

PES20 through PES56
rated Flow and Pressure drop across boiler

| Outlet to Return Water Delta in Fahrenheit | Flow in GPM | Approx. Pressure drop in feet WC | Approx. Pres. Drop in inches WC | Possible* Circulator model | Suggested Header Pipe Diameter |
|--|-------------|--|---------------------------------------|----------------------------------|--------------------------------------|
| 20 KW | | | | | |
| 36°F | 4.00 | 1.42 | 17.06 | Taco 007 | 1.50 Inch |
| 20°F | 7.25 | 5.62 | 67.45 | | |
| 32 KW | | | | | |
| 36°F | 6.25 | 3.18 | 38.14 | Taco 0014 | 2.00 Inch |
| 20°F | 12.00 | 12.58 | 150.95 | | |
| 56 KW | | | | | |
| 36°F | 12.00 | 0.54 | 6.50 | Taco 0012 | 3.00 Inch** |
| 20°F | 25.40 | 2.02 | 24.29 | | |

Main header diameter as in chart

Connections from header to individual boilers are the diameter as leaving boiler

12 thru 20 KW = 1.0 inch

25 and 32 KW = 1.25 inch

36 thru 56 KW = 2.0 inch

Circulators shown are controlled by each individual boiler's controls. This is standard supplied equipment.

*Circulator choice is determined by external piping as well as boiler requirements.

Circulators and flow checks not supplied.

** If four 56KW boilers some installations can be smaller with fewer boilers.