



SPHERICOOL ON-FARM MILK VAT

In 2004 Tenix Robt Stone was contracted to build 25 Sphericool milk vats. These vats ranged in size from 10,000 Litre to 27,000 Litre.

Cooling Process

- Water is stored in the base of the vat skirt which can be between 300 to 600 litres depending on the vat size.
- Cold water is pumped from the base, through a cooling bronze plate heat exchanger and up to the spray cooling ring running around the sphere centre.
- Chilled water cascades over the bottom half of the sphericool vat which clings in a heavy film until falling back into the base trough to be re-chilled and sprayed again as per the small inset photo.

- **PROJECT:** MANUFACTURE OF SPHERICOOL MILK VATS
- **CLIENT:** FONTERRA
- **LOCATION:** HAWERA
- **DATE:** 2004
- **CONTRACT VALUE:** \$1,000,000