

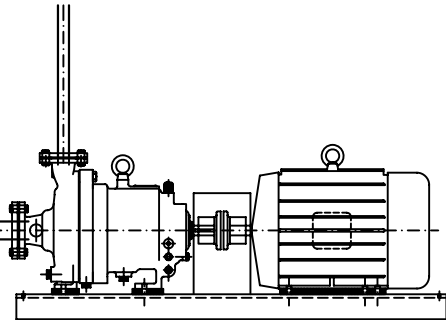
$$NPSHA = P_A + H_{STATIC} - P_{VAPOR} - H_{FS}$$

WHERE: P_A = THE ABSOLUTE PRESSURE.

H_{STATIC} = THE STATIC HEAD.

P_{VAPOR} = THE VAPOR PRESSURE.

H_{FS} = THE PIPING FRICTION LOSS.



$$\text{HEAD IN FEET} = \frac{\text{PRESSURE (PSI)} \times 2.31}{\text{SPECIFIC GRAVITY}}$$


$$P_A \text{ IN FEET} = \frac{P_A \text{ (PSIA)} \times 2.31}{\text{S.G.}} = \frac{(\quad) \times 2.31}{(\quad)} = \quad \text{Ft.}$$

$$P_{VAPOR} \text{ IN FEET} = \frac{P_{VAPOR} \text{ (PSIA)} \times 2.31}{\text{S.G.}} = \frac{(\quad) \times 2.31}{(\quad)} = \quad \text{Ft.}$$

$$H_{STATIC} = \quad \text{Ft.}$$

FRICTION LOSS : FROM A HYDRAULIC BOOK.

$$NPSHA = P_A + H_{STATIC} - P_{VAPOR} - H_{FS} = \quad + \quad - \quad - \quad = \quad \text{Ft.}$$

REVISION				
NO.	DATE			
1		NPSHA CALCULATION		
2				
3		DRAWN BY: J.W. CARTER	DATE: 9-18-03	REV:
4		ED-3606		
5				