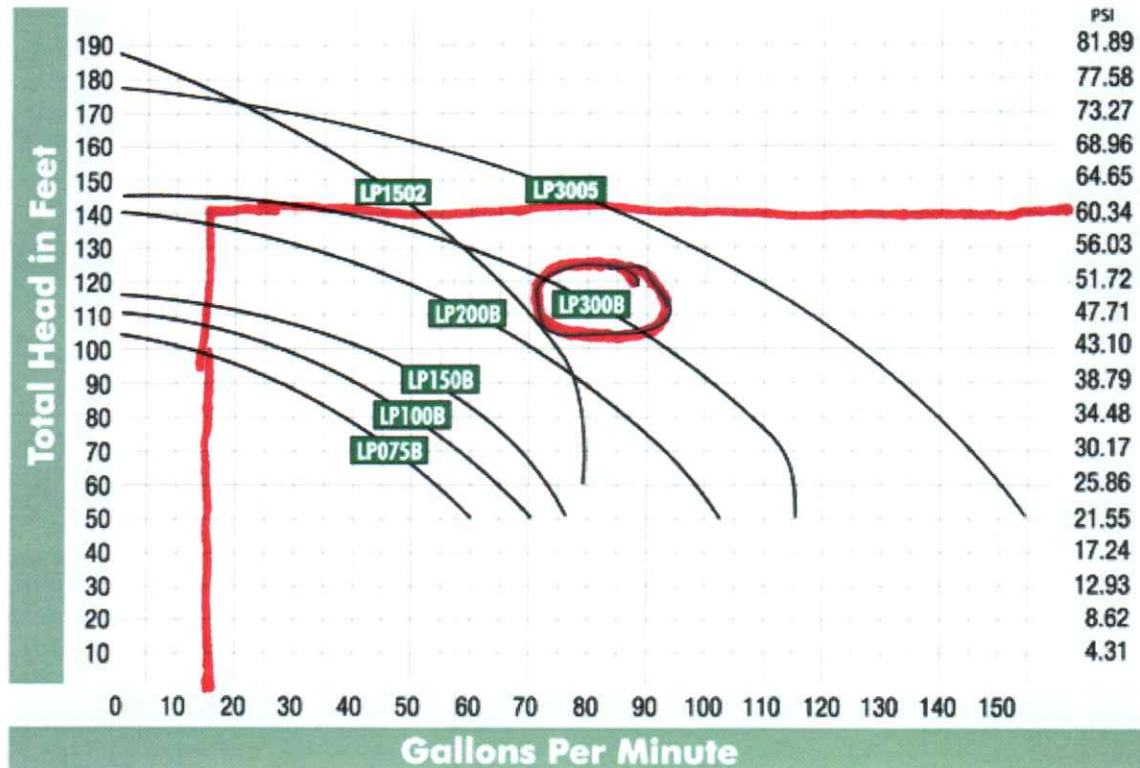


Key

Pumps and Chemigation Review

- 1) If an irrigation system requires at least 60 PSI and a flow rate of 15 GPM, which model pump using the manufacturer's performance pump curve below will meet the irrigation system design needs?

HORSEPOWER RANGE: 3/4 - 5



Model LP300B

- 2) Calculate the Chlorine Injection Rate for an irrigation system with a flow rate of 15 GPM if the irrigator wants to apply a continuous treatment of 2 ppm using a 5.25% Chlorine Solution.

Hint: $IR = (0.006 \times F \times C) / P$

$$F = 15 \text{ GPM}$$

$$C = 2 \text{ PPM}$$

$$P = 5.25\%$$

$$IR = \frac{(0.006 \times 15 \text{ GPM} \times 2 \text{ PPM})}{5.25}$$

$$IR = 0.03 \text{ gallons per hour}$$