Winery Engineering Association Ltd.
Conference & Exhibition 2007

PROGRESS THROUGH ENGINEERING

World Leaders & Innovators of Pigging Technology

“PIGGIN’ PROGRESS”

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Benefits of HPS Pigging Systems

- **Product Recovery ✓**
  - **Recovered product can be packed and sold**
- **Reduction of Waste ✓**
  - **Cost of waste treatment / disposal / management will be significantly reduced**
- **Faster Change Over Times ✓**
  - **Washout Out times can be reduced**
  - **Product follow on can be achieved**
- **Reduction of Water Usage ✓**
  - **When using a gas medium to push the Pig, water flush outs can be reduced**
- **Quality Improvements ✓**
  - **No water / product cross contamination issues removes risk of guessing the interface**

HPS Single Pig System

- **FULLY AUTOMATIC**
- **FULLY CIP'ABLE**

DEMO

“PIGGIN’ PAST”

3″ Orlando Truck Line - 1st to use Telemetry on Pigging System

3″ Double Pig Systems using mobile pump

2 x 4″ Orlando Tank Farm Transfers

4 x 3″ Wolf Blass Winery to New Bottling Facility & Loop Systems for CIP

3″ System for Hardy’s Reynella Winery to Bottling Tanks

3″ Systems for Wolf Blass Bottling Tanks to Fillers

6″ Must Systems for Orlando Wickham Hill through Dimpleflo Tube

2″ System for Yalumba from Winery to Cask Hall

“PIGGIN’ RESULTS”

3″ Line approx 350m:	**3.3ML of Water saved** **71,136L of Wine saved**
4″ Line approx 350m:	**3.2ML of Water saved** **47,424L of Wine saved**
4″ Line approx 400m:	**5.3ML of Water saved** **79,040 of Wine saved**
6″ Must Line:	**2.7ML of Water saved over Vintage** **40,000L of Wine saved** **40% Reduction in BOD Load** **Consistent Results over 2 Vintages**

“PIGGIN’ PRESENT”

2 x Major Pigging Projects being commissioned at this time

Winery Cluster at Marlborough Bottling facility in Blenheim

Wine can be transferred from any one of 3 Wineries (2 lines each)

AND

from the bottling facilities own tanks (4 lines) to anyone of 3 Filling Machines

FEATURES:

4 Mobile Pump/Launchers on Telemetry
4 operational, 1 setting up for next product

HPS RotoMatrix connects any one of
the incoming lines to any one of the Fillers

Wineries can connect their lines at the
RotoMatrix then CIP both lines at the same time

Orlando Tank farm to bottling Tanks to Fillers

New Tank Farm HPS System combines with existing 3 HPS Systems to Pig all wine destined for the Bottling Tanks

FEATURES:

HPS RotoMatrix to direct any of the incoming 4 Pigged Lines to any one of the 10 Bottling tanks

HPS Valve AutoMatrix to take wine from anyone of the 10 bottling tanks to anyone of 3 filling Machines

“PIGGIN’ FUTURE”

The HPS Piggable Hose

- PIGGING MOBILE 2 - CONTROL PANEL -
NQ3550

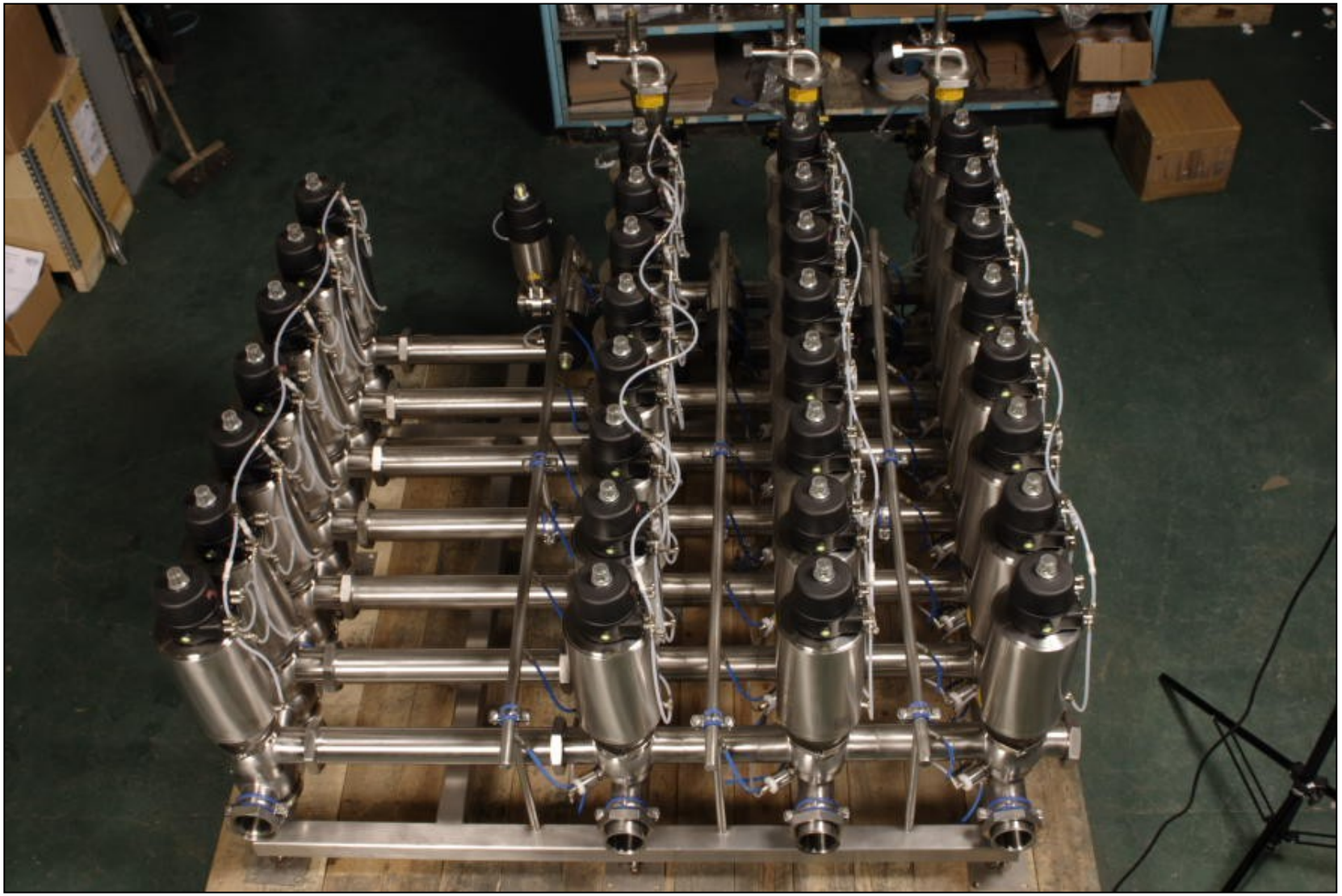
PUMP 4
PUMP CONTROL
PIGGING CONTROL

2007/05/18 10:20

WP1
WP2
W2
Win1

744

752
751



THANK YOU

FOR YOUR

“PIGGIN’” ATTENTION