

Technical Bulletin

Product: Greenstar gas fired regular boilers

HYDRAULIC RESISTANCES FOR GREENSTAR GAS FIRED REGULAR BOILERS:

The hydraulic resistance for the heat exchangers of the Greenstar Ri, Ri Compact, CDi and 8000 Regular boilers are confirmed in this technical bulletin.

A heating engineer may need this information when sizing the circulating pump correctly for a heating system.

The line plotted on the graphs represent the hydraulic resistance (pressure drop in metres head) of the boiler heat exchanger at a given flow rate (in litres per hour).

The heating engineer should identify the required design flow rate for the system based on the desired ΔT (delta T).

Referring to the relevant graph for the appliance (and at the chosen design flow rate on the horizontal axis), a vertical line should be drawn. Where this line crosses the plotted line, a horizontal line should be drawn across to the vertical axis of the graph - the corresponding pressure drop value can then be established.

Figure 1: Greenstar Ri Compact pressure loss graph

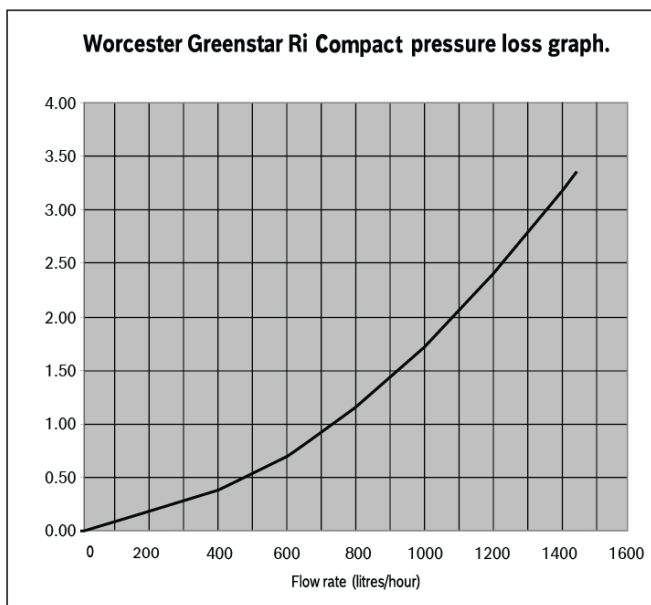


Figure 2: Greenstar Ri pressure loss graph

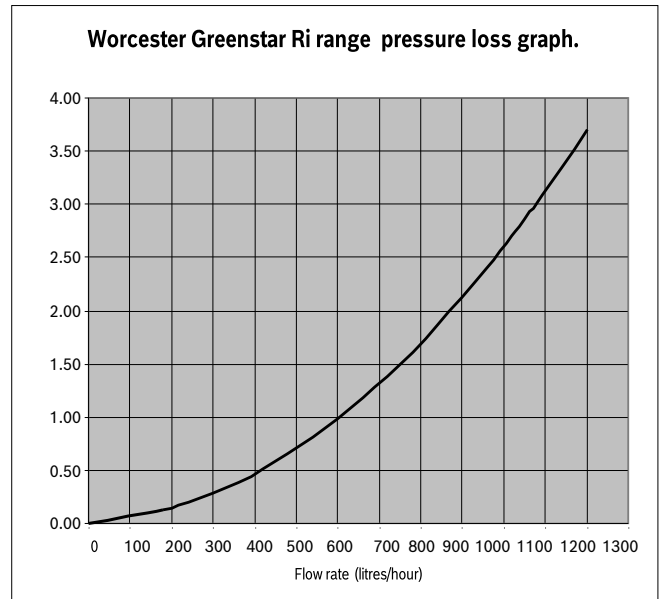
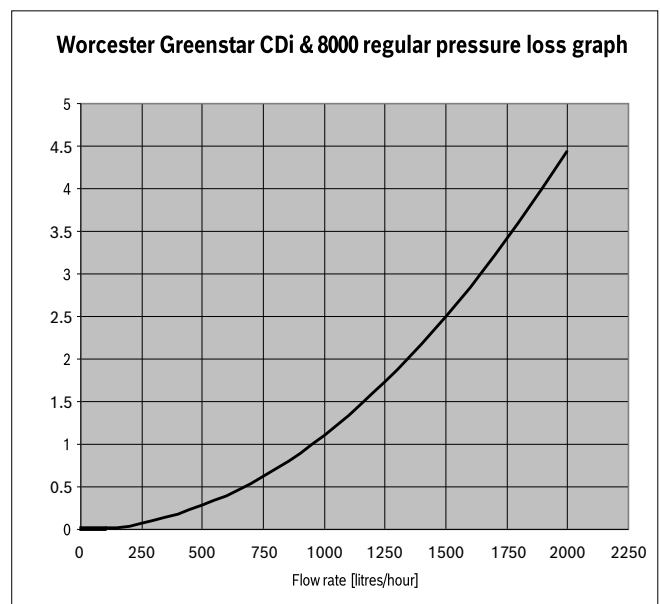


Figure 3: Greenstar CDi & 8000 regular pressure loss graph



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