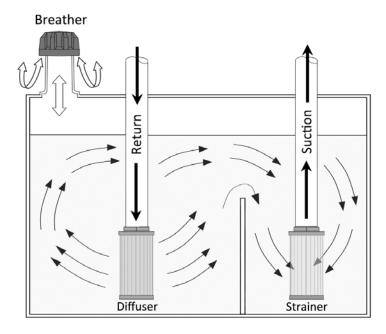
## Guide Lines / Formulas / Conversions



## **Diffusers & Suction Strainers**

Using tank diffusers helps prevent air entrainment in hydraulic systems. With the proper placement of a baffle between a diffuser and a suction strainer pump, cavitation can be curtailed. It is recommended to install diffusers and strainers in the bottom 1/3 of the reservoir.

## Filler Breathers

Ingression of contaminants through the air can be reduced by using a breather with a filtration rating equal to or better than the hydraulic system rating.

On systems with a fairly constant fluid level in the reservoir, a pressurized filler breather can increase the pump inlet pressure. Generally, the more pressure a pump has at its inlet, the quieter it will run.

## **Useful Formulas & Conversions**

