



AIR PURGE VALVES/AUTOVENT

RAPID CONTROLS

RC-AV series are compact, economical models of air purge valves. These valves are been smaller in size, can conveniently be fixed on lines with small space let around.

The RC-AV series are very useful for venting air from water in service lines, hydronic heating and solar systems, storage tanks etc.



PRINCIPLES OF WORKING

- Valve closed, float rises in water holding valve close.
- Valves open. As air accumulates in the top of the body, water level and float go down pulling valve away from seat to allow air to be discharged. As water level rises the float recloses the valve.

DESIGN AND CONSTRUCTION

Design of RC-AV series vent is very simple. It employs to actuate a free floating valve. All working parts are corrosion resistance brass/PP. Unit is designed for working pressure upto 150 P.S.I.G.

"RC" make all variant auto vent comes with shut off valve for easy mounting & removal, when the autovent is unscrewed from the shut off valve. the valve will close automatically.



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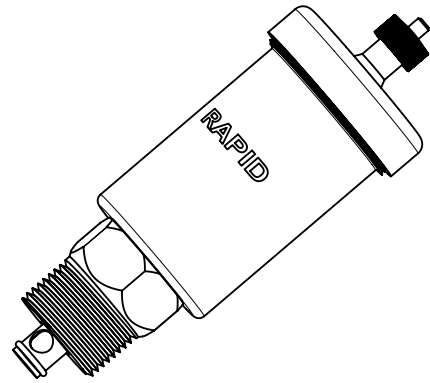
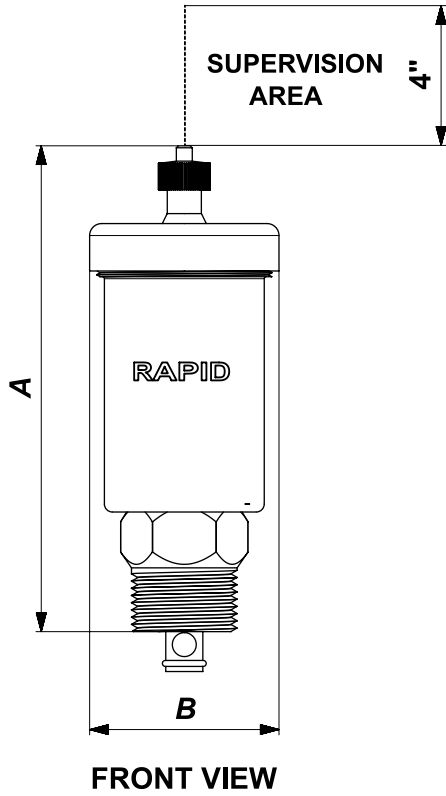
Website : www.rapidcontrols.co.in

**TECHNICAL DATA SHEET
AUTO VENT
(AIR PURGING VALVE)**

S.No	DESCRIPTION	DETAILS
	MAKE	RC
1	TYPE	AUTOMATIC
2	SIZES	10MM 15MM 20MM 25MM
3	SUITABLE MEDIA	WATER
4	BODY	BRASS GRAVITY DIE CAST IS:1264 GRADE DCB-I
5	TOP COVER	BRASS FORGED IS:8737/319 GRADE DCB-I
6	FLOAT	PP/HD/LD
7	ARM	DERLIN
8	O-RING	NBR O-RING
9	SUPPORTING SPRING AND SCREW	S.S.304
10	CONNECTOR	BRASS HEX NUT IS:319 GRADE DCB-I
11	OPERATING TEMPERATURE	0°C TO 120°C
12	WORKING PRESSURE	PN16
13	BODY TEST PRESSURE	24 Bar
14	ORIFICE AREA	VALVE SIZE 10MM - 1.5 mm ² VALVE SIZE 15,20,25MM - 3.2 mm ²



GA DRAWING FOR AUTOVENT



ISOMETRIC VIEW

VALVE SIZE SELECTION	
SIZE	ORIFICE
10MM	1.4MM
15MM	3.2MM
20MM	3.2MM
25MM	3.2MM

FOR SIZES 10MM TO 25MM		
SIZES	A	B
10MM	96MM	33.5MM
15MM	124MM	47.5MM
20MM	126MM	47.5MM
25MM	124MM	47.5MM