



COMFORT HYDRO-RAD™ HEATING WITH DOMESTIC HOT WATER

HEATING CYCLE SHOWN

FIG. 1 GENERAL FLOW SCHEMATIC

- ✓ CLEAN, QUIET, & EFFICIENT ZONED HYDRO-RAD™ HEATING
- ✓ MINIMIZES SPACE REQUIREMENTS WITH NO DUCTING!
- ✓ LONG LIFE, LOW-COST SYSTEM, IS EASY TO INSTALL

KEY

- POTABLE WATER EXPANSION TANK WITH NON-FERROUS CONNECTION
- PRESSURE RELIEF
- LINE VOLTAGE T-STAT 1 DEG. F ACCURACY
- BALL VALVE
- CHECK VALVE
- DRAIN VALVE
- ANTI-SCALD MIXING VALVE w/FULL UNIONS
- BRONZE CIRCULATOR WITH 1/2 UNION CHECK AND 24 HR. TIMER
- BRONZE WATER METER WITH WIRELESS REMOTE TRANSMITTER (OPTIONAL)

- ### FEATURES:
1. QUIET & DEPENDABLE HYDRO-RAD™ ELIMINATES THE NEED FOR DUCTING SYSTEMS.
 2. DUAL GAS-FIRED WATER HEATERS PROVIDES SPACE HEATING AND DOMESTIC HOT WATER.
 3. HEATING IS QUICKLY & QUIETLY DELIVERED TO THE ROOM BY PUMP AND/OR FAN OPERATION.
 4. HYDRO-RAD™ PROVIDES THE ULTIMATE HEATING COMFORT & EFFICIENCY.
 5. LINE VOLTAGE THERMOSTATS DELIVER ACCURACY OF 1 DEG. F WITH NO MERCURY.
 6. HIGH QUALITY PUMPS FEATURE BRONZE UNION FLANGE FOR EASE OF SERVICE.
 7. MINIMUM DAILY CYCLE TIMER DUTY CYCLES PUMPS AND PROVIDES MINIMUM CODE CIRCULATION.
 8. DURABLE HIGH INPUT GAS-FIRED WATER HEATER WITH STANDARD OR SPECIAL VENTING .
 9. ANTI-SCALD MIXING VALVE PROTECTS AGAINST TANK WATER TEMPERATURES OVER 120 DEG. F.
 10. SYSTEM FEATURES FULL SERVICE & BALANCE VALVES WITH NO COMPONENT SHORTCUTS.
 11. LIFETIME FLEXIBLE PIPING IS FAST, DEPENDABLE, AND LOW COST.
 12. WATER HEATERS FEATURE A 6 or 10 YEAR WARRANTY AND ARE APPROVED FOR SPACE HEATING.
 13. SIMPLE DESIGN COMPLETELY ELIMINATES THE NEED FOR THE FOLLOWING EQUIPMENT:
 - ~~BOILER OR FURNACE~~
 - ~~ZONE VALVES~~
 - ~~BACKFLOW PREVENTER~~
 - ~~AIR ELIMINATION SYSTEM~~
 - ~~LOW WATER CUT-OFF~~
 - ~~SECONDARY HIGH LIMIT~~
 - ~~COMBO GAUGES~~
 - ~~PRESSURE REGULATOR~~
 - ~~EXTERNAL PUMP RELAY/TRANSFORMER~~
 - ~~EXTRA EXPANSION TANK~~
 - ~~HEAT EXCHANGER~~
 - ~~BULKY DUCTING SYSTEM~~

IMPORTANT NOTICE

THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF BIO-RADIANT ENERGY, INC. THIS IS ONLY A CONCEPT DRAWING. DESIGNERS MUST DETERMINE WHETHER THIS SYSTEM WILL WORK IN EACH APPLICATION AND MUST ENSURE COMPLIANCE WITH LOCAL CODE REQUIREMENTS.

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

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HYDRO-RAD™ HEATING & HOT WATER
DUAL GAS-FIRED WATER HEATERS
STANDARD VENTING REMOTE LOCATION
COMPLETE HYDRO-PANEL® SCHEMATIC ONLY

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SCALE: NA SAMPLE RESIDENCE