



TOBACCO ENGINEERING



BENEFITS

- All Stainless Steel Construction
- Uniform Heating of Casing Fluids
- Steam Coil Heated Water Jacket
- Water Jacket Header Tank and Circulation Pumps

CASING TANKS

The LTL Group are designers and manufacturers of process equipment for the world tobacco industry. The LTL range of Casing Tanks have been designed specifically for the preparation, heating and storage, at application temperature, of Casings and Humectants prior to application.

The tanks are constructed entirely from stainless steel and comprise of three separate 'skins' the first is the inner most tank which holds the casing fluid and has a conical base with a drain point centrally mounted to ensure the complete discharge of the product. The second skin creates the void where the water jacket is formed, a unique steam heated coil is mounted within the annulus formed by the first and second skins to heat the water jacket, this feature combined with the water circulation pumps and casing fluid stirrers provides very uniform heating of the casings which avoids sugar crystallization / burning. The third and final skin forms the outer protection to cover the insulating material attached to the outside of the water jacket which minimises heat loss.

The tanks are supplied complete with a paddle type stirrer driven via a shaft mounted motor gearbox unit and are available in a range of capacities to suit your process requirements.

Various tank configurations are available from single units through to multiple tank installations or skid mounted assemblies. The above picture shows a twin tank configuration with skid mounted transfer pumps, interconnecting pipe work and a water header tank.

CASING TANKS

The image below shows a section of the tanks clearly highlighting the three different skins previously described. With larger capacity tanks the steam coils will also extend across the bottom of the tank to provide quicker heating times.

The stirrer is designed with enclosed blades which provides a more efficient mixing action as product cannot spill over the blade tips and is driven through a shaft mounted motor gearbox unit which can also be supplied with a frequency inverter to provide variable speed.

Typical Sizes:

50 Litre Single	2 x 50 Litre Twin
100 Litre Single	2 x 100 Litre Twin
150 Litre Single	2 x 150 Litre Twin
250 Litre Single	2 x 250 Litre Twin
400 Litre Single	2 x 400 Litre Twin
600 Litre Single	2 x 600 Litre Twin
1,000 Litre Single	2 x 1,000 Litre Twin

Additional sizes are available to suit individual customer requirements.

