



FIG. 1 COOLING FLOW DIAGRAM

- ### COOLING MODE
- A. THE COOLING MODE IS ACTIVATED AT THE MAIN HOUSE THERMOSTAT WITH A MANUAL OR AUTO-CHANGE OVER SWITCH.
  - B. MOTOR ZONE V-1 OPENS AND MOTOR ZONE V-2 CLOSES WHILE A PURGE CYCLE DELAY IS ENGAGED.
  - C. THE CIRCULATION PUMP IS ACTIVATED BY THE MAIN HOUSE THERMOSTAT ON A DEMAND FOR COOLING.
  - D. AFTER SEVERAL MINUTES THE OUTDOOR UNIT IS ACTIVATED AND CHILLS THE CIRCULATING WATER TO THE STANDARD OPERATING TEMPERATURE.
  - E. ZONE THERMOSTATS ARE MANUALLY SET TO COOLING AND CYCLE THE HYDRO-AIR™ FAN COILS AS NECESSARY TO MAINTAIN COOLING SET POINT.

### KEY

		BALL VALVE
		CHECK VALVE
		DRAIN VALVE
		ANTI-SCALD MIXING VALVE w/FULL UNIONS
		BRONZE CIRCULATOR WITH 1/2 UNION CHECK AND 24 HR. TIMER

U.S. Patent 5,944,089. Other U.S. & Foreign patents pending.

## COMFORT HYDRO-AIR™ HEAT/COOL® WITH DOMESTIC HOT WATER

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ZONE DETAIL		
NO.	ROOM	UNIT
1		
2		
3		
4		
5		
6		

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MULTI-ZONE HYDRO-AIR™ HEAT/COOL & HOT WATER  
HIGH EFFICIENCY GEOTHERMAL HEAT PUMP Water-to-Water  
ZONED FORCED AIR HEATING & COOLING WITHOUT DUCT  
COMPLETE HYDRO-PANEL® SCHEMATIC ONLY

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