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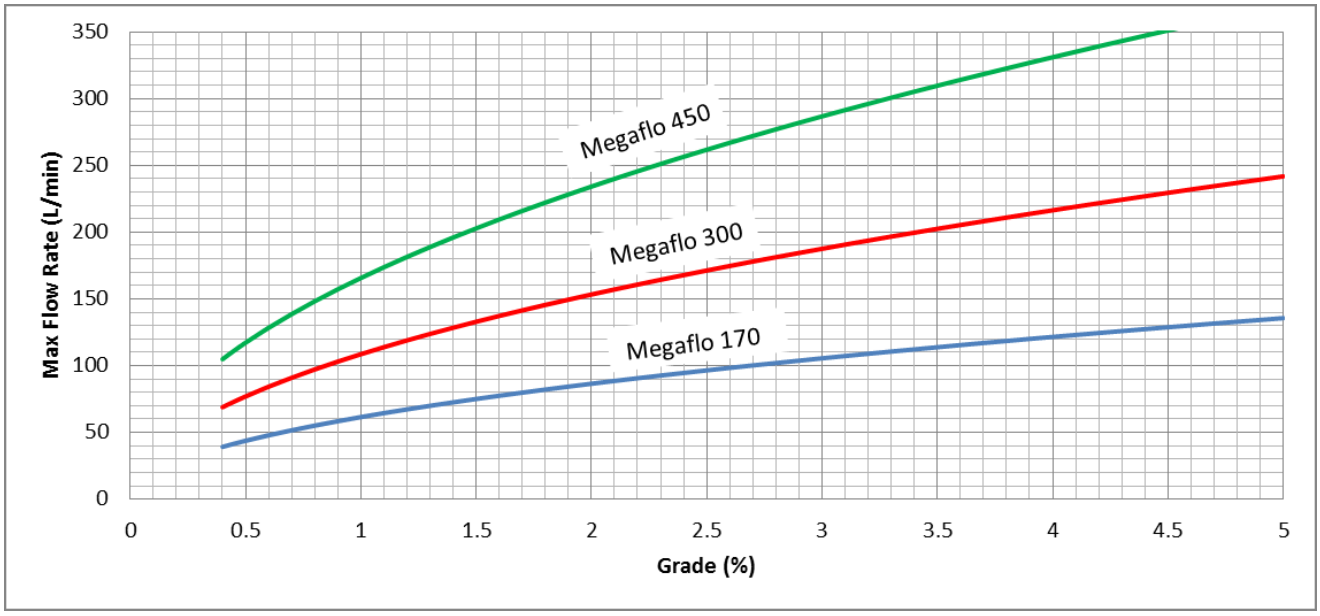
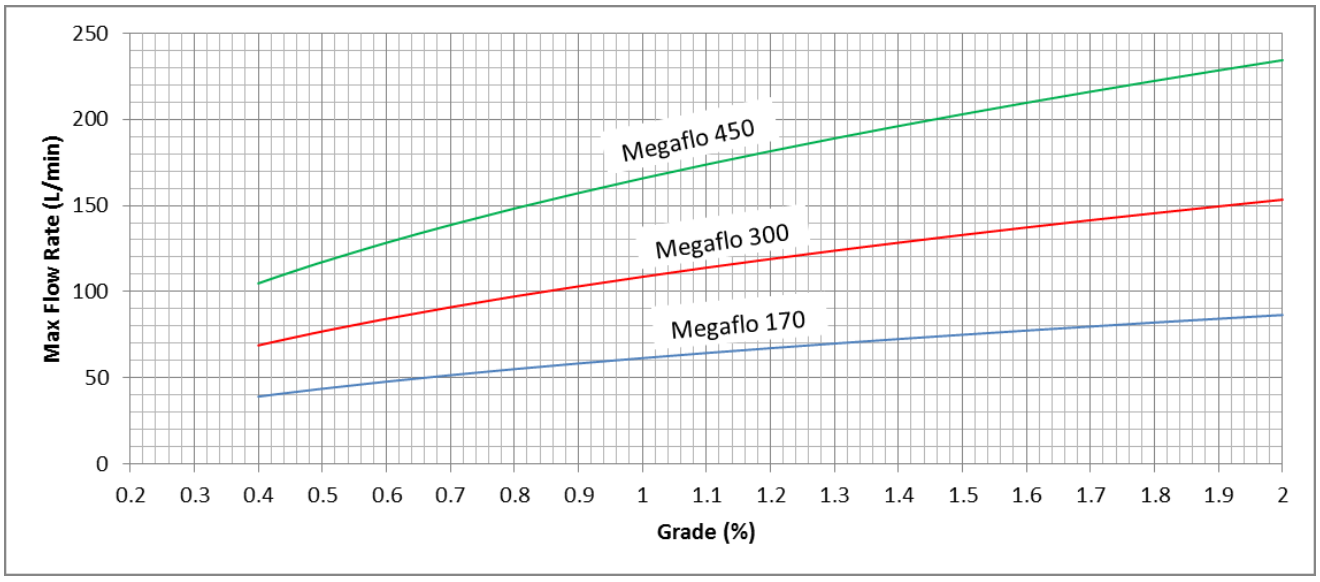
INFORMATION SHEET

MEGAFLO™ - OUTLET SPACING DESIGN FOR VERTICAL INSTALLATIONS

As water infiltrates Megaflo™ through the slots, it accumulates in the pipe as it flows down the slope. Once the cumulative infiltration reaches the maximum flow capacity of the pipe, it is necessary to outlet the water.

The maximum flow capacity of the pipe depends on the grade at which it is installed. The Maximum Flow Rate for different grades can be identified in the charts below.





These design charts are based on testing performed at the University of South Australia.

Net infiltration rate is the flow of water into the pipe slots from the surrounding soil medium along a given length of pipe. This is generally controlled by the drainage characteristics of the surrounding soils. The maximum permissible outlet spacing can be calculated as follows:

$$\frac{Max\ flow\ rate\left[\frac{L}{min}\right]}{Net\ infiltration\ rate\left[\frac{L}{min}/_{m}\right]} = Maximum\ outlet\ spacing\ [m]$$

Some typical outlet drawings are shown below.