

STOTHERT & PITT PUMPS SWELLING ORDER BOOK

Albany's purchase of the manufacturing and marketing rights for the range of pumps previously made by Stothert & Pitt of Bath is bearing fruit. Substantial spares orders have been received and several new pumps delivered.

The SP range of centrifugal, lobe and screw pump designs has earned considerable respect in the process industries. They are reliable, practically unburstable and, in the case of the screw pumps, regularly give half a century's service and more.



Screw design of the SP range of pumps contributes to their remarkable longevity in service

The pumps form an excellent match for Albany's existing rotary gear & centrifugal products, extending the top end of the company's pumping capability. SP pumps handle a wide range of viscosities, pumping fluids from seawater and petrol to heavy oils. Flows of up to 300m³/hr and pressures of 20 bar (70 bar for some of the smaller pumps) are available from the standard range.

The centrifugal pump range includes both horizontal and vertical types with capacities up to 300m³/hr and heads of up to 140m. A special vertical design is available for very small tank apertures. The vertical centrifugal pump range complies with API610 when constructed in steel or stainless steel.

The internal lobe pump range will

add to Albany's ability to handle high viscosity fluids such as molasses, giving deliveries up to 200m³/hr.

Twin screw pumps are available in

vertical or horizontal patterns with a wide range of options to suit the application, including jacketed and sump-heated variants. They are manufactured in combinations of materials to suit the application, including cast iron and bronze. Steel and stainless steel models comply with API676.

Addition of these pump types gives Albany the widest range of positive displacement pumps available in the UK. The company can supply process pumps for deliveries from 1 l/m to 300m³/hr.

PUMP REBUILD HELPS GET DAPHNE BACK TO DUNKIRK

Early in 2000, Albany's Sales Department took an intriguing telephone call, enquiring if anyone knew about a water pump made in the 1930's by a company called Salaman & Handoll. The sales estimator knew his company history; Albany Pumps had been named Salaman & Handoll before being blitzed out of London and moving to Lydney during WWII.

It transpired that the pump handled seawater for cooling a Thornycroft RP4

engine in the 'Daphne', a 25ft launch, built in 1932, one of the gallant 'Little Ships' of Dunkirk. Its owner needed the pump refurbishing so that he could take the vessel across the channel in the last ever convoy re-enacting the historic evacuation in 1940.

Albany took on the job and the pump was returned looking, and operating, as new. The 'Daphne' was able to join the convoy and sail from Dover to Dunkirk on the 1st June 2000.



'Daphne', one of the gallant little ships of Dunkirk, and (inset) the rebuilt water pump

SLIPPERY SOAP SOLUTION CLEANED UP BY HD6 PUMP

Liquid soap is unwelcome on factory floors and Cussons, manufacturers of the famous Imperial Leather range, were experiencing rather too much of it at their Nottingham factory. The problem was a stainless steel lobe pump which regularly developed trouble with its seals.

Albany Pumps were asked if they could supply a pump which would cope with the duty, withstand steam purging and stay soap-tight. The company's engineers evaluated the requirement and recommended a standard cast iron 3in HD6 pump with a mechanical seal – at much lower cost than the lobe pump.

The order was placed and the pump

delivered. Cussons' plant engineers were surprised by its small size and frankly sceptical that it could handle the duty.



However, the HD6, offering high performance in a compact package, not

only achieved the required delivery but has needed little attention since installation.

Cussons engineering staff were convinced, and have since specified the same model pumps for a plant they are building in Nigeria.

SWIFT SILENT DELIVERY

Allen Gears, of Pershore, Worcestershire, were about to deliver a large gearbox when the unit was failed on the grounds of noise by the inspector sent by their French customer. The problem was traced to a lubricating oil pump.

An out-of-hours call to Albany Pumps found the Managing Director still at his desk. He made a quick check of stock components and by 6.30pm was able to offer a suitable, quiet running AP9 double helical pump to deliver 150 l/m at 7 bars.

By 10.00am the next morning Albany's Sales Office had produced a quotation and the order had been received. The pump, which operates at 80dba at 1500-1800 rpm on light lub oils, was delivered to Pershore, two days after the problem arose.

The gearbox was passed as satisfactory that day and Allen Gears was able to meet the shipment date for the gearbox, with its eventual destination at a power station in the People's Republic of China. Albany subsequently delivered three more pumps to schedule, allowing the rest of the order to be satisfied.

COOKING THE DOUGHNUT - NOT THE DRIVE MOTOR

Freshly-cooked doughnuts are an enticing weapon in the supermarkets' drive for market share. Tesco plc of Cheshunt, Herts. is currently equipping a number of its stores with machines to deep fry the dough portions.

Albany Pumps are supplying two major commercial cooking equipment manufacturers with pumps for the hot oil, which is filtered and recirculated back into the frying tank. As supermarket floor and counter space is valuable, the machines need to be

compact.

Albany are supplying 1/4in, 25 Series pumps to one manufacturer and similar-sized model OPE1 units to the other. Both models are cast iron gear pumps with close-coupled motors.

Special measures had to be taken to ensure that heat from the oil was not conducted through the pump to cook the motor as well. Accordingly, the pumps incorporate a thermal barrier to avoid metal to metal contact between pump and motor.

Right: the Unipower Rapid Intervention Vehicle (RIV) is a new generation first response airfield crash, fire and rescue vehicle. It has exceptional performance and can operate in extremes of climate. Unipower of Coventry (formerly Alvis Motors) chose a DC motor-driven Albany FL5 to pump foam concentrate into the water stream. The RIV is currently in production for tri-service use with the British Ministry of Defence, for deployment world-wide.



ROTARY GEAR & CENTRIFUGAL PUMPS

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