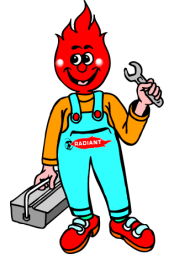


FACT FILE 023

RADIANT BOILER LOSING WATER

1. BOILER WITH NO VISIBLE SIGNS OF LOSING WATER BUT WITH PRESSURE CONTINUALLY FALLING
2. FIRSTLY AFFIX A PLASTIC BAG OVER THE EXPANSION PIPE WITH ELASTIC BAND, MAKE REGULAR CHECKS TO SEE IF ANY WATER COLLECTS
3. SECONDLY CHECK TO ENSURE THE FILLING LOOP IS FULLY TURNED OFF (BEST DISCONNECT THE FILLING LOOP COMPLETELY)
4. TO CHECK BOILER ONLY, PRESSURIZE TO 1.5 BAR THEN TURN OFF BOTH ISOLATING VALVES TO HEATING CIRCUIT (FLOW & RETURN)
4. IF ALL THE ABOVE FAILS TO SHOW SIGNS OF LEAKAGE IN BOILER GO TO 5.
5. A. RELEASE PRESSURE FROM HEATING SYSTEM,
B. CUT FLOW AND RETURN PIPES JUST BELOW CONNECTION OF FILLING LOOP,
C. JOIN FLOW AND RETURN PIPES TO MAKE CIRCUIT,
D. REFILL SYSTEM, RESET PRESSURE IN BOILER UP TO **1.5 BAR**,
E USE SYSTEM, CONSTANTLY CHECK FOR PRESSURE LOSS,
6. IF NO PRESSURE LOSS, HIRE A **FORCE PUMP** FROM LOCAL HIRE TOOL COMPANY, CONNECT ENDS OF THE HEATING SYSTEM,
7. TEMPORARILY FIT A VALVE TO EACH END (ONE FLOW PIPE, ONE TO RETURN PIPE)
8. CONNECT A HOSE TO ONE OF THE VALVES, FILL REMAINING PART OF SYSTEM (USING OTHER VALVE AS AN AIR RELEASE VALVE, WHEN FULL, TURN OFF BOTH VALVES.
9. CONNECT THE FORCE PUMP TO ONE OF THE VALVES, OPEN VALVE & PUMP UP SYSTEM PRESSURE VERY SLOWLY TO **4 BAR**,
10. CHECK ALL JOINTS ON RADIATORS, VALVES, AND HEATING CIRCUIT (DRY TOILET PAPER WRAPPED AROUND JOINT SHOW LEAKS QUICKLY)
11. IF NO VISIBLE LEAKS AT **4 BAR** INCREASE TO **6 BAR** (MAXIMUM REQUIRED PRESSURE) CHECK FURTHER FOR LEAKS IN SYSTEM



REMEMBER IF THE BOILER HAS NO VISIBLE LEAK AROUND BOILER AREA, OR THROUGH THE DISCHARGE PIPE, THEN THERE IS NO WAY THE PRESSURE LOSS CAN BE ATTRIBUTED TO THE BOILER

RADIANT TECHNICAL HELP LINE 01329 - 828555

FACT FILE 1.

Please Note: These Drawings and notes are purely to assist service engineers, the drawings are not to scale just diagrammatic E&OE © 2001