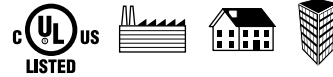


Flow Switches – Air

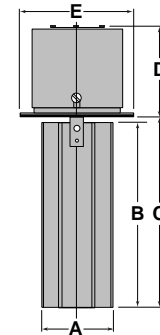
Series AF3 Air Flow Switches



- For general purpose low velocity applications where the most economical flow switch is desired
- Paddle fits 8" (203mm) minimum duct size
- Two electrical knock-outs allow connection from either end
- Brass, steel and aluminum construction
- Single pole, double throw snap switch
- Sensitivity adjusting screw makes flow adjustment easy
- Can be equipped with a time delay relay
- Optional feature
 - Two SPDT snap switches
- Minimum ambient temperature 32°F (0°C)
- Maximum duct temperature 275°F (135°C)



Series AF3



Electrical Ratings

| Voltage | Motor Switch Rating (Amperes) | | Pilot Duty |
|---------|-------------------------------|--------------|--|
| | Full Load | Locked Rotor | |
| 120 VAC | 7.4 | 44.4 | 125 VA at 120 or 240 VAC 50 or 60 cycles |
| 240 VAC | 3.7 | 22.2 | |

Dimensions, in. (mm)

| A | B | C | D | E |
|------------------------------------|-------------------------------------|---|-------------------------------------|-------------------------------------|
| 2 ³ / ₄ (70) | 7 ¹ / ₈ (181) | 7 ¹¹ / ₃₂ (186.5) | 3 ⁷ / ₁₆ (87) | 4 ³ / ₈ (111) |

Ordering Information

| Model Number | Part Number | Description | Weight lbs. (kg) |
|--------------|-------------|-----------------------------------|------------------|
| AF3 | 123400 | Air flow switch - medium velocity | 1.7 (.8) |
| AF3-D | 123450 | AF3 w/2 SPDT switches | 2.0 (.9) |

Flow Rates – feet per minute (meters per minute) using standard paddle

Horizontal Duct (Recommended Installation)

| Model Number | Settings | Mode of Operation | |
|--------------|--------------------|-------------------|-------------------|
| | | Flow fpm (mpm) | No Flow fpm (mpm) |
| AF3 | Factory or Minimum | 235 (72) | 175 (53) |
| | Maximum | 1445 (440) | 1365 (416) |
| AF3-D | Factory or Minimum | 295 (90) | 220 (67) |
| | Maximum | 1445 (440) | 1000 (305) |

Based on Standard Air 0.075 pounds per Cubic Foot (1.205 kg/m³)
Values are ± 10%

Vertical Duct (Upward Flow)

| Model Number | Settings | Mode of Operation | |
|--------------|--------------------|-------------------|-------------------|
| | | Flow fpm (mpm) | No Flow fpm (mpm) |
| AF3 | Factory or Minimum | 450 (137) | 430 (131) |
| | Maximum | 1470 (448) | 1395 (425) |
| AF3-D | Factory or Minimum | 560 (171) | 540 (165) |
| | Maximum | 1470 (448) | 1030 (314) |

Based on Standard Air 0.075 pounds per Cubic Foot (1.205 kg/m³)
Values are ± 10%