



Kelair Pumps Australia Pty Ltd

PumpAction.....

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- Steam Turbines
- Building & Fire
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New Product

Kelair announces its appointment as the exclusive distributor for Australia of the Albin range of peristaltic hose and tube pumps.

Albin Pump has been manufacturing pumps since 1929, beginning with gear pumps. The hose pump factory located in Mountboucher, France has thirty-three years of hose pump experience.

Hose and tube pumps have excellent solids-handling capability and very specific application in the following services:

- Mining industry in various applications and particularly with thickener underflow.
- Pulp and paper industry for sludges, dosing and waste.
- Breweries for yeast cropping and dosing additives.
- Water treatment for dosing and waste.

- Filter press applications.
- Paint industry for latex and pigments
- Pharmaceutical / personal care industry for dosing and filling.
- Food industry for various products and additives.

The hose pump range is nominated as the ALH series and has a wide hydraulic coverage with hose sizes from 10mm to 125mm.



ALH series pump

This allows flow capacities to 155 m³/hr with pressure to

15 bars. There are six hose materials available to provide broad chemical coverage.



ALP series pump

The Albin ALH series can be specialised to meet specific client and application requirements.

The tube pump range is nominated as the ALP series with tube sizes from 9mm to 45mm. The maximum flow is 11.4 m³/hr with pressures to 4 bar differential.

There are eight tube materials available to maximise chemical compatibility.

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Albin Hose Construction

For the hose liner five materials are available to suit the diversity of pumped product:

- Blue marking: HY Hypalon (Ceases Sep 2010)
- White marking: NR (natural rubber)
- Yellow marking: NBR (Buna)
- Red marking: EPDM
- Yellow & White marking: NBR food (Buna)

FKM (Fluoroelastomer) on trial on hydrocarbon-based slurry



Viking conquers over-pressure duties

Sales Engineer Alex Calodoukas (NSW)

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



Viking internal gear pumps are rated to 14 bars differential pressure with some models rated to 17 bars.

When faced with a challenging duty at 22 bars differential, pumping a highly viscous (15,000-20,000 cPs) fluid, does Viking decline to quote? No, they march straight in.

When Kelair approached the Viking factory with the duty, we were pleasantly surprised. The factory was not phased at all.

“No problem, we’ll just make some minor modifications to the pump, and it will work fine. We do this all the time” was their response.

With the build that was selected, the pump could even have handled an abrasive, viscous fluid, at over-pressure.

Viking advised, “we can allow an increase of up to 50% in the differential pressure of a universal seal pump for example. This does require that such considerations, including shaft strength, port flange ratings, etc need to be examined and adjusted as necessary.”

Kelair selects Viking pumps regularly for diesel fuel, heavy grade oils, abrasive

fluids, polymers, inks, aggressive chemicals (eg. Isocyanates), emulsions, etc. There are even seal-less mag drives, and plenty of options for internal components to “best suit” your duty.



Viking’s internal gear pump

The smaller external gear pumps (SG series) used to perform the lower flows to 34 bars differential. Again, with some minor modifications, the same pump could be rated to 102 bars



Viking’s external gear pump

differential. Its construction would still be in cast iron to handle the high pressure - the duty well within the pumps’ limitations. Viking has just upgraded the entire SG series range, introducing a num-

ber of larger sizes, and the revised upper limits have gone from 6m³/hr at 102 bars to 45m³/hr at 170 bars. That’s a huge advancement.

Achieving this level of capability comes down to Viking understanding its pumps, and having a rigorous testing regime and field experience only enhances the mix. You can’t offer guess work and put people’s lives at risk for over-pressure duties. With over one hundred years’ experience in gear pump design and construction, Viking is extremely well qualified.

What about handling suction pressures up to 25-30 bars? Viking has accepted those duties from Kelair in the past (each on a case-by-case basis). It is achievable because as stated, Viking knows its pumps, and how to set them up.

So if you have an over-pressure application for a gear pump don’t assume it can’t be done. Ask your Kelair representative to ask the factory. You may be pleasantly surprised.