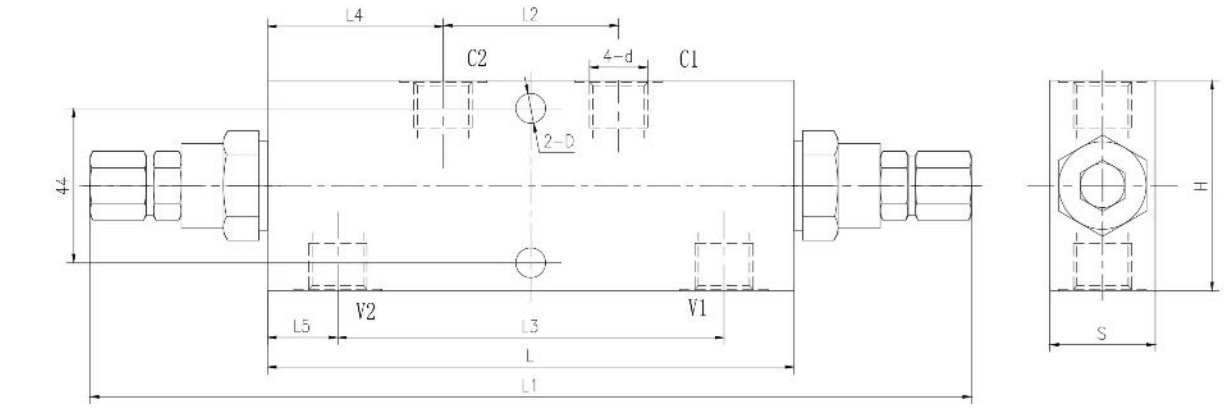
VBCD-DE DOUBLE OVERCENTER VALVE

MODEL	VBCD-G1/4-DE	VBCD-G3/8-DE	VBCD-G1/2-DE
FLOW	20L/min	40L/min	60L/min
PRESSURE	350bar		
LEAKAGE	2 drops/minute, at 80% set pressure		
RATIO	4.5:1		
APPLICABLE MEDIA	Hydraulic oil		
OIL VISCOCITY	10-200cst		
OIL TEMPERATURE RANGE	-20°C- +80°C		

FLOW-PRESSURE LOSS CURVE



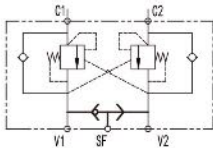
DRAWING



MODEL	d	L	L1	L2	L3	L4	L5	H	S	D
VBCD-G1/4-DE	G1/4	150	251	50	110	50	20	60	30	8.5
VBCD-G3/8-DE	G3/8	150	251	50	110	50	20	60	30	8.5
VBCD-G1/2-DE	G1/2	150	251	50	110	50	20	65	35	9



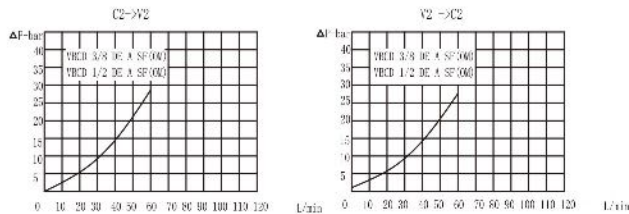
VBCD-DE A SF
DOUBLE OVERCENTER VALVE



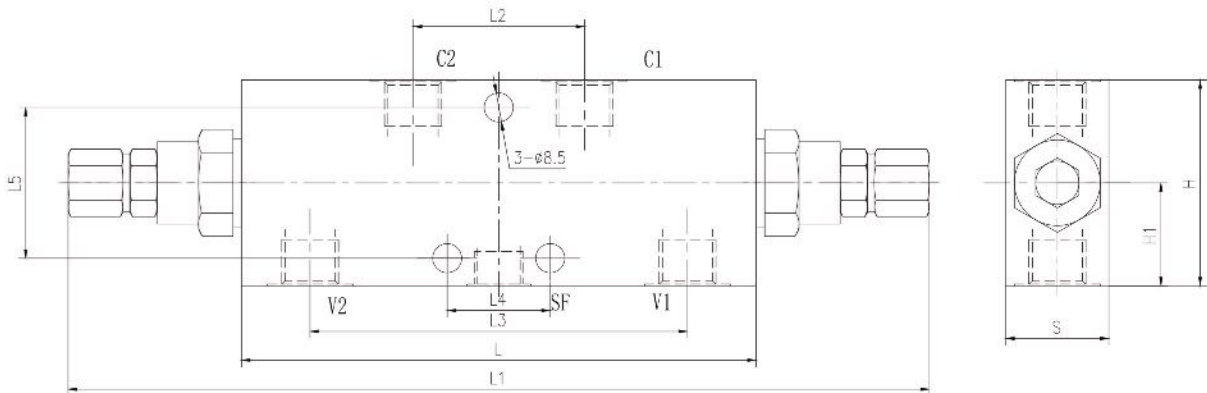
VBCD-DE A SF DOUBLE OVERCENTER VALVE W/ BRAKE

MODEL	VBCD-G3/8-DE A SF	VBCD-G1/2-DE A SF
FLOW	40L/min	60L/min
PRESSURE	350bar	
LEAKAGE	2 drops/minute, at 80% set pressure	
RATIO	4.5:1	
APPLICABLE MEDIA	Hydraulic oil	
OIL VISCOCITY	10-200cst	
OIL TEMPERATURE RANGE	-20°C- +80°C	

**FLOW-PRESSURE
LOSS CURVE**



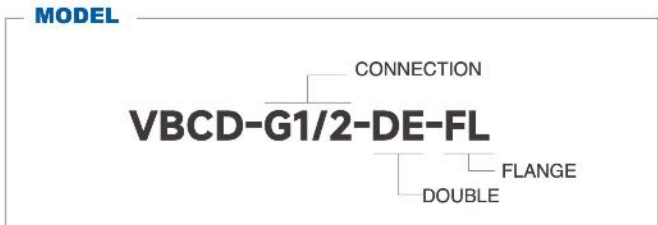
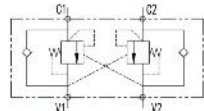
DRAWING



MODEL	VI/V2/C1/C2	SF	L	L1	L2	L3	L4	L5	H	H1	S
VBCD 3/8 DE A SF	G3/8	G1/4	150	248	50	110	30	50	60	32	30
VBCD 1/2 DE A SF	G1/2	G1/4	150	248	50	110	30	50	65	32	35



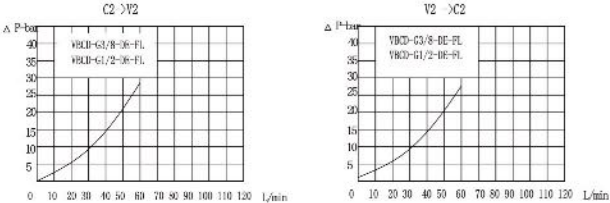
VBCD-DE-FL
DOUBLE OVERCENTER VALVE



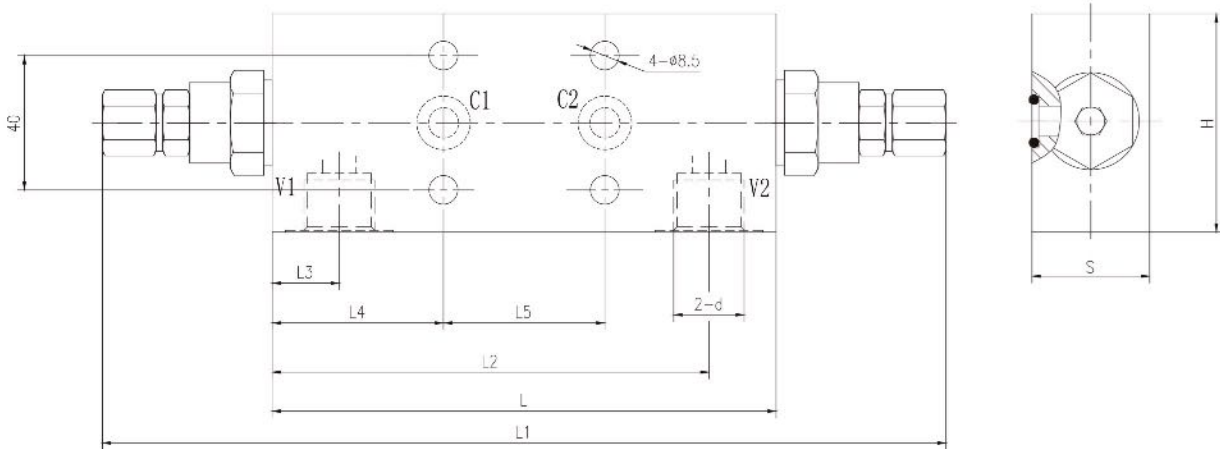
VBCD-DE-FL DOUBLE OVERCENTER VALVE FLANGE

MODEL	VBCD-G3/8-DE-FL	VBCD-G1/2-DE-FL
FLOW	40L/min	60L/min
PRESSURE	350bar	
LEAKAGE	2 drops/minute, at 80% set pressure	
RATIO	4.5:1	
APPLICABLE MEDIA	Hydraulic oil	
OIL VISCOCITY	10-200cst	
OIL TEMPERATURE RANGE	-20°C- +80°C	

**FLOW-PRESSURE
LOSS CURVE**



DRAWING

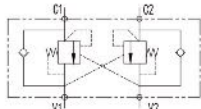


MODEL	d	L	L1	L2	L3	L4	L5	H	S
VBCD-G3/8-DE-FL	G3/8	150	251	130	20	51	48	60	30
VBCD-G1/2-DE-FL	G1/2	150	251	130	20	51	48	65	35



VBCD-DE-FLV

DOUBLE OVERCENTER VALVE



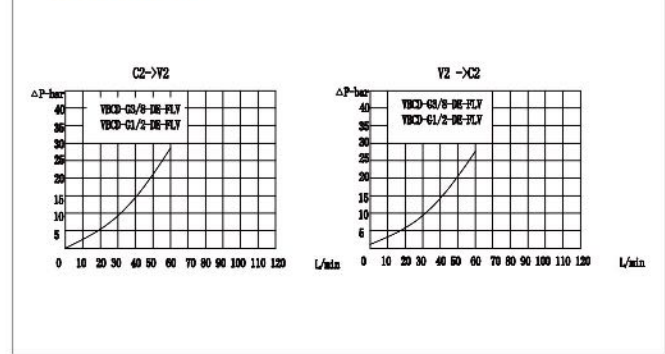
MODEL



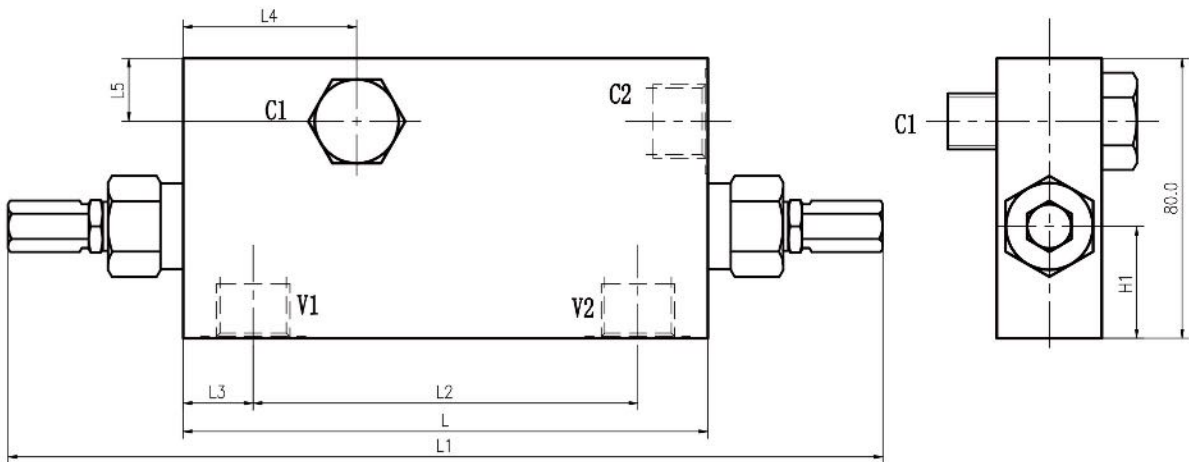
VBCD-DE-FLV DOUBLE OVERCENTER FLANGE W/SCREW

MODEL	VBCD-G3/8-DE-FLV	VBCD-G1/2-DE-FLV
FLOW	40L/min	60L/min
PRESSURE	350bar	
LEAKAGE	2 drops/minute, at 80% set pressure	
RATIO	4.5:1	
APPLICABLE MEDIA	Hydraulic oil	
OIL VISCOCITY	10-200cst	
OIL TEMPERATURE RANGE	-20°C- +80°C	

FLOW-PRESSURE
LOSS CURVE



DRAWING

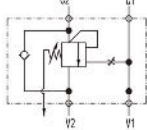


MODEL	d	L	L1	L2	L3	L4	L5	H	S
VBCD-G3/8-DE-FLV	G3/8	150	251	110	20	50	12.5	70	30
VBCD-G1/2-DE-FLV	G1/2	150	251	110	20	50	18	80	35



VBCD SE A CC

SINGLE OVERCENTER VALVE



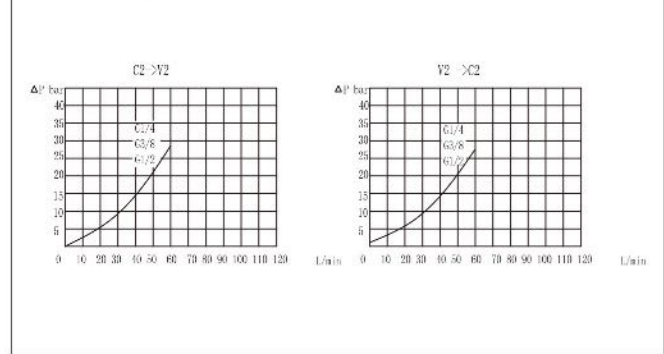
MODEL



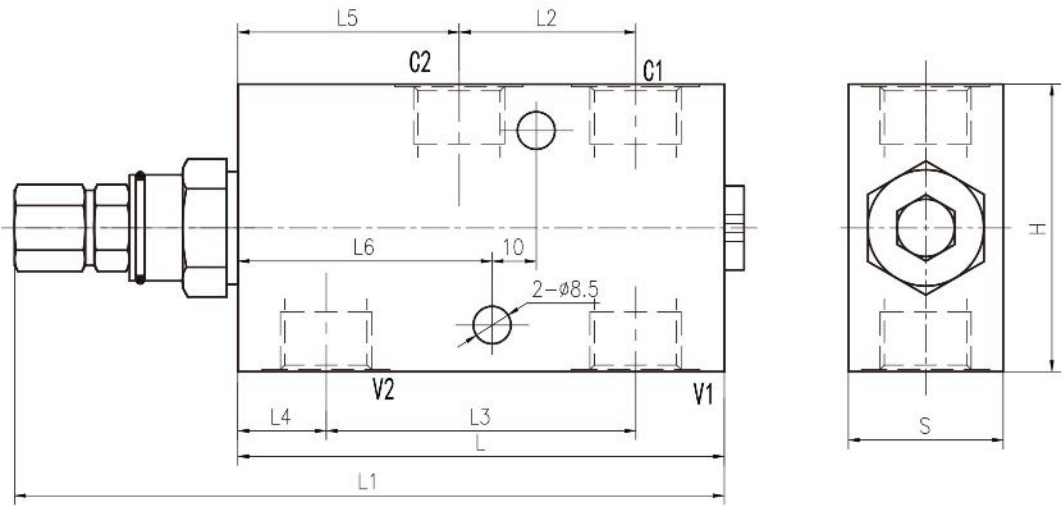
VBCD SE A CC SINGLE OVERCENTER CENTER CLOSED

MODEL	VBCD 1/4 SE A CC	VBCD 3/8 SE A CC	VBCD 1/2 SE A CC
FLOW	25L/min	40L/min	60L/min
PRESSURE	350bar		
LEAKAGE	2 drops/minute, at 80% set pressure		
RATIO	4.5:1		
APPLICABLE MEDIA	Hydraulic oil		
OIL VISCOCITY	10-200cst		
OIL TEMPERATURE RANGE	-20°C- +80°C		

FLOW-PRESSURE
LOSS CURVE



DRAWING



MODEL	V1/V2/C1/C2	L	L1	L2	L3	L4	L5	L6	L7	H	S
VBCD 1/4 SE A CC	G1/4	76	134	26	50	14	38	41	28	55	30
VBCD 3/8 SE A CC	G3/8	100	166	30	60	20	50	55	44	60	30
VBCD 1/2 SE A CC	G1/2	100	166	36	65	20	50	57.5	44	60	30



VBCD SE FL CC

SINGLE OVERCENTER VALVE

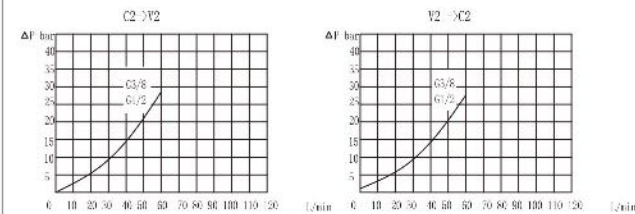
MODEL



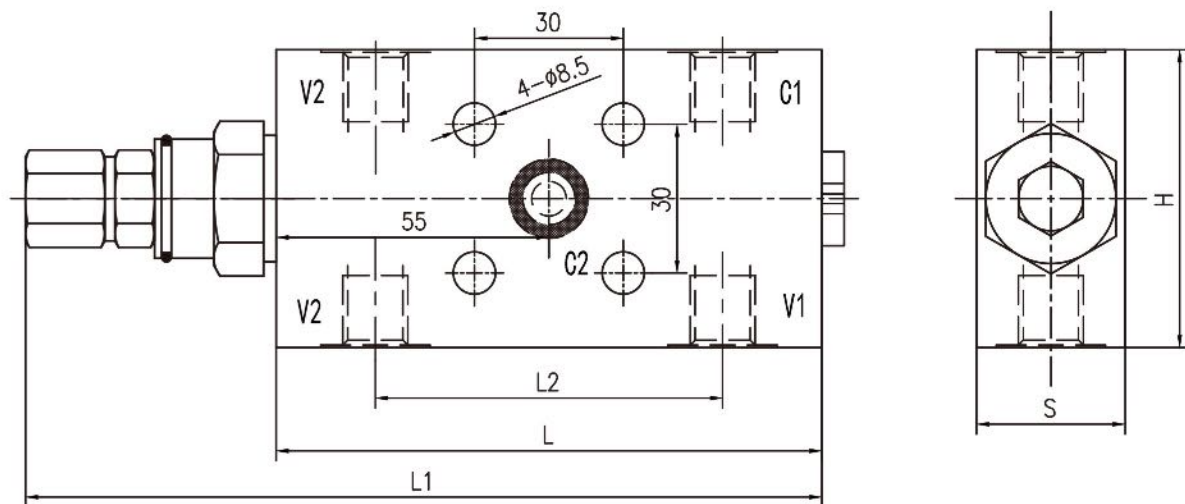
VBCD SE FL CC SINGLE OVERCENTER FLANGE C/ CLOSED

MODEL	VBCD 1/4 SE FL CC	VBCD 3/8 SE FL CC	VBCD 1/2 SE FL CC
FLOW	25L/min	40L/min	60L/min
PRESSURE	350bar		
LEAKAGE	2 drops/minute, at 80% set pressure		
RATIO	4.5:1		
APPLICABLE MEDIA	Hydraulic oil		
OIL VISCOCITY	10-200cst		
OIL TEMPERATURE RANGE	-20°C~ +80°C		

FLOW-PRESSURE LOSS CURVE



DRAWING



MODEL	VI/V2	C1/C2	L	L1	L2	L3	H	S
VBCD 3/8 SE FL CC	G 3/8	Φ9	100	166	60	50	60	30
VBCD 1/2 SE FL CC	G 1/2	Φ9	100	166	60	50	60	30



VBCD DE A CC

DOUBLE OVERCENTER VALVE

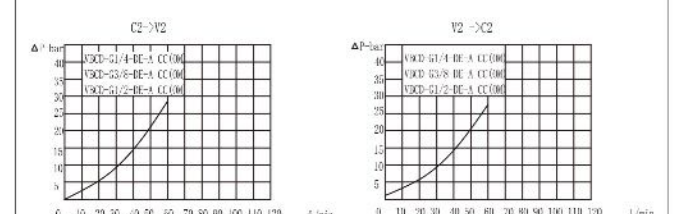
MODEL



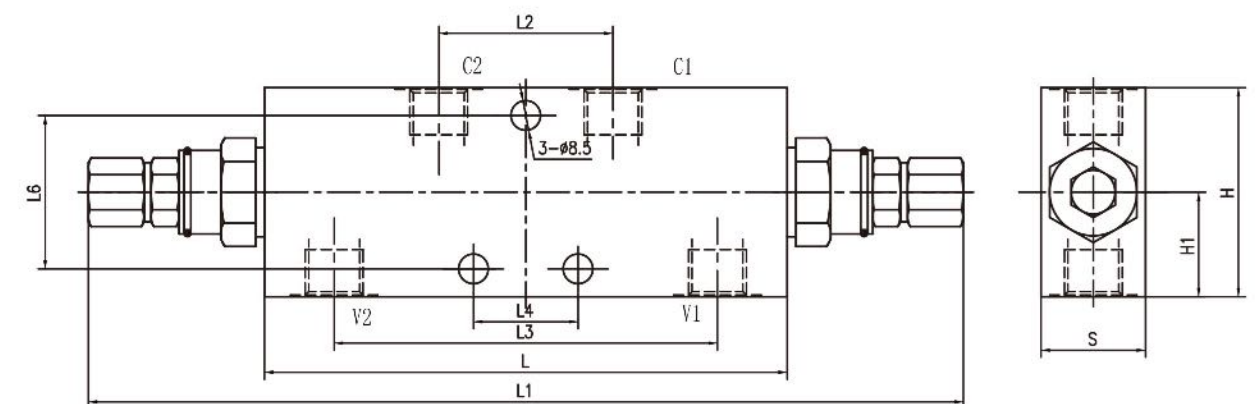
VBCD DE A CC DOUBLE OVERCENTER CENTER CLOSED

MODEL	VBCD 1/4 DE A CC	VBCD 3/8 DE A CC	VBCD 1/2 DE A CC
FLOW	25L/min	40L/min	60L/min
PRESSURE	350bar		
LEAKAGE	2 drops/minute, at 80% set pressure		
RATIO	4.5:1		
APPLICABLE MEDIA	Hydraulic oil		
OIL VISCOCITY	10-200cst		
OIL TEMPERATURE RANGE	-20°C~ +80°C		

FLOW-PRESSURE LOSS CURVE



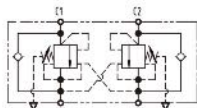
DRAWING



MODEL	VI/V2/C1/C2	L	L1	L2	L3	L4	L5	H1	H	S
VBCD 1/4 DE A CC	G 1/4	125	255	38	94	/	28	28	55	30
VBCD 3/8 DE A CC	G 3/8	150	282	50	110	30	44	32	60	30
VBCD 1/2 DE A CC	G 1/2	150	282	50	110	30	44	32	60	30



VBCD DE FL CC
DOUBLE OVERCENTER VALVE



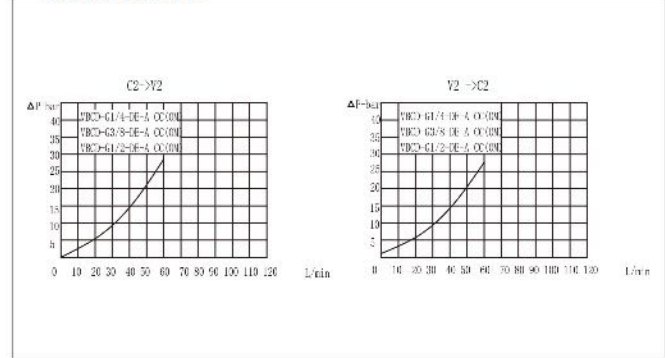
MODEL



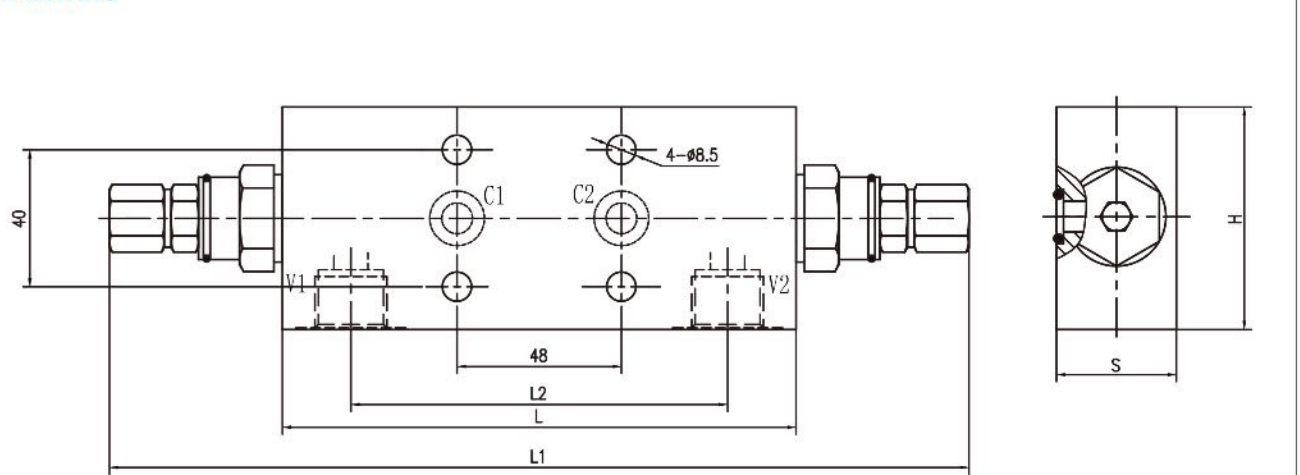
VBCD DE FL CC DOUBLE OVERCENTER FLANGE C/ CLOSED

MODEL	VBCD 1/4 DE FL CC	VBCD 3/8 DE FL CC	VBCD 1/2 DE FL CC
FLOW	25L/min	40L/min	60L/min
PRESSURE	350bar		
LEAKAGE	2 drops/minute, at 80% set pressure		
RATIO	4.5:1		
APPLICABLE MEDIA	Hydraulic oil		
OIL VISCOCITY	10-200cst		
OIL TEMPERATURE RANGE	-20°C- +80°C		

FLOW-PRESSURE
LOSS CURVE



DRAWING



MODEL	VI/V2	C1/C2	L	L1	L2	H	S
VBCD 3/8 DE FL CC	G 3/8	Ø9	150	282	110	60	30
VBCD 1/2 DE FL CC	G 1/2	Ø9	150	282	110	60	30

MEMO