

RAF SERIES - PN16

RAF 33

Electric Control Valve (N.O.)

3-W Metal Solenoid

The RAF 33 electric valve is a Normally Open (N.O) line pressure hydraulically actuated.

The 3-W electric solenoid valve changes positions:

The RAF 33 (N.O) opens when 3-W solenoid valve is de-energized.

The RAF 33 (N.O) shuts-off when 3-W solenoid valve is energized.

The 3-W electric solenoid valve configuration together with Raphael's patented diaphragm enables smooth opening and surge free shut-off.

Maximal Nominal Pressure: 16 bar



MARKETS



Green house



Landscape



Mechanised Irrigation



Open field Irrigation



Water Transmission

TECHNICAL DATA

Fluid: raw water or filtered water

Nominal Diameter (DN):
from 25 to 400 mm (1" to 16")

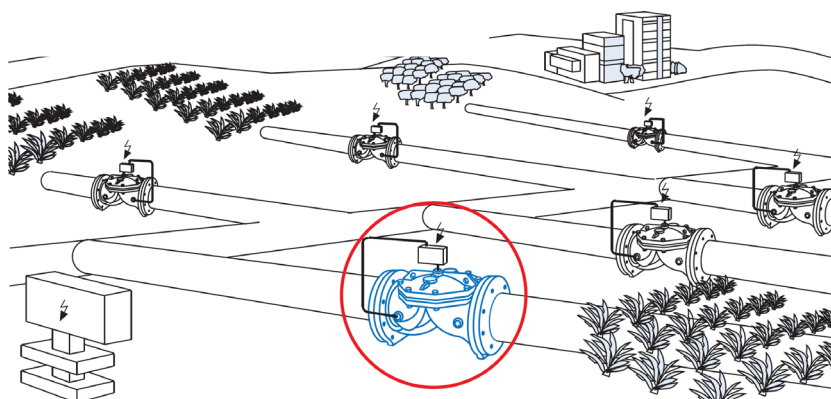
Available connections: Flanged, Threaded or Grooved

Nominal Pressure (PN): 16 bar

Medium Temperature: up to 70 °C

Body material: Ductile Iron

Standard Controls: Electric valve controls with Raphael's 3-W solenoid, activated by any voltage, reinforced plastic tubing and brass fittings.



TYPICAL APPLICATIONS

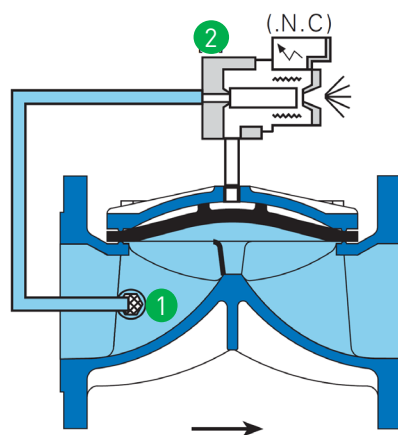
- Water supply systems with medium pressure rating
- Remote operation of hydraulic valve by an electric command
- Irrigation water distribution and field control

FEATURES

- RAF valve two-layered Epoxy-polyester coated
- Self-cleaning screen filter
- 3-W (N.C.) metal solenoid
- Reinforced plastic tubing
- Power source - 24V (AC) 50/60 Hz

OPTIONAL FEATURES:

- Rilsan coating
- Large capacity external filter
- 2-W (N.C.) metal solenoid
- Copper and stainless steel tubing
- Power source - 110V, 220V (AC) & 9 V, 12V, 24V (DC)



RAF-33 3-W Electric Metal Solenoid Control Valve (N.O.)

Ref	Name
1	Self-cleaning screen filter
2	3W (N.C.) metal solenoid

Nominal Diameter		Max. Flow Rate	
mm	inch	m ³ /h	gpm
25	1	22	97
40	1.5	25	110
50	2	41	180
65	2.5	70	308
80-65-80	3D	70	308
80	3	95	418
100-80-100	4D	95	418
100	4	177	779
125-100-125	5	177	779
150-100-150	6D	177	779
150	6	240	1056
200	8	430	1893
250	10	822	3618
300	12	822	3618
350-300-350	14D	822	3618
350	14	1170	5150
400	16	1233	5428

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