

Project Title: Sample Project

Project ID: 30206

Project Manger: M.W.

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Sheet: 1 of 1

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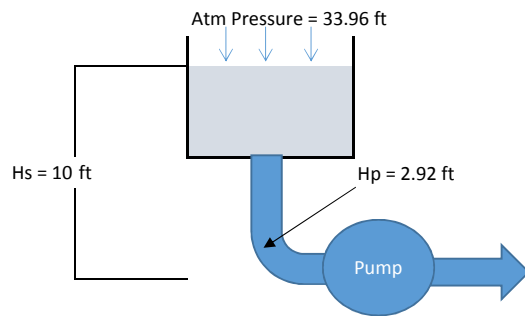
PUMP NPSH - OPEN SYSTEM WITH WATER SOURCE ABOVE PUMP

Notes:

Water at 68F

Operating Conditions

- 1 68F water at sea level
- 2 Atm Pressure = 14.696 psia = 33.96 ft abs
- 3 Vapor Pressure of liquid = 0.339 psia = 0.783 ft abs.



$$NPSH_{AVAILABLE} = H_A \pm H_S - H_P - H_{VP}$$

Net Positive Suction Head - Open System With Water Source Above Pump			
H _A	33.960	ft	Absolute pressure on the surface of the liquid supply level.
H _{VP}	0.783	ft	Vapor pressure of liquid at the temperature being pumped
H _S	10.000	ft	Static height that liquid supply level is above or below the pump centerline
H _P	2.920	ft	Suction line friction losses

NPSHA = 33.96 ft - 0.783 ft - 10 ft - 2.92 ft

NPSHA = 40.26 ft

GENERAL REMARKS:

Preliminary
Estimates