

# FLOW CONTROL VALVE



## Feed Control Valves

These Valves are the combination of flow control valve, a deceleration valve and a check valve and used mainly for controlling rapid traverse and feed cycle in machine tools. Switching from rapid traverse to feed is made by a cam operation and fine feed control is accomplished by dial rotation regardless of pressure and oil temperature variation. Rapid return is free of cam actuation.



## Flow Control and Check Valves

These Valves are pressure and temperature compensating type valves and maintain a constant flow rate independent of change in system pressure (load) and temperature (Viscosity of the fluid). They Control flow rate of the hydraulic circuit and eventually control speed of the actuator precisely. Valves with an integral check valve allow a controlled flow and reverse free flow.



## Throttle and Check Valve

This valve is used to regulate an actuator speed in a circuit where line pressure is almost steady and small fluctuation of oil flow due to pressure changes is permitted. Integrated check valve allows reversed free flow from outlet to inlet port.



## Deceleration & Check Valve

ZG03 Deceleration and Check Valve Distributor in Chennai. These valves are available either with or without an integral check valve which allows free reverse flow. Flow rate through the valve is regulated by the movement of the spool, which is operated by a cam. When the spool is depressed, the flow is decreased in Normally Open type valves and increased in normally Closed type valves. Their principal use is to control the speed of actuators in machine tools and similar application