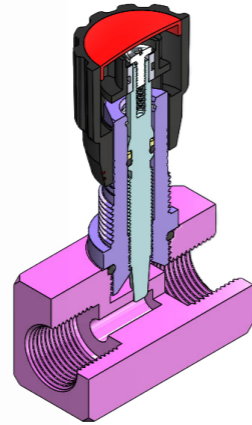


## BIDIRECTIONAL FLOW CONTROL VALVES - FCV SERIES



[CLICK HERE FOR 3D SECTION](#)

### TECHNICAL FEATURES AND OPTIONS



**Working Temperature**  
-20 °C / +80 °C



**Material**  
Carbon Steel



**Operating Pressure**  
Up to 250 Bar



**Available Threads**  
BSP - NPT - SAE

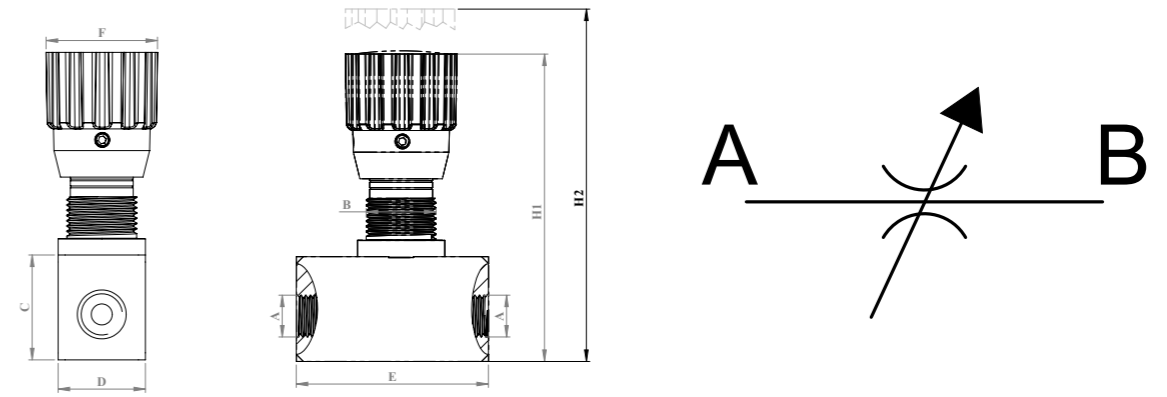


**Available Sizes**  
From 1/4" to 1/2"



**Sealing Description**  
NBR

### TECHNICAL DRAWING



DESCRIPTION	THREAD SIZE(A)	THREAD SIZE (B)	LENGTH								WORKING PREEnsure		RATED FLOW		WEIGHT		
			C	D	E	F	H1	H2	mm	inch	MPa	psi	l/min	gpm	kg	lbs	
OL-06-FCV-G14	G1/4	M20*1.5	C	30	1.18	E	55	2.16	H1	88	3.46	35	5075	20	5.2	0.47	1.034
			D	25	0.98	F	32	1.25	H2	97	3.81						
OL-06-FCV-NPT14	1/4 NPT	M20*1.5	C	30	1.18	E	55	2.16	H1	88	3.46	35	5075	20	5.2	0.47	1.034
			D	25	0.98	F	32	1.25	H2	97	3.81						
OL-06-FCV-SAE4	7/16 -20UNF	M20*1.5	C	30	1.18	E	55	2.16	H1	88	3.46	35	5075	20	5.2	0.47	1.034
			D	25	0.98	F	32	1.25	H2	97	3.81						
OL-10-FCV-G38	G 3/8	M20*1.5	C	30	1.18	E	55	2.16	H1	88	3.46	35	5075	30	7.9	0.45	0.99
			D	25	0.98	F	32	1.25	H2	97	3.81						
OL-10-FCV-NPT38	3/8 NPT	M20*1.5	C	30	1.18	E	55	2.16	H1	88	3.46	35	5075	30	7.9	0.45	0.99
			D	25	0.98	F	32	1.25	H2	97	3.81						
OL-10-FCV-SAE6	9/16-18 UNF	M20*1.5	C	30	1.18	E	55	2.16	H1	88	3.46	35	5075	30	7.9	0.45	0.99
			D	25	0.98	F	32	1.25	H2	97	3.81						
OL-12-FCV-G12	G 1/2	M22*1.5	C	35	1.37	E	65	2.55	H1	94	3.7	35	5075	50	13.2	0.54	1.188
			D	30	1.18	F	32	1.25	H2	103	4.05						
OL-12-FCV-NPT12	1/2 NPT	M22*1.5	C	35	1.37	E	65	2.55	H1	94	3.7	35	5075	50	13.2	0.54	1.188
			D	30	1.18	F	32	1.25	H2	103	4.05						
OL-12-FCV-SAE8	3/14-16 UNF	M22*1.5	C	35	1.37	E	65	2.55	H1	94	3.7	35	5075	50	13.2	0.54	1.188
			D	30	1.18	F	32	1.25	H2	103	4.05						

### MAIN APPLICATIONS



INFORMATION

- FCV Series Hydraulic Bidirectional Flow Control Valves regulate the flow rate in both directions.
- The control knob enables reliable and easy flow adjustment.
- The setscrew on the knob locks the position of the knob and prevents the position changes due to vibration.
- They are widely used, especially in industrial units and elevating work platforms, since they provide precise control of the flow rate.

WARNING

- Please do not expose to abnormal operating conditions. (E.g. oscillations, impulse pressures, water hammering, cavitation, and proportions of solid materials and abrasives)
- Please do not touch the valve, when the working temperature is lower than -20°C or higher than +50°C.
- Make sure the system pressure is below the maximum working pressure.
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of the assembly parts.
- Please ensure that the OLEOCON product you have chosen is compatible with the temperature, material and pressure requirements of your system.
- Please contact OLEOCON technical support for any further questions.