

## RAF SERIES - PN16

### RAF 62

#### Pressure Reducing Control Valve

#### 2-W Mini Pilot

The RAF 62 pressure reducing valve is line pressure hydraulically actuated, 2-W pilot.

The 2-W pressure reducing pilot valve has a spring-loaded membrane, downstream sensitive and can be preset to a desirable downstream pressure.

The RAF 62 maintains a constant downstream pressure, as set on the 2-W pressure reducing pilot regardless of flow changes, or upstream pressure changes.

The 2-W pilot configuration together with Raphael's patented diaphragm enable smooth and precise downstream pressure control.

Maximal Nominal Pressure: 16 bar

Setting Range: 0.5 - 16 bar



#### MARKETS



Green house



Landscape



Mechanised Irrigation



Open field Irrigation



Water Transmission

#### TECHNICAL DATA

**Fluid:** Fluid: raw water or filtered water

**Nominal Diameter (DN):** from 25 to 150 mm (1" to 6D")

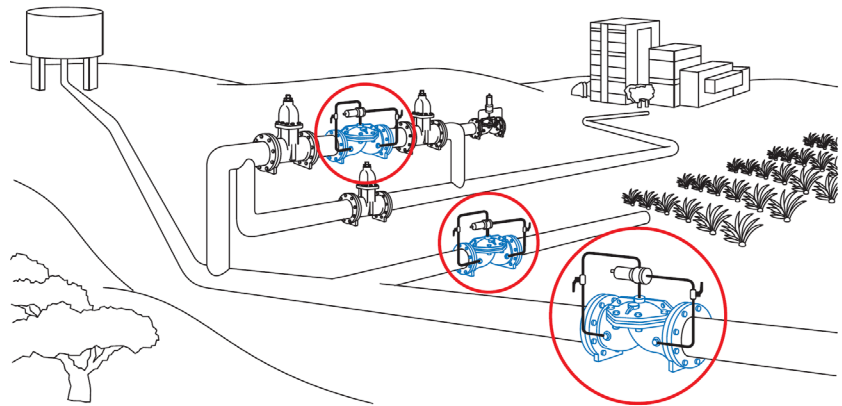
**Available connections:** Flanged, Threaded or Grooved

**Nominal Pressure (PN):** 16 bar

**Medium Temperature:** up to 70 °C

**Body material:** Ductile Iron

**Standard Controls:** Pressure reducing valve controls with Raphael's 2-W pressure reducing brass pilot P-162 reinforced plastic tubing and brass fittings.



#### TYPICAL APPLICATIONS

- Water supply systems with medium pressure rating.
- Irrigation water distribution and field control.

#### ADJUSTMENTS

Downstream pressure adjustment up to 16 bars.

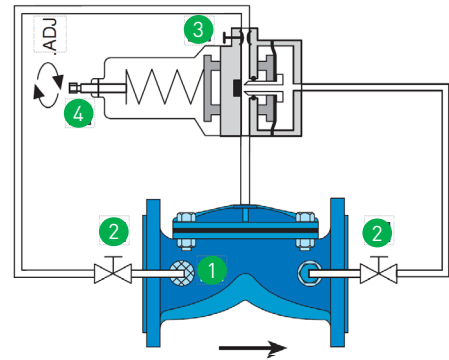
For pressure setting by pilot screw adjustment, please refer to available springs list.

## FEATURES

- RAF valve two-layered Epoxy-polyester coated
- Self-cleaning screen filter
- 2-W pilot P-162
- Built-in needle valve
- Reinforced plastic tubing
- Glycerin filled pressure gauge

## OPTIONAL FEATURES:

- Rilsan coating
- Large capacity external filter
- Stainless steel pilot with built-in needle valve
- Copper and stainless steel tubing
- Pressure check point



RAF-62 2-W Pressure Reducing Control Valve

Ref	Name
1	Self-cleaning screen filter
2	Cock valve
3	Built-in needle valve
4	2-W pilot P-162

Nominal Diameter		Recommended Flow Rate			
		[m <sup>3</sup> /h]		[gpm]	
mm	inch	Min.	Max.	Min.	Max.
25	1	1	22	4	97
40	1.5	1	25	4	110
50	2	3	41	13	180
65	2.5	4	70	18	308
80-65-80	3D	4	70	18	308
80	3	7	95	31	418
100-80-100	4D	7	95	31	418
100	4	15	177	66	779
125-100-125	5	15	177	66	779
150-100-150	6D	15	177	66	779

## SPRING SELECTION

### Pilot P-162

Setting range [Bar]	Color of spring
2-12 (standard)	Green
0.5-8	Red
2-16	Yellow

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