



FERRIER PUMPS LTD

Edinburgh • Glasgow • Aberdeen

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NEWSLETTER NOVEMBER 2020

FERRIER PUMPS 2021 CALENDAR



It is coming to that time of year again when we look forward to the **FESTIVE SEASON** but for many of us, we will look back on 2020 without regret.

Due to COVID-19 It has been a horrible year for many people for a variety of reasons that need not be gone into here. All we can say is that we hope that all of our customers, families and friends are doing their best to cope and giving each other a hand up where possible, to get us all through this COVID-19 curse. Next year has just got to be better for everyone.



For any of our customers who would like one of our Ferrier Pumps calendars, please click the picture above

To cheer up our customers, for 2021 we have produced, what many have suggested, may be our finest 2021 CALENDAR since our calendar tradition began.

The pictures are extra large this year and display our ancestors depictions of life 10,000 years ago, by people who lived through those ancient times.

One glance at any of the pictures on our 2021 calendar will tell you that we are an extraordinary species, a species who **BECAUSE OF** our own intelligence and resilience, are survivors .

From this, we should look forward and take great hope, that the problems that beset us at this time will soon fade and be a distant memory.

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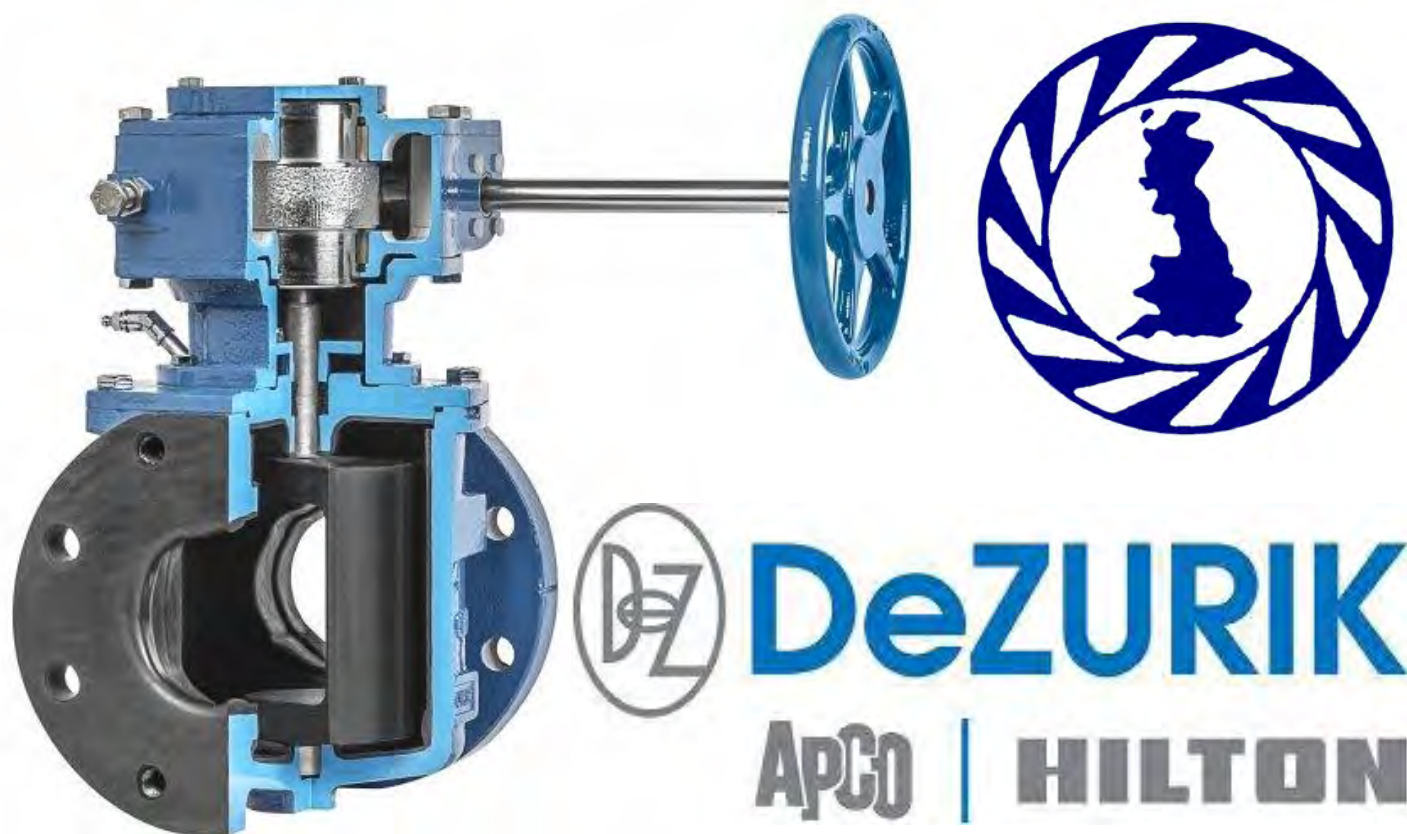


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DeZURICK DN350 PEC PLUG VALVE



Edinburgh also picked up another order for a DeZURICK PLUG VALVE exactly like the one in the picture except that our one will be fitted to a pneumatic actuator rated up to 150PSI.

These plug valves are ideal for abrasive duties such as dried sewage sludge and although the valve body is just a hard wearing cast iron, the plug itself is coated with very expensive hard wearing polymers to increase the life of the unit .

The same goes for the sealing system on the valve stems which are special o'rings developed by NASA . and the rest of the valve is finished off with a special blue epoxy paint specification.



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LARGE INLINE MACERATOR ORDER FOR EDINBURGH

Ferrier Pumps Edinburgh office picked up some interesting orders early in the month, one for a NOV Muncher / Macerator which is the updated in-line design rather than a channel mounted unit like the one we repaired last month.

Here is a short video which shows the beast in action, this time defeating “THE BOLT” which chewed up the teeth of the channel mounted macerator which we repaired last month.



[click above image to play video](#)



The idea is that if something like a bolt tries to go through the teeth, it will jam and the system reverse itself up to three times in the hope that the bolt will fall into a collecting trough in front of the macerators teeth.

These type of unit are becoming more and more common and they are increasingly found installed on industrial applications in tanneries, fish processing, cattle food preparation and abattoirs.



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LARGE BUTTERFLY VALVE FOR MIDLOTHIAN

We were awarded an interesting order for a 14" WRAS approved butterfly valve this month, which is operated by a large single acting pneumatic actuator.

This set up is designed to operate on 10 seconds to open, and 20 seconds to close, against a pressure of 5 bar.



An actuator as pictured is typical of the type used to control valves on our water supplies.

Before the unit is shipped out it is factory tested and is designed to close should the air supply fail.

These installations have to be well thought out before commencement as a lot of water could be lost if things don't work out right.

However with a bit of foresight and planning, installing and testing these valves on a beautiful

autumn morning as you see below, can be very satisfying and rewarding work.



A 14" Butterfly valve, ductile iron, epoxy coated, Stainless steel disc, EPDM liner, WRAS Approved and lugged to PN16



WRAS
WATER REGULATIONS ADVISORY SCHEME

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GLASGOW WINS A LARGE NETZSCH PUMP ORDER

NETZSCH

Our Glasgow office also recently secured a very large order for NETZSCH pumps and spare parts for another Waste Water Treatment Plant in their area.

Ferrier Pumps have been working with Netzsch Pumps for many years now and the Netzsch pump population in Scotland is growing steadily.



NETZSCH not only manufacture their famous PROGRESSIVE CAVITY PUMPS and IN-LINE MACERATORS, but are fast becoming an industry leader with their wide range of LOBE PUMPS which offers great flexibility of choice to the end user.



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The secret to the success of NETZSCH in recent years has been their insistence on selecting larger pumps, running at slower speeds for difficult applications where their competition have been only too pleased to install pumps that are too small and run too fast which results in constant breakdowns and much higher costs in spares, maintenance and downtime. This may have resulted in a few lost orders for Netzsch over the years but the customers, who invest wisely in the correct equipment designed to meet their needs and beyond, are fully aware that paying a little extra for the correct pump system will save them large sums of money over the lifetime of the plant.

NETZSCH £ NETZSCH £



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GLASGOW OFFICE SECURES A LARGE ORDER FOR LANDIA PRODUCTS



Our Glasgow office picked up a very large order for LANDIA pumps and spare parts at the end of last month.

These pumps and parts will be delivered soon to one of the local waste water treatment plants in the Glasgow area.



Landia are world famous for their CHOPPER PUMPS pumps which are renowned in the Waste Water, Fishing & Agricultural and Bio-mass industries.

They also manufacture specialised mixing systems and a variety of other equipment which is used on difficult and arduous applications.

Manufactured in Denmark to the highest standards, over 90% of the factory's output is sold abroad through a network of distributors that provide local back up and service.

If you are experiencing any ongoing problem on pumping and mixing applications due to the difficult nature of the application, give us a call and we can look to see if Landia can help out for you.



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Landia®

Landia Chopper Pumps, Macerators and Mixers

Ferrier Pumps are the Scottish Distributors for Landia products who manufacture a range of Chopper Pumps, Macerators and Mixers for extreme applications.

Landia products excel on nasty, difficult applications in the fields of Sewage Treatment, Agricultural Slurries, Waste Food Processing and Slurry, and Sludge Aeration as well as on Specialist Industrial applications and more recently, on Anaerobic Digestion for the Bio Gas industry.

Landia products are world leaders in the design of these products and are acclaimed for their ability to tackle extreme applications with the minimum of wear and maintenance.

For Slurry Handling there is a range of Long Shaft pumps, Submersible pumps, Dry Well pumps, Submersible and Externally Mounted mixers and macerators and even Portable versions for use around the farm.

Airjet Aeration

The Macerator pumps can be fitted with the Airjet venture system to aerate and mix difficult mediums when treating sewage, storm water, industrial effluents and agricultural waste.

Special Materials

All these products come in special High Grade Cast Iron & Hardened Steel as well as high grade 316 Stainless Steel where extreme corrosion has to be considered at the point of selection.



BioChop

As a result of developing this innovative range of products, the Landia engineers have combined their knowledge to produce a compact, package Hygienisation Unit known as the BioChop, which now makes it possible to use different animal by-products from the food industry to meet the health rules as covered by Regulation (EC) No. 1774/2002 covering animal by-products not intended for human consumption. This includes waste from abattoirs, fish processors, poultry farms and waste vegetables and plant matter.

The BioChop pasteurises the waste product at 70 degrees C for at least one hour and macerates the solids to below 12mm. The BioChop is controlled by a PLC control panel with data logger that ensures that all aspects of the Hygienisation processes are carried out in accordance with the correct EC regulations and that a record of the process is kept to provide a log for later inspection.

The BioChop Hygienisation unit is certified to receive category 3 by-products and is able to process high-fat bi-products with a high biogas potential.

The BioChop units can be installed at the biogas plants themselves or at the food processing plants, producing a biogas ready product that is easily pumped into road tankers or storage tanks for onward transportation. BioChop plants have even been installed on trailers so that fish waste can be processed on-board, saving time, and providing the trailer operators with a high value by-product ready for the biogas market.



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Landia®

FERRIER PUMPS
For almost 35 years Ferrier pumps have been designing and building Pumping Stations for Municipal Sewage Treatment plants and industry sludge handling systems for the Agricultural and Industrial markets of Scotland and the UK.

At Landia Distributors for Scotland, we can now also offer our customers the full depth of expertise that comes with the Landia product range, complementing our existing services to reach even further into the range of pump products and services that we can provide.

From each of our three depots in Edinburgh, Glasgow and Aberdeen, we are able to provide a full design, supply and installation service for any pump application, backed up by our top class workshop facilities and site service engineers, who carry out emergency call outs and programmed maintenance schedules for thousands of our customers each year.

This brochure is only intended to show the reader at a quick glance the extensive range of products and applications Landia have for difficult and unusual pump and mixing applications.

Landia have an extensive library of case studies compiled from successful installations all over the world. If you have an application where you believe Ferrier Pumps and Landia can assist, then we will be delighted to hear from you and to have the opportunity to be of service.

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HAYWARD GORDON PUMP SPARES

If you go to any Waste Water Treatment Plant in the USA or Canada you will almost certainly come across Hayward Gordon Pumps, working away steadily on even the most arduous of applications.

We supplied a similar order for spares about this time last year and our client was very pleased that we could get them out of a jam as they had no idea where to get these parts. These parts were so critical to our clients operation that we had them flown in from the USA and the pump was back in action in 72 hours !



These pumps are designed for the mining industries pumping abrasive slurries and mud but many make their way to the UK as components fitted on bigger pieces of plant and that is how our pump ended up here.

With the 1 3/4" mechanical seal costing just under £3000.00 alone, Ferrier Pumps will be pleased to hear from anyone else who may have one of these pumps and who requires spare parts.

Hayward Gordon

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ORDER FOR 2" SANDPIPER PUMPS FOR ABERDEEN

Our Aberdeen office came up with the goodies this month when they won an order for three 2" SANDPIPER PUMPS just like the ones in the pictures below.



These pumps are unusual because they are made from PVDF which is a highly chemical resistant thermoplastic which can cope with all sorts of acids and alkalinise.

SANDPIPER®
A WARREN RUPP, INC. BRAND

Once again the flexible design of these pumps allows them to be installed on suction duties, flooded suction, even submerged !, and they can run dry. If they find they are pumping against a closed head, they simply stall without damage.

What's not to like !??

ANOTHER HAPPY CUSTOMER

Subject: Heating pump and bearings

Hi Paul

Thanks for your guys organising the heating pump so quickly this morning, that's it fitted and up and running again

And thanks again for help with the bearings and sleeves for the Hungarian motor

Have a great weekend

Cheers

Scott

Scott Rae

Area Team Leader (Maintenance Services) Estates Department

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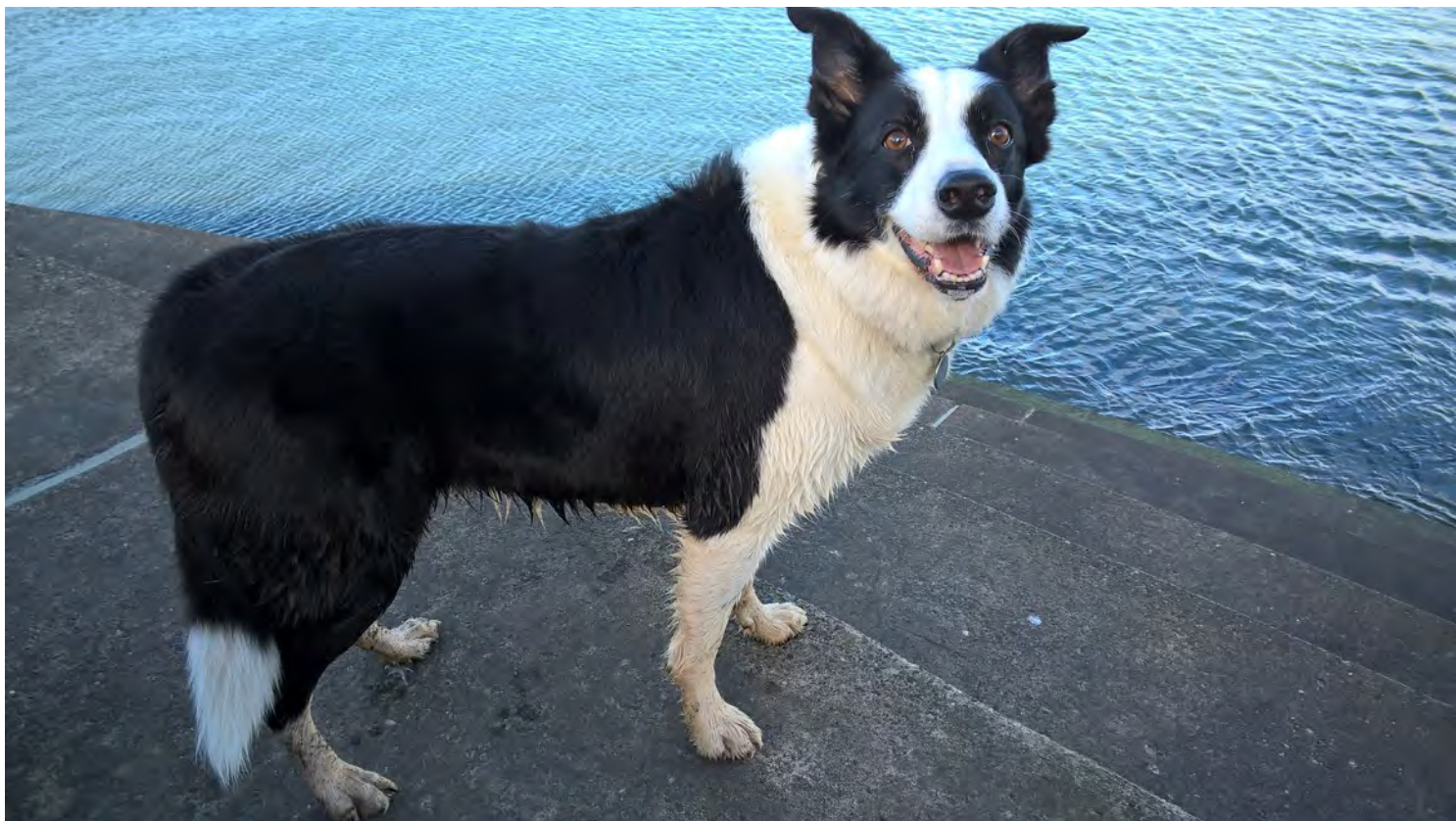


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COCO IS THRIVING



Many of our readers have noticed and emailed in to ask why there has been no mention of our dog Coco, for the last few months.

As you can see from the picture, Coco is doing very well and despite the colder weather . She is more than happy to take a quick dip in the sea whenever she gets the opportunity.

This is her at the top of the steps at Portobello on a beautiful day last week.

You can understand a rather eccentric dog happily going in for a swim, but, at Portobello beach , you would be amazed at the number of people who go in swimming all year round !

This started a few years ago with one or two people but these days, to see perhaps as many as twenty people swimming in the middle of winter would not be considered to be unusual.

Fair play to these bold characters, but it's not for me !

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TWO HIGH TEMPERATURE SPX PUMPS FOR BREWERY



One local brewery engineer could not wait for Christmas to arrive and so he treated himself to the two spanking new pumps that you see above.

These pumps are fitted with special mechanical seals that can operate at temperatures up to 150 Degrees Centigrade which is pretty hot compared to most applications.

The two long coupled pumps were supplied to one of our clients who requires them for a high temperature application, treating malt, as part of his brewing process.

You can see from the length of the coupling covers that the distance between the pumps and motors has been exaggerated to allow the dissipation of heat and stop waste heat being transferred into the motor. Sometimes the flexible couplings which in these pictures are hidden under the yellow safety covers, have small propeller fans fitted which causes air to be blown against the back of the pump as an additional feature to stop heat creeping along the motor shaft and entering the motor itself.

**Even Santa has to agree that if anyone
wants new pumps for Christmas don't wait
for Santa, best call Ferrier Pumps !**



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ROBERT GORDON INSTITUTE

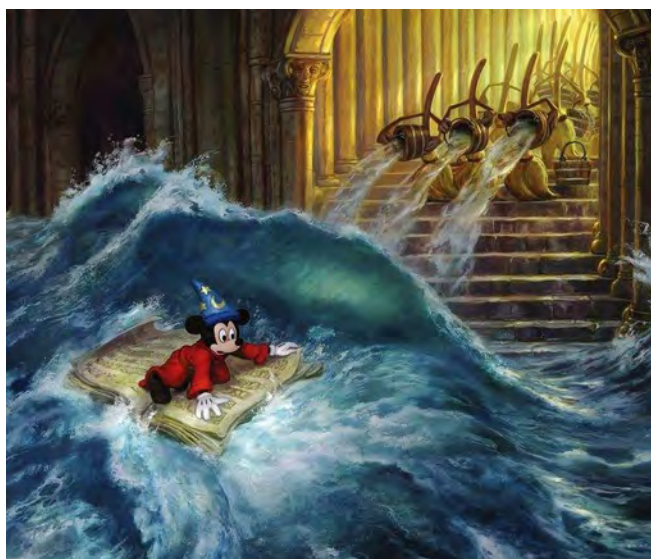
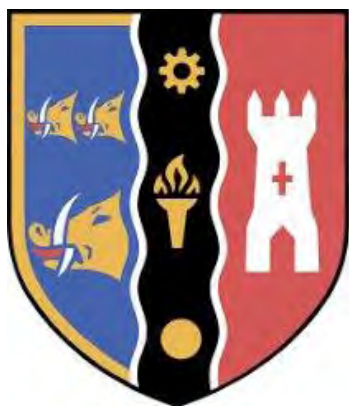


Our Aberdeen office did well earlier in the month when our friends at Robert Gordon's Institute called to say they were in a bit of a pickle.

Their main boiler house had flooded to about four feet and caused considerable damage to quite a number of pumps and pressurisation units.

We immediately attended site and were given the instructions to "Get us up and running again at the lowest cost !"

So, in a nutshell , that's exactly what we did by drying out some electric motors and control panels, fitting some new pump heads and replacing some kit altogether.



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CIRCOR ADD TO THEIR SCHROEDAHL RANGE OF PUMP PROTECTION VALVES



Circor have once again added to their valve range with the cleverly designed, and all new, SCHROEDAHL Pumps protection valve. These valves are widely used through the oil industry, marine and power generation.

Schroedahl Pump Protection valves, who are part of Circor – they launched a new product and their new brochure this year – flyer attached, link to brochure below.

Have a read at the brochure as it's only 62 pages long, and with this enhanced knowledge, you will become a sought after dinner guest!

OK, that's maybe pushing it but if you get the principal of what the range has to offer, you might get yourself out of a fix one day.

CIRCOR | **RTK** | **FERRIER PUMPS LTD**
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Control valves | Actuators Sensors | Electronic components | Actuators Regulators

SMART RELIABLE FLOW CONTROL SOLUTIONS

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COMPACT PUMP PROTECTION
HIGH BYPASS FLOW

NEW SCHROEDAHL®
TDL AUTOMATIC RECIRCULATION VALVE

WITH BETTER PERFORMANCE

PROTECTS YOUR PRODUCTIVITY AND PROFITS FROM CATASTROPHIC INCIDENTS

If you want maximum protection and flexibility at different process flows, Schroedahl TDL automatic Recirculation Valves are the solution. They will help to keep your centrifugal pumping systems running smoothly. Flow-sensitive self-acting and self-modulating, this valve reacts quickly against damage from overheating and cavitation and combines a float line check valve and an automatic bypass flow control system.

A FLEXIBLE SOLUTION FOR LARGER CRITICAL SYSTEMS

Specially engineered for large low-pressure centrifugal pumping systems from 10 in up to nominal pipe size (NPS) 36, Schroedahl TDL Automatic Recirculation Valve range delivers quality, durability and reliability – and now comes with compact cast housing design for better bypass flow offers maximum flexibility in bypass trim sizes.

Its recirculating function creates pump stability with fewer clogging and gear problems and less vibration in critical applications.

Crude Oil
Crude oil pumps

Refining
Fire protection pumps

Petrochemical
Aromatics and fluid gas pumps

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