

## ● DESCRIPTION

Armaş "PR" model pressure reducing control valve is the hydraulic control valve which reduces high upstream pressure value into desired lower pressure value by means of built-in pressure reducing pilot valves. Pressure reducer control valve controls downstream pressure value continuously and maintains it constant without being affected from flow rate and upstream pressure values. When no flow exists in the system, it is closer by itself automatically. When valve upstream pressure value decreases below adjusted downstream pressure value, it is opened fully by itself.

## ● PURCHASE SPECIFICATIONS

The valve will be diaphragm actuated disc closing automatic hydraulic control valve which works with line pressure. Double-chamber diaphragm actuator provides quicker and non-impact opening/closing thanks to disc-closing valve design and prevents blockage by showing less sensitivity against solid substances within fluid.

## ● ORDER INFORMATION

Please submit following information to our sales department while ordering.

Maximum flow rate	: m <sup>3</sup> /h
Maximum network/line pressure	: bar
Main line size	: mm
Valve connection type	: ---
Maximum upstream pressure	: bar
Minimum upstream pressure	: bar
Desired downstream pressure	: bar

## ● CONTROL SYSTEM COMPONENTS

- 1 Pressure Reducing Pilot Valve
- 2 Ball Valves
- 3 In-line Finger Filter
- 4 Pressure Gauge
- 5 Adjustment Bolt

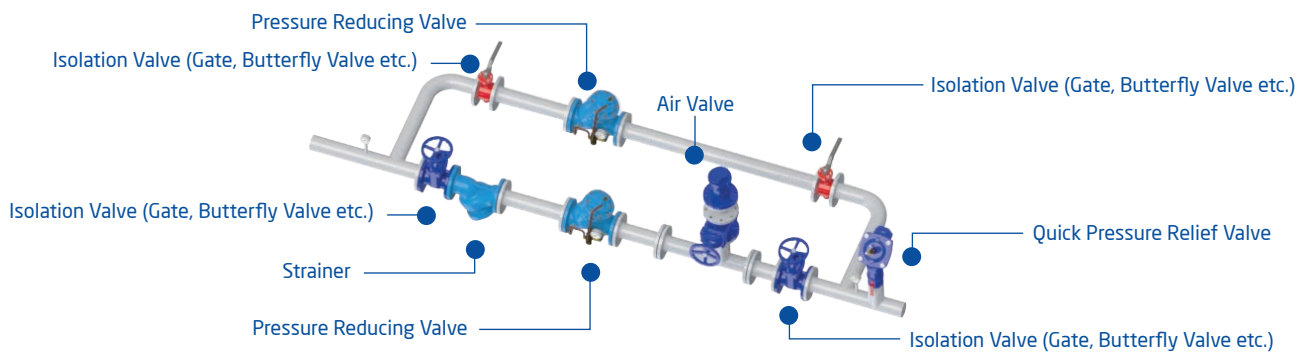
## ● QUICK SIZING

Valve size same as main line or one size smaller.  
Maximum flow speed for continuous operation 5.5 m/sec  
(18 ft/sec)

## ● 3-WAY PILOT OPERATING

3-way pilots are recommended to use at the application which has very close values between upstream and set pressure because of 3-way pilots provide less head loss.

## TYPICAL APPLICATION



Armaş Pressure Reducing Valves reduce pressure to setted downstream pressure value without affecting upstream pressure value at pressure chambers and supplying lines.