

# Minimatic

Modulating Control Valves



**HIGH QUALITY • COMPETITIVE • COMPACT**



## Minimatic Control Valves

2-Way Modulating or 3-Way Mixing or Diverting Compact Competitive Flow Control Valves DN 15 to DN 50 Screwed or DN 15 to DN 40 Flanged connections. The Minimatic Control Valve provides efficient Modulating Control of liquids, steam, air or gases.

## Main Features

- Lightweight for ease of handling
- Compact for when space is limited
- Robust design for minimal maintenance
- All valves incorporate our new “Low Fugitive Emission” maintenance free gland seals
- 2 way or 3 way body configurations
- Cast Bronze for pressures up to 16 Bar and 180°C
- Investment cast 316 stainless steel bodies for pressures up to 25 Bar and 180°C
- Pneumatic actuator - spring return
- Stainless steel replaceable seat
- Equal percentage 2 way
- Linear characteristic 3 way



**NORTHVALE KORTING LTD**

# Minimatic

## Modulating Control Valves



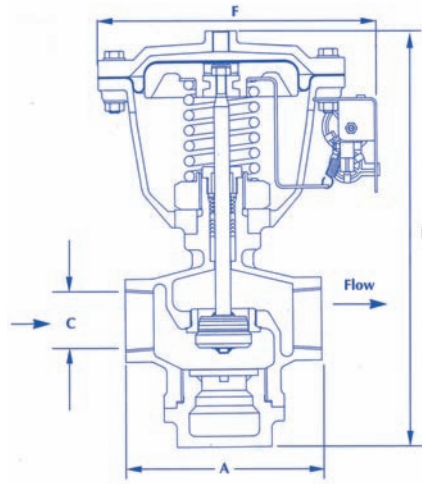
### Fig. 74AK-75AK Proportional Control Valves Screwed

Fig. 74AK 2-Way equal percentage, Fails closed  
 Fig. 75AK 3-Way linear. Fails to top seat

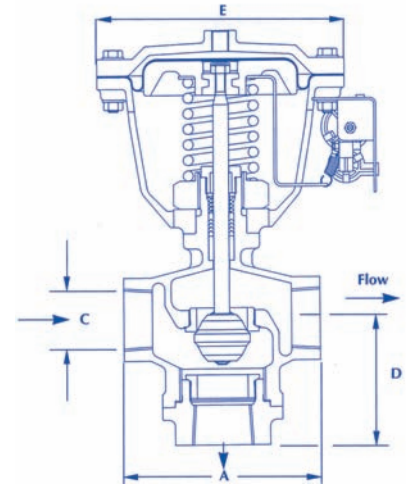
- Body material**
- Gunmetal
  - Stainless Steel\*
- Maximum working pressure**
- 16 bar g
  - 25 bar g
- Saturated steam**
- 9 bar g
  - 9 bar g
- Maximum temperature**
- 180°C
  - 180°C
- Maximum Main Air Supply**
- 2.5 bar g
- Maximum Main Air Supply To Positioner**
- 2.5 bar g
- Trim material**
- 316 Stainless Steel
  - 316 Stainless Steel

\*Investment cast stainless steel (316) rated at 25 bar g only available in 1/2", 3/4" & 1" sizes

### Fig. 74AK



### Fig. 75AK



**Note:** For clarification purposes only, the positioner shown in these drawings is turned through 90°. Actual mounting is parallel with the body connections as shown in the photograph.

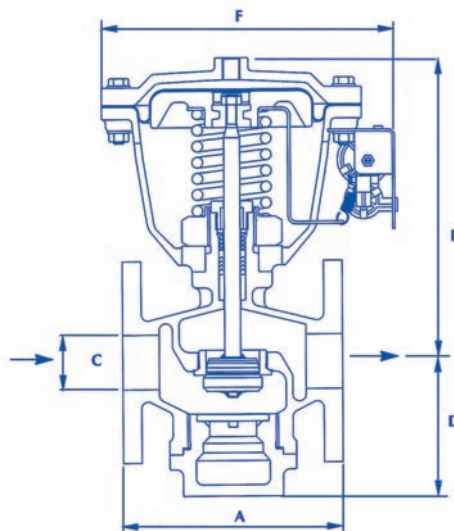
Size	Kv	Diaphragm Area (sq. cm)	A	B	C	D	Top Cover Dia. E	F AK Pos
1/2"	2.5	5	88	200	1/2"	54	130φ	146
3/4"	2.5	6	88	200	3/4"	54	130φ	146
1"	10	56	104	220	1"	66	130φ	146
1 1/2"	25	134	155	345	1 1/2"	99	195φ	212
2"	40	134	178	350	2"	99	195φ	212

### Fig. 77AK-78AK Flanged

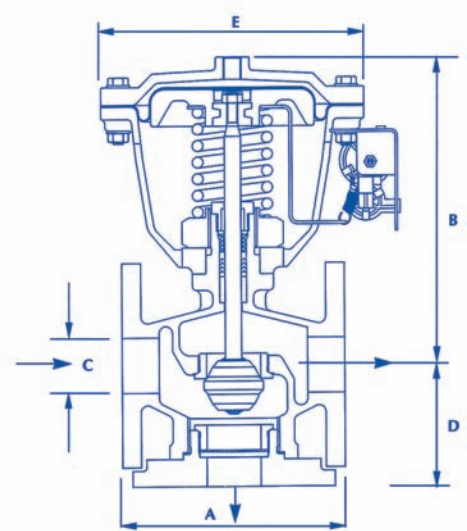
Fig. 77AK 2-Way equal percentage, Fails closed  
 Fig. 78AK 3-Way linear. Fails to top seat

- Body material**
- Gunmetal
- Maximum working pressure**
- 16 bar g
- Saturated steam**
- 9 bar g
- Maximum temperature**
- 180°C
- Maximum Main Air Supply (To Positioner)**
- 2.5 bar g
- Trim material**
- Metal seated

### Fig. 77AK



### Fig. 78AK



**Note:** For clarification purposes only, the positioner shown in these drawings is turned through 90°. Actual mounting is parallel with the body connections as shown in the photograph.

Size	Kv	Diaphragm Area (sq. cm)	A	B	C	D Fig. 77	D Fig. 78	Top Cover Dia. E	F AK Pos
1/2"	2.5	5	152	122	15	54	70	130	146
3/4"	2.5	6	152	122	20	54	70	130	146
1"	10	56	159	134	25	66	76	130	146
1 1/2"	25	134	165	226	40	99	89	195	212