



Pilot Valves

Model PC

Arad Pilot Valves PC work together with BM/BMA series high pressure Hydrometers or with KBJ/KBJA series high pressure metering valves in automated environments requiring pressure regulation. These pilot valves are also compatible with valves and hydrometers from many other manufacturers.

These valves may be used in a variety of control applications. The pressure regulating model is available in normal pressure or low pressure configurations.

The pilot valve body is made of high quality reinforced plastic.

Calibration may be performed by means of an adjusting screw located on the top of the valve.

Applications

The model PC pressure regulating pilot valve is used in pressure reducing and pressure sustaining applications. Hydrometer with pressure regulating pilot valve restricts outlet pressure. Hydrometer with pressure sustaining pilot valve allows valve opening only when inlet pressure is higher than the desirable minimal pressure. Two pressure regulating pilot valves may be combined together to form a two stage operation, combining both pressure reducing and pressure sustaining functions in order to prevent water flow during pipeline filling.

Sustaining/Reducing Pressures according to Pilot types:

| Unit Type | Pressures | |
|-----------|-----------|-----------|
| | BAR | psi |
| Blue | 0.3-1.4 | 5-20 |
| Green | 1-3 | 14.5-43.5 |
| Gray | 2-8 | 29-116 |

Technical Specifications

| | |
|------------------------------|---------|
| Maximum Working Pressure | 10 bar |
| Maximum Working Temperature | 70°C |
| Pressure regulation accuracy | 0.3 bar |
| Body | Plastic |

Typical Pressure Regulating Environment

