



RAPID CONTROLS

MODEL:-RC-F62AA

**AIR FLOW SWITCH
STANDARD FLOW RATE – S.P.D.T.**

“RC” make Flow Switch is used to detects air flow in ducts, responding only to velocity of air movement. When the air comes in the contact of the paddle. The SPDT contacts make or break and electrical circuit when flow starts or stops.

Can be used in :

- Air duct
- Fast Shut down on Air duct heaters to guard against burning failure

They can be wired to close circuit and open a second circuit. When Air flow either exceeds or drops below the adjusting flow rate.



ELECTRICAL RATING				
Motor rating in Amps.	120 V	208 V	240 V	277 V
Nominal Horsepower	1	1	1	-
A.C. Full Load	16	8.8	8	-
A.C. Locked Rotor	96	52.8	48	-
Non inductive or Resistance Load	22	22	22	22

- Connection type** : Direct-duct mount type
- Type** : On-Line type.
- Max. Temperature** : 60' C
- Min. Liquid Temperature** : 1' C
- Max air velocity** : 2000 fpm (10 m/sec)
- Dimensions** : 10 3/8"n – H (including paddle), 4" -W , 2 3/4" – D.

*SPST Normally closed or normally open rating SPDT rating is 15.0 Amps.

PADDLE	Switch Actuation Flow	Minimum air velocity in FPM (m/sec)			
		HORIZONTAL FLOW		VERTICAL FLOW	
		50 IN2 (323 CM2) OR LARGER Duct area	50 IN2 (323 cm2) Less than 323 (cm)2 duct	50 IN2 (323 CM2) OR LARGER Duct area	50 IN2 (323 cm2) Less than 323 (cm)2 duct area
2 1/8"	Increase (R-Y losees)	635(3.2)	575(2.9)	950(4.8)	750(3.8)
	Decrease (R-Y losees)	325(1.7)	220(1.1)	850(4.3)	575(2.9)
3 1/8"	Increase (R-Y losees)	500(2.5)	350(1.8)	750(3.8)	500(2.5)
	Decrease (R-Y losees)	250(1.3)	100(.5)	650(3.3)	350(1.8)

*These are approximations only actual trip points affected by air turbulence, humidity, air density, air temperature etc.

(The above data is experimental data, it may have a tolerance of 10%)

ALL “RC” MAKE FLOW SWITCHS ARE SET AS FACTORY STANDARD, FINE ADJUSTMENTS MAY REQUIRE WHEN INSTALLED ON LINE.





RAPID CONTROLS PVT.LTD.

B-47, Mayapuri, Indl. Area, Phase-1, New Delhi-64 (India)

Phone - 28117185, 28113873, 28115349, 45128360

E-mail : rapidcontrols@gmail.com, rapidcontrols47@gmail.com

Website : www.rapidcontrols.co.in

**TECHNICAL DATA SHEET
WATER FLOW SWITCHES
MODEL RCF62AA**

S.No.	DESCRIPTION	DETAILS
1	MODEL	RCF62AA
2	MEDIA	AIR
3	COVER	ABS
4	FLAPPER	S.S.
5	BASE PLATE	M.S. BLACK ENAMEL PAINTED
6	SUPPORTING SPRING & SCREWS	S.S.304
7	MICRO SWITCH	SPDT
8	MICRO SWITCH CONTACT	1NO 1NC
9	MICRO SWITCH RATING	220V AC,10Amp Max.
10	CONNECTION TYPE	ON-LINE TYPE
11	FLAPPER SIZE	2"x6"
12	CABLE GLAND	RUBBER GLAND
13	MAX. AIR VELOCITY	2000 Fpm (10 m/sec)
14	OPERATING TEMP. RANGE	1°C to 82°C
15	DEGREE OF PROTECTION	IP 53

