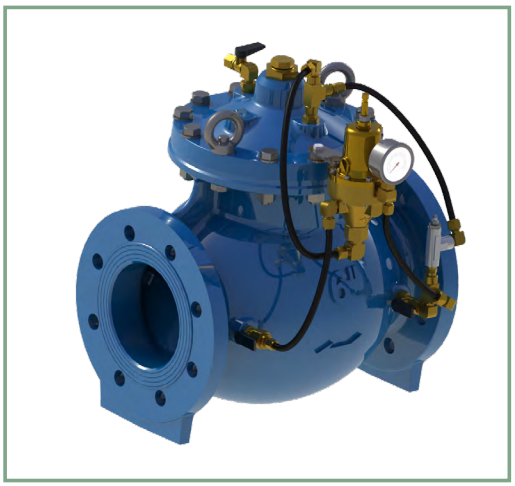
G-80 (80Q)

PRESSURE SUSTAINING/RELIEF VALVE



G 80/82 hydraulic pressure reducing valves.

The main valve is used for upstream pressure sustaining or relief.

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

The valve controlls regardless of flow demand.

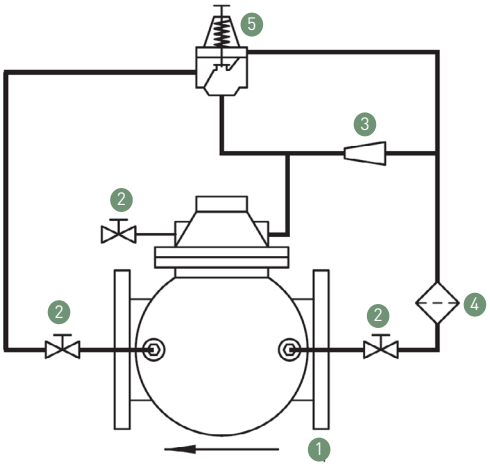
PRINCIPLE OF OPERATION

When the inlet pressure becomes higher than the preset value, the pilot (4) is activated to open and releases the pressure from the main valve's control chamber. The main valve opens, thus reducing the inlet pressure.

When the inlet output pressure falls below preset the value. the pilot is activated to close, which causes higher pressure in the main valve's control chamber. The main valve closes, thus increasing the inlet pressure.

TYPICAL APPLICATIONS

The Sustaining /Relief **G-80** type is used for pressure control of pipelines, municipal and main water supply lines and heating main lines, as well as for protection of pumping equipment and the pipelines against low or high pressure.



G-80 Sustaining/Relief Control Valve

Ref	Name
1	Main valve
2	Cock Valve
3	Filter
4	Control pilot
5	Manometer