37.46 $100gpm$ **of a liquid with a specific gravity of 0.8 is supplied by a pump operating with a differential pressure of** $10psi$**. What is the hydraulic horsepower?**

A. $0.2hp$

B. $0.3hp$

C. $0.5hp$

D. $0.6hp$

Calculate the Water Horsepower. Use the differential pressure given in psi directly. Ignore the specific gravity which is only needed when the head added by the pump is given in ft.

$$whp = \frac{Q\Delta p}{1714} = \frac{(100)(10)}{1714} = 0.58hp$$

Answer D