

CASE STUDY

Sandpiper's Phoenix rises to the challenge

Sales Engineer Hassan Saib

Trade waste from a filter press can become a messy headache. This was the problem Amcor Fibre Packaging, located at Box Hill, Victoria had for a long time, until matters came to a head at the waste disposal site concerning environmental issues.

The original air-operated diaphragm pump was not up to the challenge of satisfactorily processing the waste, which was taking over four hours to go through the filter press, with the disappointing result of liquid messy waste. Environmental issues arose in storing this waste and were further aggravated when transported to the prescribed waste disposal site at Lyndhurst.

So Amcor's maintenance team, mindful of OH&S, and public safety and cleanliness asked the engineering team to find a solution.

Amcor was faced with the challenge of either using a helical rotor pump or a high pressure pneumatic diaphragm pump. Kelair offered a Sandpiper Phoenix High-Pressure Filter Press pump which uses compressed air and produces 2.1 : 1 pressure to air supply ratio to run, and highlighted the advantages such as simplicity of installation and ease of operation in the existing set-up.

Amcor's Engineering Manager, Travis Anderson saw the advantages and took the opportunity to trial the Phoenix. No major modifications were required and the existing air supply to the original double diaphragm pump was sufficient to run the Phoenix, resulting in a much drier waste cake than the plant had been able to produce.

This result was very pleasing, from the maintenance team right through to the manager at the waste disposal site.



L to R: Amcor's Alex Sabo from the maintenance team, and Travis Anderson, Engineering Manager



Finished waste cake

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