



What is a Flow Through Expansion Vessel

Expansion vessels can be an environment where microorganisms can thrive. Bacteria colonies require the right conditions, temperature, nutrients to start to grow.

Some vessels have a diffuser that promotes mixing of water. This only happens when the water is flowing and there is no guarantee that the water leaves the tank.

Most people are not aware that Legionnaire's Disease is a severe form of pneumonia caused by the bacteria legionella, which is commonly found in systems such as cooling towers, domestic hot water systems and commercial/public water disseminator that tap into a building or public water supply.

Legionella is a pathogenic gram negative bacterium, including species that cause legionellosis (legionnaires disease), most notably Legionella pneumophila. It is a virulent form of pneumonia caused by inhalation of an aerosol contaminated with legionella bacteria. Legionella is common in many aquatic or moist environments and can live within amoeba in the natural environment, with a least 50 species and 70 groups identified. Once inhaled, incubation may take up to two weeks but is typically 3 – 10 days.

Using a flow through design vessel, can greatly reduce the risk of serious infection!