G-60

PRESSURE REDUCING VALVE



G 60/62 and G 63, hydraulic pressure reducing valves.

The main valve is controlled by an adjustable pilot valve preset to the required downstream set pressure.

The valve maintains constant downstream pressure at varying pipeline inlet pressure or downstream flow demand.

The operation of the valve does not require additional power source; it is actuated by pipeline pressure.

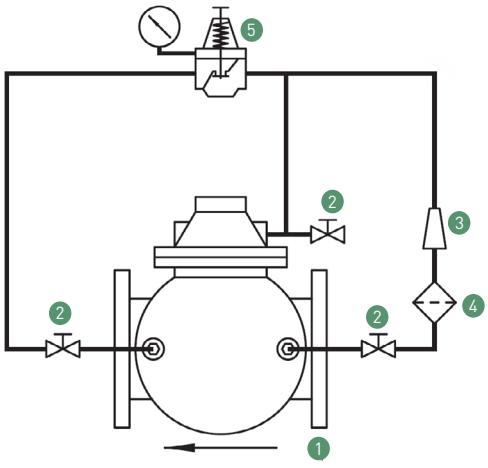
PRINCIPLE OF OPERATION

When the pressure falls below the value set by the pilot spring (7) due to increasing flow demand, the pilot is activated and releases the pressure from the main valve (1) control chamber. The main valve opens, thus increasing the outletput pressure.

When the outletput pressure becomes higher than the pilot spring's preset value (2), the pilot is activated, which causes higher pressure in the main valve's control chamber (1). The main valve closes, thus decreasing the outlet input pressure back to set pressure.

TYPICAL APPLICATIONS

The Pressure Reducing **G-60** type valve is used for controlling pressure in distribution pipelines of municipal and main water supply lines and heating main lines.



G-60 Pressure Reducing Control Valve

Ref	Name
1	Main valve
2	Cock Valve
3	Filter
4	Needle Valve
5	Pressure Reducing Pilot