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**KelairPumps**

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## CASE STUDY

### Sandpiper and solid solutions keep aiding Accensi

Sales Engineer Hem Prakash (QLD)

Accensi Pty Ltd is a leading national independent contract chemical manufacturing company producing a wide range of formulation types for industry. Typical products include timber preservatives, fungicides, herbicides, insecticides, general agricultural adjuvants and industrial chemicals.

The maintenance manager of Accensi, Dave Stritch (pictured) has nearly 100 pumps on site to supervise maintenance and repair. They include centrifugal, air-operated diaphragm, multistage, submersible, mag-drive and helical rotor.

Accensi had a recent application involving loading and unloading of KOH solution. KOH is potassium hydroxide sometimes called caustic potash. Depending on concentration and temperature, KOH can be highly corrosive.

Dave had preliminary discussions with Hem Prakash from Kelair's Brisbane office on various pumping criteria and apart from compatible material for KOH pumping, the following was established for this application:

- Time available for loading and unloading KOH.
- Ease of operation.
- Ability to run dry when the operator is distracted or unaware that the loading and unloading process is complete so the pump might run dry.
- Less maintenance required e.g. changing seals, bearings, o'rings etc.
- Simple set up without complicated seal flushing arrangement or complicated electrics start/stop and dry run protection.

Hem recommended a Sandpiper S20B3P1PPAS000, which is a Polypropylene pump with Santoprene elastomers. This addressed all the criteria established earlier, for the following reasons:

- The S20 has a maximum flow rate of 568 l/min
- Sandpiper's flow and pressure can be regulated simply by inlet air supply thus easy to operate.



- The pump can run dry without damage which is a very useful feature especially when unloading, and when it might be running dry and unknown to the operator.
- Sandpipers require little maintenance since they are seal-less and hence no complicated seal flush arrangement required.
- Sandpipers can be easily set up with no complicated electrics involved.

Finally, no expensive bypass or pressure relief valves are required since discharge pressures equal to, or greater than, air pressure stops the pump without damage.

Dave Stritch says, "Kelair's Hem Prakash has been our preferred pump sales engineer for more than a decade with solutions that normally exceed all our set criteria. And by adopting this recent solution we have reduced our installation costs."

• For further product information visit [www.kelairpumps.com.au](http://www.kelairpumps.com.au)