



Kelair Pumps Australia Pty Ltd

PumpAction.....

Products

- Pumps
- Steam Turbines
- Building & Fire
- Wastewater
- Service 24/7
- Spare Parts
- Sewage-Treatment

Call direct 1300 789 466

Case Study

Sales Engineer Peter Doran (TAS)

Layne Bowler's high quality pumps for irrigation

Kelair was asked to select pumps for an irrigation project with a flow rate in excess of 500L/s and a total head approaching 100m. Lineshaft-style vertical turbine pumps were required as the pumps were to be



value for money. These criteria led Kelair to consider Layne Bowler for the job as it is a respected and experienced manufacturer of high quality pumps for applications across the globe.

Layne Bowler was able to offer an excellent selection for the specified duty and Kelair received an order for two pumps which were supplied complete with quality CMG electric motors.

While a conventional cast iron / bronze /stainless steel construction arrangement was all that was re-

quired for this job, Layne Bowler is able to supply a variety of more exotic materials if required and can engineer a pump solution for a wide variety of applications.

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Layne Bowler's use of its own foundry to cast components for its pumps en-

ables the company to retain complete control over the quality of the finished product. The use of the latest manufacturing technologies and an ISO 9001 Quality Management System ensures that a high quality product is always provided.



If you are considering a vertical turbine pump for your water supply, irrigation or general transfer duty please contact Kelair on 1300 789 466 to arrange for a quotation.

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Case Study

Sales Engineer Frank Molinaro (VIC)

Sandpiper seals leakage problem

Kelair was approached by a customer to solve a diaphragm pump leakage problem.

The customer was using a non-Kelair brand 1/2" non-metallic diaphragm pump that was forever leaking at the top manifold / main body interface.

It was observed at this point the pump only had 2 x 2 bolts (4 bolts in total)

connecting the top manifold to the main body.

As the customer was using this pump for a high pressure spraying application the pump consistently leaked from the top manifold.

The customer then trialed a Sandpiper S05 non-metallic pump with 2 x 4 bolts (8 bolts in total) connecting the top manifold to the bottom manifold.

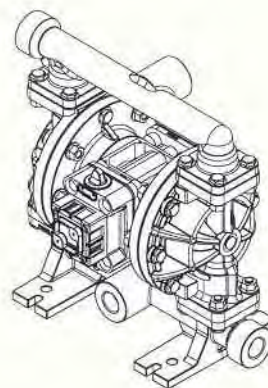
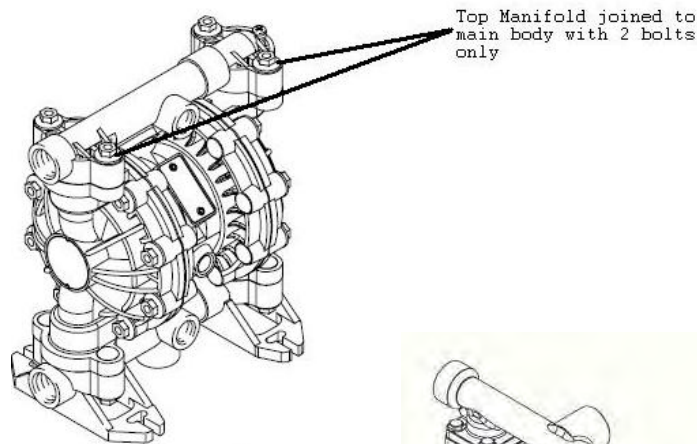
The pump proved successful with no leakage occurring even with the pump being dead-headed at 6.5 bar air pressure.

The customer also liked the fact the pump was much more robust, with thicker housing, manifolds and threaded connections.

Overall the customer was very happy with the quality of the pump.

Sandpiper features & benefits:

- Non-stalling guarantee
- Cross-drilled technology to eliminate stalling
- ESADS+ (Externally Serviceable Air Distribution System) allowing repair of pump without removing from pipeline
- Fully-bolted design provides a positive seal and reduces the incidence of leaks
- Lubrication-free, eliminates requirement for lubricators, reducing initial cost and maintenance cost



Sandpiper's top manifold joined to main body with 4 bolts

