

ENGINEERING CALCULATIONS

Combining Two Fluid of Known Volumes and Densities

$$(V_1 \cdot D_1) + (V_2 \cdot D_2) = X$$

Then,

$$X \div V_{(1+2)} = D_{(1+2)}$$

Where:

- V_1 = volume of 1st fluid
- V_2 = volume of 2nd fluid
- D_1 = density of 1st fluid
- D_2 = density of 2nd fluid
- $V_{(1+2)}$ = combined volume of both fluids
- $D_{(1+2)}$ = combined density of both fluids