

RAF SERIES - PN16

RAF 63B31

Electric Pressure Reducing Control Valve

3-W Metal Pilot

The RAF 6331B is an electric On/Off valve, controlled by a 3-W metal solenoid valve (N.O.).

When the solenoid is energized the valve opens and acts as a pressure reducing valve, maintaining a preset downstream constant pressure, regardless of the flow-rate or upstream pressure fluctuations.

The 3-W metal pilot has a spring loaded membrane that can be preset to a desirable downstream pressure.

Setting Range: 0.5 to 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 400 mm (1" to 16")

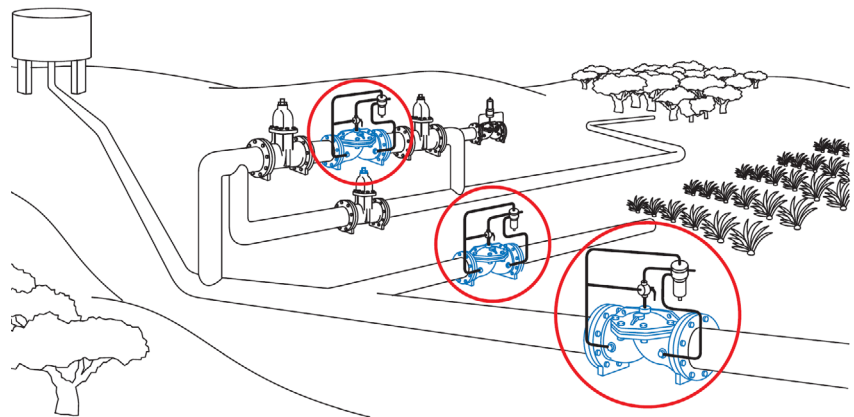
Available connections: Flanged, Threaded or Grooved

Nominal Pressure (PN): 16 bar

Medium Temperature: up to 70 °C

Body material: Ductile Iron

Standard Controls: Pilot circuit protected by a selfflushing finger filter, installed in the water inlet of the valve: maintenance free.



TYPICAL APPLICATIONS

- Water supply systems
- Pressure reducing station
- Irrigation water distribution
- Water treatment center
- Remote operation of valve by electric command

ADJUSTMENTS

Downstream pressure adjustment up to 16 bars.

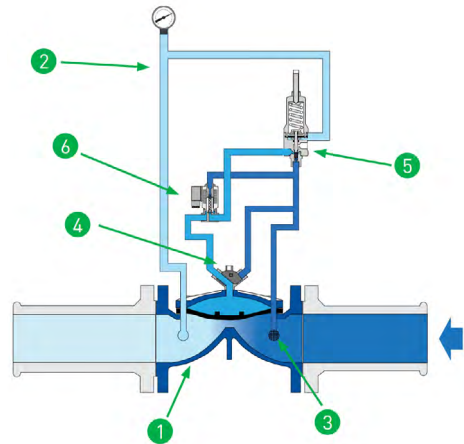
For pressure setting by pilot screw adjustment, please refer to available springs list.

FEATURES

- RAF valve two-layered Epoxy-polyester coated
- Self-cleaning screen filter
- 3-W pilot P-683
- 3-W Selecting cock valve
- Reinforced plastic tubing
- Glycerin filled pressure gauge
- Power source - 24V (AC) 50/60 Hz

OPTIONAL FEATURES:

- Rilsan coating
- Large capacity external filter
- Stainless steel pilot
- Copper and stainless steel tubing
- Pressure check point
- Power source 110/220 VAC & 9/12V/24 VDC



RAF-6331B 3-W Pressure Reducing Control Valve

Ref	Name
1	Main valve
2	Pipe
3	Self-cleaning screen filter
4	3W selecting cock valve
5	3W Pilot P-683
6	Solenoid (N.O.) 24 VDC

Nominal Diameter		Recommended Flow Rate			
		[m³/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
150	6	15	240	66	1056
200	8	40	430	176	1893
250	10	80	822	352	3618
300	12	100	822	440	3618
350-300-350	14D	100	822	440	3618
350	14	200	1170	880	5150
400	16	200	1233	880	5428

SPRING SELECTION

Pilot P-683

Setting range [Bar]	Color of spring
2-12 (standard)	Green
0.5-8	Red
3-16	Yellow

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