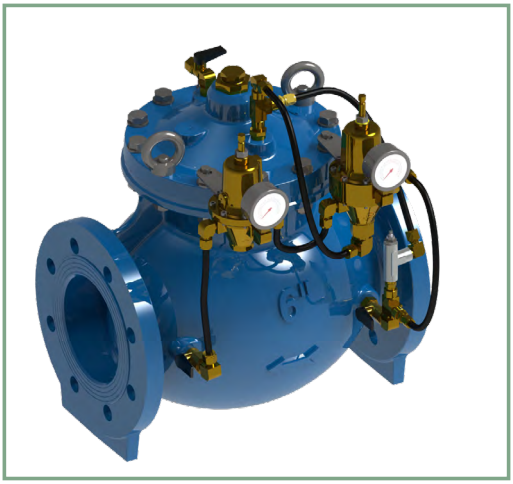
G-68

PRESSURE REDUCING & SUSTAINING VALVE



G-68 is controlled by two pilots for regulating the upstream and downstream pressure.

As a result of the serial operation of the two pilots, maximum constant downstream set pressure is maintained, while at the same time mantianing minimum set pressure the valve inlet

PRINCIPLE OF OPERATION

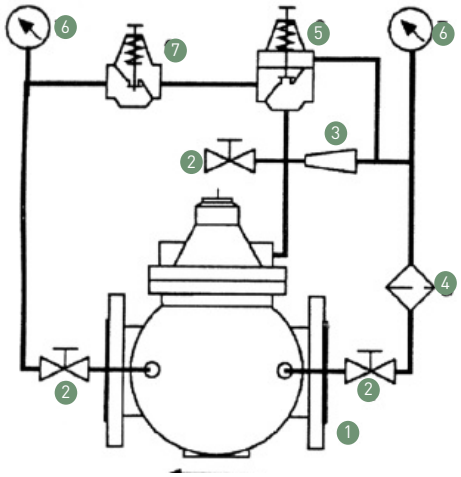
When the outlet pressure becomes lower than the pilot spring's preset value (7), the pilot is activated and releases the pressure from the main valve's control chamber. The main valve opens, thus increasing the outlet pressure.

When the outlet pressure becomes higher than the pilot springs's preset value (7), the pilot is activated, which leads to higher pressure in the main valve's control chamber. The main valve closes, thus decreasing the outlet pressure.

When the inlet pressure in the pipeline falls to a level that is lower than the pilot springs preset value (5), the pilot (5) is activated, which leads to higher pressure in the main valve's control chamber.

TYPICAL APPLICATIONS

The Pressure Reducing & Sustaining **G-68** type valve is used for controlling pressure in distribution pipelines of municipal and main water supply lines.



G-68 Pressure Reducing & Sustaining Control Valve

Ref	Name
1	Main valve
2	Cock Valve
3	Needle Valve
4	Filter
5	Control Pilot (upstream)
6	Manometer
7	Control Pilot (downstream)