

FIG. 1 COOLING FLOW DIAGRAM

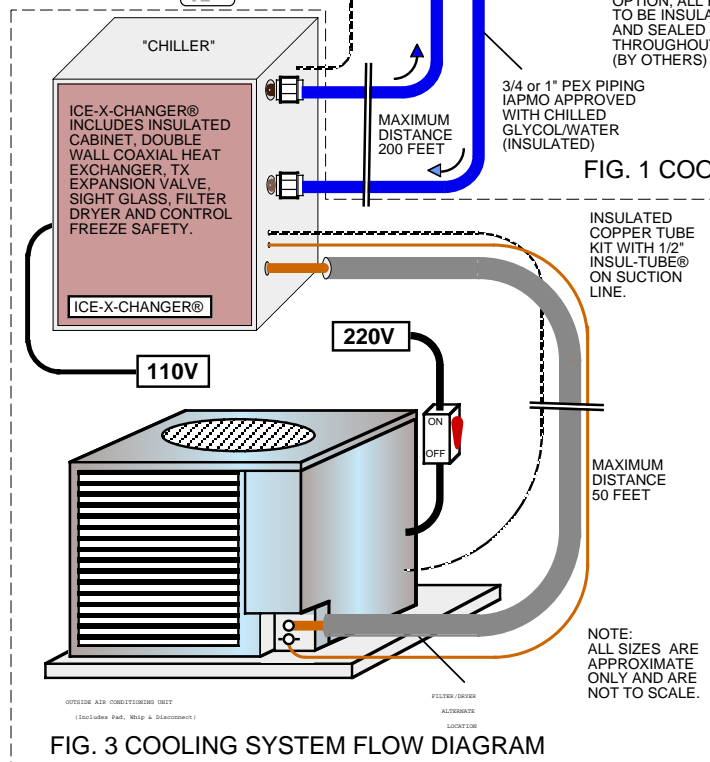


FIG. 3 COOLING SYSTEM FLOW DIAGRAM

- ### 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

	POTABLE WATER EXPANSION TANK WITH NON-FERROUS CONNECTION		BALL VALVE
	PRESSURE/TEMP. RELIEF VALVE		CHECK VALVE
	LINE VOLTAGE OR LOW VOLTAGE T-STAT 2 DEG. F ACCURACY		DRAIN VALVE
	LOW OR LINE VOLT MOTOR ZONE VALVE FOR CHILLED WATER		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

IMPORTANT NOTICE

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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 OUTDOOR AIR CONDITIONING UNIT ZONED FORCED AIR HEATING & COOLING WITHOUT DUCT COMPLETE HYDRO-PANEL® SCHEMATIC ONLY

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SCALE: NA SAMPLE RESIDENCE