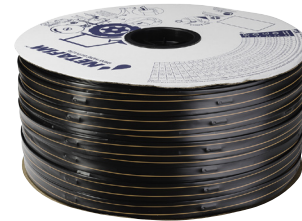


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This edition of TechTALK focuses on **GPH TO GPM CONVERSION** for drippers in Netafim thinwall driplines.

Several tape-type product manufacturers list their flow rates in Gallons Per Minute (GPM) per 100 feet. All injection molded drippers manufactured by Netafim USA are rated at Gallons Per Hour (GPH) per dripper, which is a much more accurate method of determining actual flow rates in an irrigation system.

In order to calculate distribution uniformity, it is also necessary to convert the flow per hundred feet on tape products to individual flow rate in Gallons Per Hour per dripper. In order to easily identify an equivalent flow rate for a Netafim product when comparing to a tape product, the following equations can be used.



STEP 1

In order to determine the number of drippers per 100 feet, use the equation below.

$$\frac{1200 \text{ (inches in 100 feet)}}{\text{Dripper Spacing (inches)}}$$

Example:

A dripline with 24" spacing: $1200 / 24 = 50$ drippers per 100 feet

STEP 2

Once you have determined the number of drippers in 100 feet, the following equation will convert the GPH per dripper to GPM per 100 feet.

$$\frac{\text{GPH of Dripper X Number of Drippers per 100 feet}}{60 \text{ (to convert GPH to GPM)}}$$

Example:

A dripline with .16 GPH dripper at 24" spacing: $.16 \times 50 / 60 = .13$ GPM per 100 feet

We hope you find this a useful tool when comparing Netafim USA thinwall driplines (Streamline Plus[™], Typhoon Plus[™], DripNet PCT[™] and Aries[™]) to tape products in the market.

If you have additional questions, please contact your local Netafim Dealer Relationship Manager or Customer Service at (888) 638-2346.