

# Flow control valves

Model	Model Code	Maximum Working Pressure MPa	Rated Flow, Max. Flow L/min											Page
			1	2	5	10	20	50	100	200	500	1000	2000	
One-Way Restrictors (threaded connection)	FN (1)	14	[Bar chart showing flow up to 10 L/min]											D1-1
One-Way Restrictors (gasket mounting)	FN (1) G	14	[Bar chart showing flow up to 10 L/min]											D2-1
	TFNCG	31.5	[Bar chart showing flow up to 10 L/min]											D3-1
Restrictors	TFNG		[Bar chart showing flow up to 10 L/min]											
Temperature Compensated Flow Control Valves (with Check Valve)	LFCG-02	21	[Bar chart showing flow up to 10 L/min]											D4-1
	FCG	21	[Bar chart showing flow up to 10 L/min]											D5-1
Temperature Compensated Flow Control Valves	FG		[Bar chart showing flow up to 10 L/min]											

Flow control valves are used mainly to control speed of actuators. Flow control valves basically are of types, 1) simple variable throttles which adjust the area of the flow passage and changes in load (pressure) will vary the flow, 2) pressure compensated valves which automatically maintain stable flow even over changes in load (pressure), or 3) pressure and temperature compensated valves which automatically maintain stable flow even over changes in load and temperature (viscosity). Valve should be selected to fit the purpose.