



FERRIER PUMPS LTD

Edinburgh • Glasgow • Aberdeen

Serving Scotland for over 35 years



www.ferrierpumps.co.uk



INTRODUCTION

For over 35 years, we at Ferrier Pumps have worked hard to establish ourselves as experts in the field of design, supply and installation of Pump Systems.

The range and variety of pump projects that we have undertaken over this time is far too extensive to be adequately covered in this one brochure. However, it is a fact that, large or small, each project and contract has always been allocated the same importance and strict attention to detail that has helped us build upon our track record of excellence and provide our customers with a standard of service that is second to none.



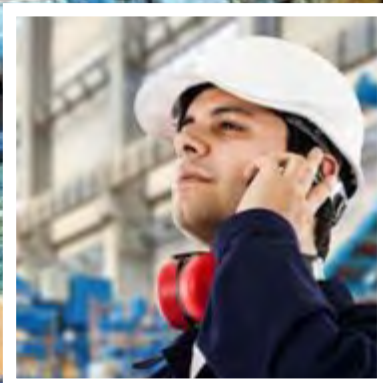
As you read on, you will see how the processes and equipment we utilise in one segment of our market overlaps and complements the technology used in other areas of our business. This means that we are on a constant learning curve, building upon our experience and utilising the innovation pioneered in one sector to solve the challenges found in another. That's what keeps our work interesting and why we enjoy doing what we do.



Clean & Waste Water

The larger part of our contracting business concentrates on the design, construct and commissioning of new, and the refurbishment of existing, Clean & Wastewater assets for Scottish Water and their Framework partners. We design and build these stations. As well as installing clean water and solids handling pumps, we design projects which incorporate sludge handling equipment, screens, mixers and chemical dosing, including chemical dosing equipment and UV and aeration treatment systems. High Voltage (11,000 volt), and standard voltage M.C.C's and telemetry systems also come under our remit.

Ferrier Pumps are a Scottish Water , Quality & Standards IV, Tier I Waste Water Infrastructure Delivery Partner: Lot 3 Mechanical & Electrical Framework (No. SW13/CAP/867/1)



Ferrier Pumps are also the only MEICA contractor on the Scottish Water Rural framework (No. SW14/CAP/0912), approved to carry out operations throughout Scotland.

Ferrier Pumps are on the Scottish Water Framework (No. SW16/ME/1040), for the supply of Electrical & Mechanical consumables.

Ferrier Pumps are also on the Scottish Water Framework (No. SW16/ME/1048/16), for the Inspection ,repair & maintenance of Electrical & Mechanical equipment.

As we are accredited with ISO 9001, ISO 14001 and OHSAS 18001 and are qualified to carry out Principal Contractor and other Health & Safety functions as a stand- alone company or in a JV Partnership with others. This includes the capacity to supervise & carry out Civils Works as required by our clients.

We invest heavily in our staff and they are trained to current Site Health & Safety standards including CSCS up to Manager Level (SVQ level4), Confined Space Working , National Water Hygiene as well as Appointed Persons and Emergency First Aid.



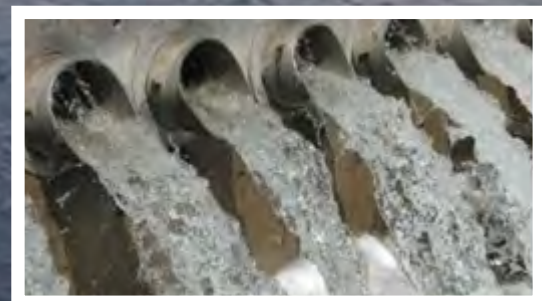


FLOOD PREVENTION



We have installed many flood prevention projects in Scotland, both large and small. For those that have had the misfortune of experiencing one, flooding can be a nightmare. To know that a flood prevention scheme has been installed only to discover that it is inadequate for the job, not functioning or simply clogged with debris and unable to operate when an emergency occurs, is inexcusable.

Ferrier Pumps work with the most experienced flood prevention consultants in Scotland and liaise with Scottish Water and local authorities to ensure that only the best, most reliable equipment is installed on these vital pump stations. Installations are carried out in full accordance with industry best practice and we ensure that the pump stations we build and maintain are always able to perform at 100% of their design capacity.



Stations can be fitted with automatic self-cleaning screens to minimise the risk of pump inlets clogging and they can be fitted with standby generators to ensure full operation, even when there is a power outage. Telemetry systems are fitted as standard on most of these schemes so that local authorities can monitor pump performance and any failures or problems can be quickly brought to the attention of those responsible for the systems operation. Flood prevention is a very satisfying aspect of our work and we are proud to be able to say we have an excellent success rate with all of the flood prevention pump stations we have designed and installed to date.





ADOPTABLE PUMPING STATIONS



© T-T Pumps Ltd

Ferrier Pumps design and build pump stations which comply with the latest Scottish Water Sewers for Adoption regulations. We are the largest provider of such pump installations in Scotland and we provide an ongoing after sales service for all our work.

These pump installations can include Telemetry Systems which are used to monitor the integrity of a pump station while the station is in the process of being adopted and houses on site are in the process of being sold off.

The pump stations we build are sewage stations and potable water pump stations. They can also be designed to accommodate the needs of the local fire brigade.

As explained elsewhere in this brochure, we are a Scottish Water, Quality & Standards, IV , Tier I Waste Water Infrastructure Delivery Partner: Lot 3 Mechanical & Electrical, Framework No.SW13/CAP/8671, and Scottish Water M&E Rural Framework Partner No.SW14/CAP/0912.

We are well qualified to design and build these systems and have been doing so for thirty five years. We look forward to working with you on your next project.





BUILDING SERVICES

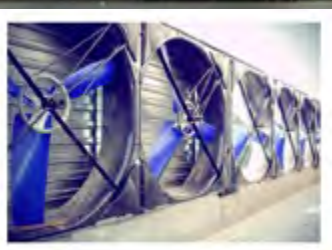
A large part of our business is supplying pumps and back up services for Building Services and in assisting Facilities Management Companies, who rely on us to carry out specialist maintenance on their behalf, especially on sophisticated multi pump systems and installations with energy saving variable speed controls.

This normally incorporates pumps that are used for heating, cooling, air conditioning and system pressurisation duties, but also includes pumps designed for potable water supply and sewage applications.



Every aspect of a building's pumping requirements is covered by the range of products and services we offer, and we also supply and install pumps in lift shafts, underground car parks and basements that are prone to flooding.

Our Programmed Maintenance Service ensures the smooth running of businesses, schools and hospitals with maintenance schedules designed to suit our client's requirements regarding site access and shutdown times.





FOOD PRODUCTION

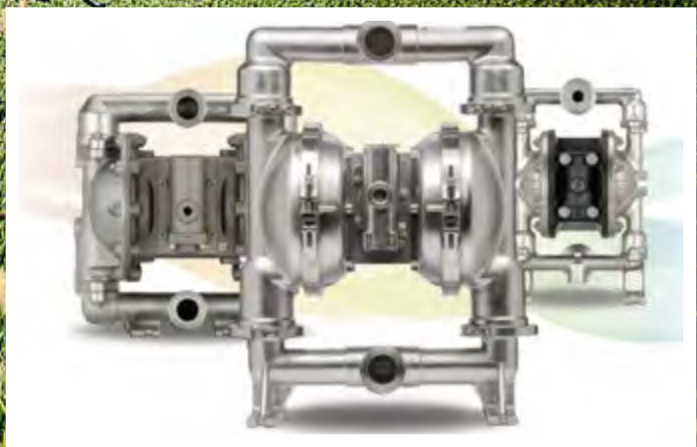
The Food Industries perhaps offer the greatest variety of challenges in our market, as there is hardly any aspect of the wide spectrum of pumps and valves available that do not have some niche application connected to food production.

This can vary from applications such as transferring fruit without pulverising it for jams and dessert fillings, injecting baked beans or mashed potato into pies, chocolate production or simply the maceration and transfer of waste products such as fish offal, abattoir waste or disposing of mud and grit from vegetable washings.



N INDUSTRIES

Many pump systems used in food production are standard industrial pumps whose characteristics and features suit these applications the same as if they were part of a typical industrial process. However, when we select different types of Food Quality Hygienic Pumps, these are of much more sophisticated designs which incorporate materials such as stainless steels with high quality polished & electroplated finishes, with easy strip down and clean features. Clean In Place (CIP), steam connections are often fitted with clinically designed internals that eliminate food particles from building up and accumulating inside the pump itself.





BREWING & DISTILLING



There are many opportunities for us in the field of Brewing and Distilling and we have pumps and mixers within our range to suit all applications. We provide mixers for mash tanks, pumps for cooling and condensate, back wash pumps, hot liquor and effluent treatment, as well as product transfer, cask filling and bottling systems. These are all regular applications that we select and provide equipment for. We also supply vacuum pumps and blowers for grain transfer, de-gassing, aeration purposes and even labelling duties at the bottling plant.

These pumps come in a variety of designs and materials and once again Hygienic pumps play a large role in these industries.







LEISURE INDUSTRIES

Many leisure pastimes employ a variety of pump systems operating in the background. We supply pumps for every conceivable application and will select the correct product to match your requirements regardless of which section of Scotland's Leisure Industry you work in.

We supply brine pumps for ice rinks and pumps and filtration systems for large aquariums and municipal fountains as well as chemical dosing systems for swimming pools. Our pumps and filter systems are installed in spas and saunas, we have aeration systems fitted at trout fisheries and we supply pumps for ornamental water features and for feeding water to snow making machines. All across Scotland our equipment operates in shower rooms and toilets, including sewage systems used on camping sites, marinas and holiday chalets. Irrigation systems for golf courses and water features for hotels and gardens are all catered for.



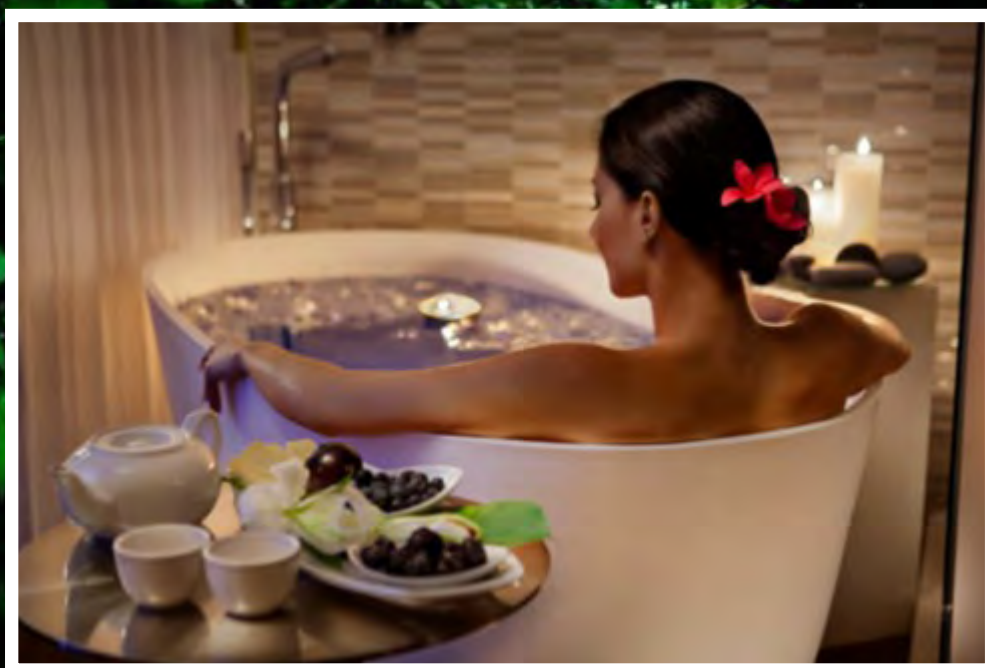
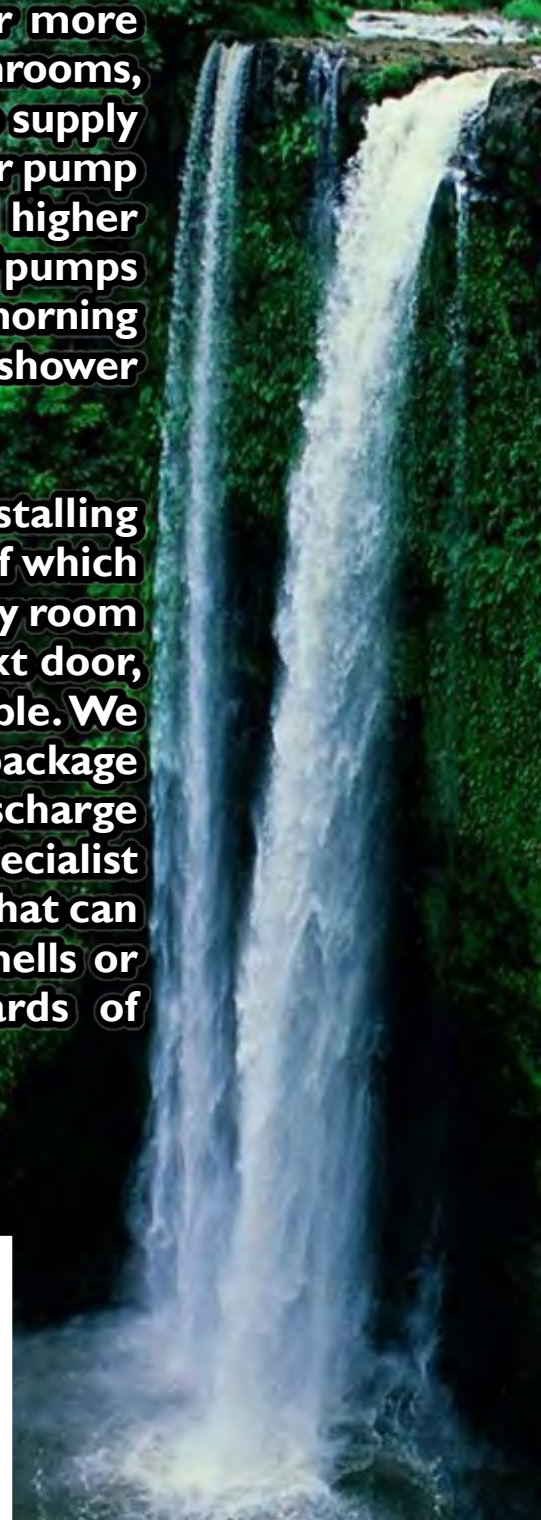




BATHROOMS AND

With an increased demand for more sophisticated and luxurious bathrooms, we find ourselves being asked to supply more complex and powerful shower pump systems which give a much higher pressure and higher flow than in times gone by. We have a full range of pumps that can give your shower the “Zing” effect in the morning and also the “Waterfall” effect that expensive shower systems now demand.

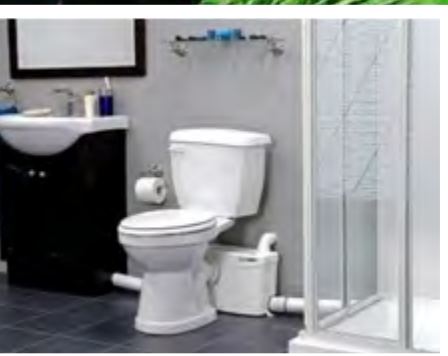
There is also a major trend with people installing bathrooms and wet rooms in basements, many of which are below the natural drainage level. Often a utility room with a sink and a washing machine is installed next door, once again without gravity drainage being available. We can help here as we have an interesting range of package sump pumps that can handle the below-ground discharge from baths and showers and we also have a specialist selection of sealed sewage macerator pump sets that can accommodate toilet waste without any nasty smells or odours. These operate to the highest standards of reliability.



BASEMENTS

For the elderly, we have special pump systems for showers and walk in baths that are installed by local authorities to accommodate wheelchair users and people who are not mobile and have no choice but to have a shower and toilet installed on an accessible floor. These pumps can handle small solids and hair and can run dry.

These systems work well and allow comfort and hygiene for all.





OFFSHORE

Since our inception we have worked closely with Scotland's Offshore Oil Industry in a variety of challenging roles. We have supplied pumps and mixers of every description for dredging applications, ballast transfer, mud pumping, mud mixing, water jetting and bilge emptying. Our pumps have been used on pigging applications, fire prevention, waste maceration, sewage and potable water systems as well as chemical dosing and trench blasting.

We are familiar with Offshore Vacuum applications and Pressure Testing systems and provide the Offshore Industry with a spare parts and repair service for a vast range of pump products all over the world.





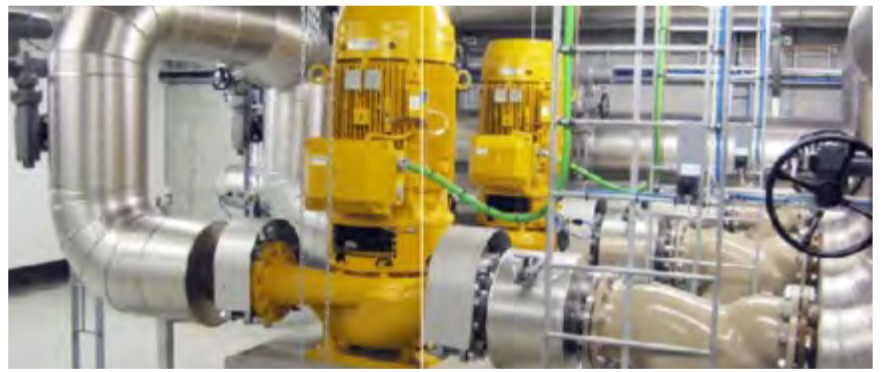


MARINE

Marine pumps come in all shapes and sizes. Seawater and a ship's environment are a highly corrosive combination so the pump materials we use have to be selected with care ranging from marine grade zinc free bronze to special corrosion resistant cast irons.

We provide pumps for engine cooling, boiler feed, bilge duties, fire protection, tank & ballast transfer, cargo handling, deck washing, sewage, fresh water and fuel systems. These routine duties aside we also supply pumps to transfer live fish, to aerate lobster holding tanks, systems for on-board fish offal processing, sand and mud dredging and for dispensing detergents to break up oil spillages. Drive options can include engine mounted / pulley drives, diesel engines, AC & DC electric motors and hydraulic and air driven motors as well as foot and hand operated pumps. We supply spare parts for hundreds of different makes of pumps and provide a fast and reliable service worldwide to our marine customers.





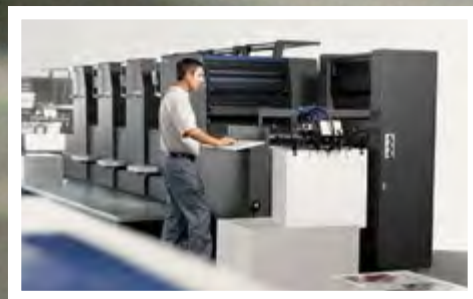


VACUUM PUMPS **& BLOWERS**



We provide a specialist service to our clients, encompassing the complete spectrum of Vacuum and Blower products. There are few areas of manufacturing that do not use these pumps for such diverse applications as removing air from wet concrete, removing moist air from commercial baking ovens, transferring fish food pellets, vacuum shrink packaging, plastic moulding, lifting sheets of glass & metal, lowering the boiling point on sterilising systems and dust suppression and collection.

Whether we are designing aeration systems for sewage sludge treatment or for increasing production at printing or fish food processing plants, you can be assured that we have the knowledge to select the most reliable and economic Vacuum & Blower equipment to not only suit your applications, but greatly exceed your expectations and requirements.





CHEMICAL MANUF

We have a large selection of pumps in our portfolio to accommodate the wide and varied range of applications required to satisfy the needs of the chemical manufacturers and chemical handlers with whom we work. This includes **ATEX** rated Flame Proof pumps.

There are a large variety of pumps in specialist metals available to cater for the chemical characteristics of the fluids handled and an ever increasing choice of pumps produced in thermoplastic polymers and fibreglass which provide an ideal solution to aggressive chemical agents and offer an affordable alternative to more expensive specialist alloys.



ACTURE & HANDLING

These pumps include metering and dosing pumps, end suction centrifugal, self-priming, sealless tank mounted types, immersed or externally mounted and also magnetic drive pumps, air operated diaphragm and barrel emptying designs.

In addition to this we can offer peristaltic and progressive cavity pumps for a vast array of highly viscous, abrasive and aggressive chemicals with a variety of drive options to suit all applications. These pumps are frequently fitted with variable speed drives and with batch controllers.





REPAIR & SERVICE



Workshops



Each of our three depots has a fully equipped workshop which enables us to carry out repairs to pumps and mixers over and above 100KW. Pumps are cleaned, stripped and inspected and diagnosed for any faults or wear. The pumps are then repaired, tested and re-painted. These repairs are carried out with a minimum of fuss, with a keen eye focused on whether the customer is getting value for money. If a repair is likely to be too costly we will always inform our customer before we

commence work and provide a recommendation that a new pump should be purchased if this in our opinion, would be the best option.

However, the broken down pump might be vital to our customers business causing loss of production or it may be dimensionally obsolete requiring major pipe work modifications before a new model of pump can be fitted. In such circumstances, the options are quickly assessed and explained to our customer and should expediency dictate that an essential repair be deemed the best alternative, we will endeavour to turn the obsolete pump around in the shortest time possible. Once the emergency has passed we normally follow up with a proposal for a new pump with pipe work modifications to be carried out at an agreed time allocated for planned maintenance.



Call Outs

Each of our three depots offer a 24 hour, seven day, 365 year round, call out service. This is absolutely essential for genuine emergencies where hospitals, care homes, hotels and manufacturers who front 24 hour operations, have no option but to call for help when unexpected problems arise. Our engineers can be contacted by phone, text or e mail and are able to provide valuable assistance out of hours. Even if the problem cannot be permanently fixed immediately, our engineers can assess the situation and draw from our workshops and stores a range of equipment to temporarily restore your heating, water supply or sewage services. Such breakdowns are stressful, expensive and can cause a loss to your businesses reputation as well as a loss of profits. Programmed Maintenance is the best way to prevent these breakdowns arising.



Programmed Maintenance

Ferrier Pumps are a great believer in the benefits of Programmed Maintenance. Experience clearly proves that our customers benefit from increased reliability and lower overall lifetime costs when a Pump Maintenance Programme is in place.

To minimise pump breakdowns, for many years now we have been operating our “Gold Star Maintenance” programme where we agree upon a schedule with our clients as to how often their equipment is to be serviced and to what degree that service should be carried out. These assessments are based on the average running hours the equipment is employed and by discussing with our client exactly how



essential the reliability of their equipment is to their business. And so, a single pump system providing water to a holiday cottage may only require one inspection and service each year, but a sewage pump station that services four hundred houses would be visited three or four times a year with at least one major service being carried out every twelve months.



Fitting control panels with hours run meters and other devices that monitor the efficiency of our pump systems gives us an accurate picture of when pumps require servicing and when the time

for a repair is imminent. Telemetry devices can also warn us when a pump is not running at its best, which is a sure sign that problems are not far away.

For example, changing bearings and seals in good time can mean you prevent leaks which could cause extensive flood damage and expensive motor failures at a later date.

Our customers know as well as we do that Preventative Maintenance makes sense. We suggest you bite the bullet and sign up for an appropriate Maintenance Protection Programme covering all your vital pumping equipment which will give you peace of mind to enable you to run your business without worrying about pump breakdowns. Trying to save a few pounds by ignoring pump maintenance is a policy you know will ultimately catch up with you.





SPARES & ACCESSORIES

A large part of our turnover consists of pump spare parts and the accessories that go with them.

You can see from our picture gallery that we have a full range of industrial pump related products to back up your business and help reduce down time, keeping breakdowns to a minimum.

Always remember, Ferrier Pump Engineers, both internal and external are there to help you.

Give us a call as our aim is to serve you to the highest standards.





SUPPLIERS

Below is an alphabetical list of pump makes, all of which we can supply and repair

A

ABS
Albany
Alfa Laval
Alldos
Allweiler
Amarinth
Apex
APV
Aquatech
Armstrong
ARO
Atlas Copco
Aurora
AxFlow
Azcue

B

Becker
Beresford
Biral
Blagdon
Bornemann
Boyser
Busch

C

Calder
Calpeda
Caprari
Cat
Chemquip
Clyde Union
Crane
Crest

D

Dab
Dawson Downie
Dellmeco
Depa
Desmi
DP
Dua

E

Ebara
Egger
ESPA
Etatron

F

Faggiolati
Flotec
Flotronic
Flowserve
Flux
Flygt
Fristam

G

Gee
Gilkes
Girdlestone
Godwin
Gorman Rupp
Goulds
Graco
Grindex

H

Hadron
Hamworthy
Hidrostal
Hilge
HMD
Holden & Brooke
Hoval
Hughes
Hydra-Cell
Hytek

I

Idex
IMO
IMP
Ingersoll Rand
Inoxpa
Iron
ITT

J

Jabsco
Jesco
Johnson
Jung

K

Kecol
Kolmeks
KSB

L

Landia
LMI
Little Giant
Lowara
Lutz

M

Marathon
MDM
Mackley
March May
Micropump
Mission
Modus
Mono
Moyno

N

Netzsch
New Haden
Nocchi

O

Obart

P

Packo
PCM
Pedrollo
Peerless
Plenty Mirrlees
Pomac
Prominent
Pullen

R

Ram Pumps
Rietschle
Roach
Robbins & Myers
Robuschi
Roto
Rovatti
Ryaland

S

Sacemi
Salamander
Sandpiper
Seepex
Selwood
Sero
SIHI
Smedegaard
Speck
SPP Pumps
SPX Flow
SSP
Sterling
Stork
Stuart Turner
Sulzer
Sykes

T

Tapflo
T-T Pumps
Torishima
Toyo
Totton
Tuthill

V

Vanton
Varisco
Varley
Vaughan
Verder
Versamatic
Vican
Viking
Vogel

W

Warren Rupp
Watson Marlow
Waukesha
Weir
Whale
Wilden
Wilo
Worthington
Simpson

XYZ

Xylem
Yamada





FERRIER PUMPS LTD

Edinburgh • Glasgow • Aberdeen



Edinburgh Depot

Burlington Street
Leith
Edinburgh
EH6 5JL

Tel: 0131 553 4001

Fax: 0131 553 1272

edinburgh@ferrierpumps.co.uk

Glasgow Depot

71 Cumbernauld Road
Dennistoun
Glasgow
G31 2SN

Tel: 0141 554 3454

Fax: 0141 554 2772

glasgow@ferrierpumps.co.uk

Aberdeen Depot

Units 4 & 5
Barclayhill Place
Portlethen
Aberdeen AB12 4PF

Tel: 01224 782022

Fax: 01224 780050

aberdeen@ferrierpumps.co.uk

