RITE WATER HEATING BOILERS HEAT PUMP PACKAGE
SUGGESTED PIPING FOR 60° TO 90°F WATER SOURCE HEAT PUMP SYSTEMS ONLY

LEGEND:
d = Internal Pipe Diameter
— = By Others
All other piping shown is factory supply and hydrotested as part of Rite's "Heat Pump Package Option"
4 or 8xd = Minimum straight run length of pipe multiplied by the internal diameter of the pipe (in inches).

SET-UP INSTRUCTIONS

1. Provide aquastat in heat pump loop piping where shown to energize boiler and boiler loop pump "E" when heat is required.
2. Set up boiler aquastat to supply 180° to 190°F.
3. Throttle butterfly valve "A" to approximately 90% closed.
4. Make additional fine tune adjustments of butterfly valves "A" and "B" ("B" will be mostly open) until water temperature at thermometer "D" holds between 140° and 150°F. Do not reset valves even if heat pump loop temperature is reset.
5. Mark position of handle on butterfly valve "A". To isolate the boiler for summer cooling mode (or to service the boiler) simply close valves "A" and "C". To restore heat mode, return "A" to marked position and open "C" fully.

Note that reduction in pipe diameter from the nozzle outlet to pump "E" is standard. This arrangement is not intended for use where full system flow through the boiler is required.