

RAF-P 8R

Pressure Sustaining/Relief Plastic Control Valve

3-W Plastic Pilot

The **RAF-P 8R** pressure sustaining control valve is line pressure hydraulically actuated, 3-W plastic pilot. The **RAF-P 8R** pressure sustaining control valve maintains a minimum upstream pressure, as set on the 3-W pressure sustaining plastic pilot, regardless of flow fluctuations. The **RAF-P 8R** will gradually open when upstream pressure exceed 3-W pilot set pressure. The 3-W pilot configuration together with Raphael's patented diaphragm enables smooth and precise upstream pressure control.

Setting Range: 0.8 to 7 bar



MARKETS



Green house



Landscape



Open field Irrigation

TECHNICAL DATA

Fluid: raw water or filtered water

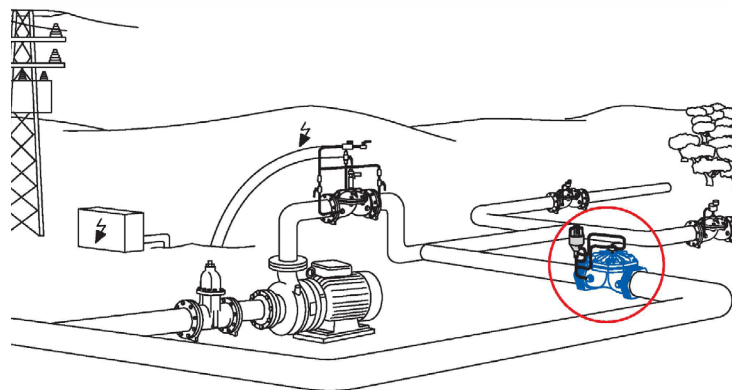
Nominal Diameter (DN):
from 40 to 100mm (1.5" to 4")

Available connections end:
Flanged, Threaded, grooved

Nominal Pressure (PN): 10 bar

Medium Temperature: up to 70 °C

Body material: glass reinforced nylon



TYPICAL APPLICATIONS

- Pump over pressure discharge
- Priorisation of upstream zone
- Prevents from line emptying
- Automatic filter head control, maintain flushing pressure

ADJUSTMENTS

Turning the adjusting screw counter clockwise (-) pressure will decrease.

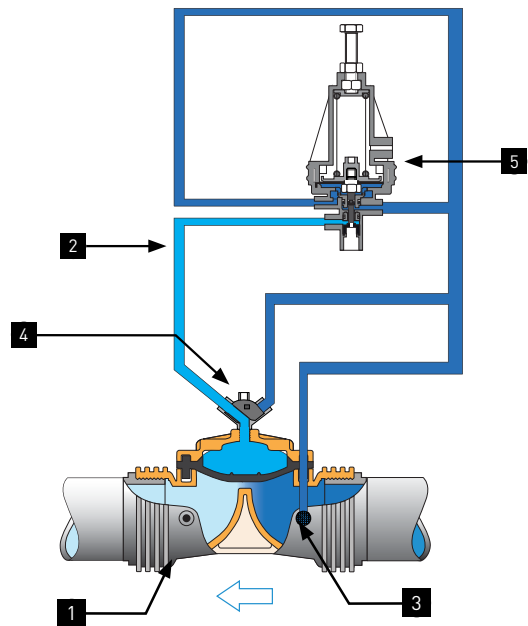
Turning the adjusting screw clockwise (+) pressure will increase.

FEATURES

- Basic RAF-P valve
- Self-cleaning screen filter
- 3-W PMSR plastic pilot
- 3-W cock valve
- Polyethylene plastic tubing
- Pressure check point

OPTIONAL FEATURES:

- Glycerin filled pressure gauge
- Shuttle T relay (for hydraulic command)
- Galit relay (for hydraulic command)
- Solenoid (for electric command)



RAF-P 8R Pressure Sustaining Plastic Control Valve

Nominal Diameter		Max. Flow Rate	
mm	inch	m3/h	gpm
40	1.5	35	154
50	2	35	154
65	2.5	47	207
80	3	47	207
80S	3S	111	489
100	4	111	489

Nominal diameter only, for full dimensions please refer to engineering bulletin.

Ref	Name
1	RAF-P plastic valve
2	Plastic Tubing
3	Self-cleaning screen filter
4	3W selecting cock valve
5	3 Way PMSR Pilot

SPRING SELECTION

Setting range [Bar]	Color of spring
1-7 (standard)	Green
0,8-3	Red