WATER WORKS

EUROPRESS
STAINLESS STEEL AND CARBON STEEL PRESS FIT PIPE SYSTEMS

Case Study

# Pernod Ricard New Zealand

**Location:** Pernod Ricard, Tamaki Packaging and Distribution Facility
**Product Used:** Europress Stainless Steel Press Fit Pipe System
**Application:** New glycol, nitrogen, water, and compressed air reticulation pipework in tank additions
**Pipe Sizes:** ¾" (22mm) through to 4" (108mm) Stainless Steel

Pernod Ricard

Pernod Ricard recently installed over $200,000 worth of Europress materials for Glycol, Nitrogen, Water, and Compressed Air at their Auckland storage and bottling facility. Here's how it all started...

Andrew Waller, Engineering Manager at Pernod Ricard, initially approached us in February 2017. Due to the recent Kaikoura earthquakes, many of their storage tanks in Blenheim were not suitable to hold the wine from the fast-approaching harvest. They needed to act fast and Beca were assisting them in designing a 28-tank extension to their Auckland tank farm.

Due to the popularity of Europress with other wineries, Andrew was interested in using it for Glycol reticulation to the new tanks, but as he had not yet used press-fit, he wasn't sure if it would save them time and money over against welding the pipework.

So, he decided to split the Glycol pipework from the first 9 tanks between welded and Europress. They awarded 5 tanks to a welding firm to install traditional welded stainless pipework, and 4 tanks to Steelcraft to install Europress.

Welded installation commenced around the 7th of March, and Europress installation on the 28th March. Ten days into the Europress installation, Jason from Steelcraft commented 'it was like a time warp' – the Europress installation was complete, and the welders were only just finishing their first tank!

**Andrew compared the costs from the first 9 tanks:**

| | Welded | Europress | Saving per tank |
|---|---|---|---|
| Cost of Glycol pipework per tank | $24,800 | $20,000 | 19.35% |

Steelcraft then completed a quote to do the remaining 19 tanks. Europress was even faster to install than they initially predicted, so they could reduce their labour charge. Due to the time and money savings presented, Pernod Ricard awarded the glycol pipework for the remaining 19 tanks to Steelcraft to complete in Europress.

As important as the cost though, was the installation time. The welders were predicting it would take them up to 24 weeks to

# Case Study Cont.

complete the glycol pipework for the remaining tanks, which would not have them ready in time for harvest.

Pernod Ricard went on to award the associated water, air, and nitrogen lines for all the tanks to Steelcraft. They even awarded them the nitrogen lines from the 5 welder's tanks, as welding it just wasn't competitive or fast enough.

Installation of glycol pipework on 23 tanks, plus associated nitrogen, water, and air, was completed in Europress in 10 weeks. The welders had calculated on taking 24 weeks, but after 13 weeks they had only completed the glycol pipework for 5 tanks - partly due to the fact they couldn't weld in the rainy winter weather, which didn't effect Europress.

**After completion of 28 tanks, the final costs per tank were:**

| | Welded | Europress | Saving per tank |
|---|---|---|---|
| Cost of Glycol pipework per tank | $28,616 | $17,970 | 37% |

Table (pictured right) demonstrates the time and money savings achieved if the equivalent glycol pipework completed in Europress for 23 tanks, was completed in welded tube (includes all materials and labour costs).

Every day a plant isn't operating is a significant cost in lost production – often tens of thousands. So, while the installation of Europress saved Pernod Ricard 37% over against welding the pipework, the biggest saving was due to the fact it was 58% faster to install! Europress allowed Pernod Ricard to commence with production at full capacity over 2 months earlier than if they had welded the pipework!

Statement from Andrew Waller:
*"We had a very tight deadline to reinstate tanks following the 2016 Kaikoura earthquake in time for vintage and needed a rapid install of services piping for new tanks being installed at the Tamaki site. A fully welded option wasn't going to be acceptable due to the long install time. So, we trialled Europress piping on 4 tanks, which was completed simultaneously with 5 tanks that were welded. The result showed that the Europress option was the way to go going forward, and so the remainder of the tank farm was completed using that. The installation time proved to be less than half that which was quoted for welded pipe install, and installed costs have come in at two-thirds that of welded piping".*

**Time and money savings achieved if the equivalent glycol pipework completed in Europress**