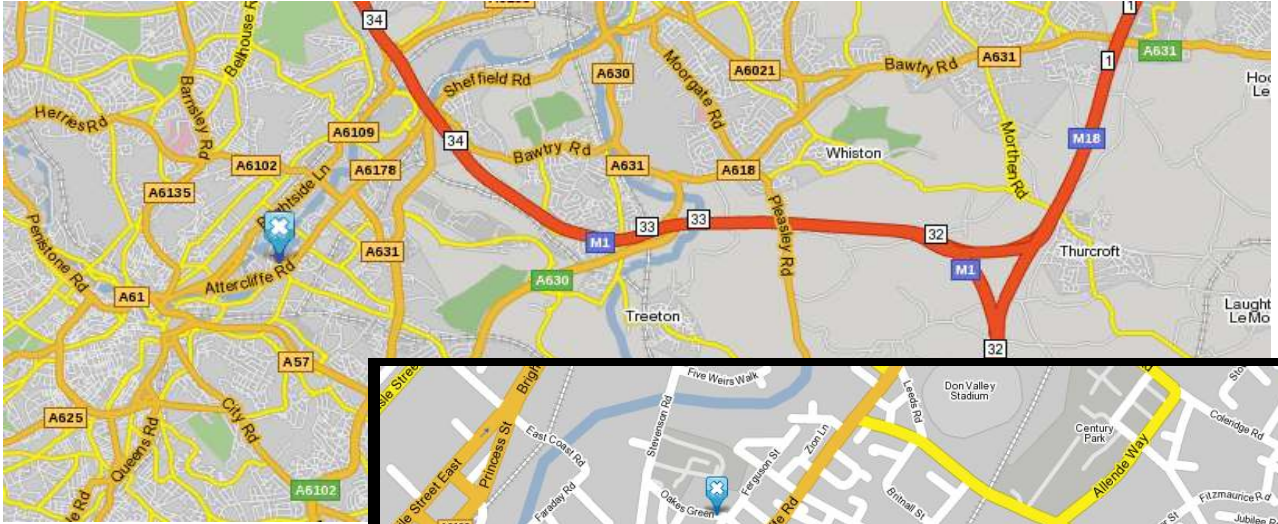




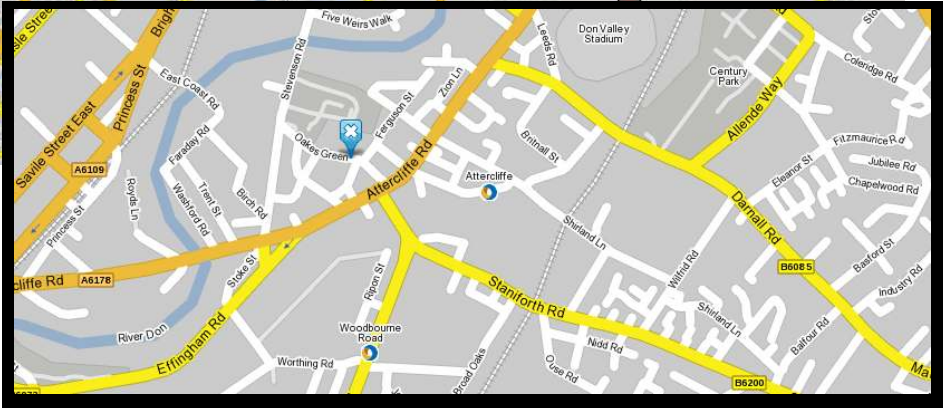
# PUMP SUPPLY & REPAIR SERVICES



**Tel (0114) 2610667** [www.hss-online.co.uk](http://www.hss-online.co.uk)  
ELECTRO-MECHANICAL SERVICE & SUPPLIES



Unit 4 Oakes Green Court  
Oakes Green  
South Yorkshire  
Sheffield  
S9 3WR



HSS have over 20 years experience within the Yorkshire, Humberside & Lincolnshire region in all areas of pump supply repairs & maintenance. Based close to Junction 34 of the M1, our offices & workshop are ideally located within easy reach of the M18/M62/A1 and M1 motorways for regional access.

### Visit our Webshop

We understand that business costs are rising so time is money. So to help our customers we have developed a new e-commerce shop.

This gives you the time to look through the other products we supply and give you the chance to save money and time by using us a one stop supply shop for all your engineering supplies.

Just visit our site to register your account and we will inform you of all the latest additions and special offers.

If you cant find what you want let us know.  
**sales@hss-online.co.uk**

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**Fax (0114) 2619671**



## What are Pumps?

The pump is widely taken for granted by the general public to be either a term for a shoe or something used to pump up a car tyre. In fact without pumps the world would come to a shuddering halt. Pumps are used to process and supply life's essentials such as food & drink, production of gas, power & energy.

They are used widely in manufacturing industries for wood, steel, glass, petro-chemicals, oils, chemicals & aggregates. Pumps come in many styles and designs, and are capable of moving fluids, powder, gases and even solid objects through hydraulic force.

We are one stop shop for all your pump supply and repair services. We can supply the best pumping system to suit your specific requirements.

## Industrial Applications

Coolant and condensate pumps for transfer of cooling lubricants to machine tools as well as boiler feed pumps. Oil, Chemical, Paint Varnish transfer by a variety of pumping methods to suit your requirements.

## Pressure Boosting

Vertical and horizontal, centrifugal pumps and pressure boosting systems for liquid transfer and boosting of hot and cold water.

## Food and Beverage

Pumps suitable for use in the food process and packaging industry including hygienic diaphragm pumps, lobe and screw pumps for solids handling for shear sensitive products plus batching and monitoring systems

## Groundwater Supply

Submersible pumps for groundwater supply, irrigation and groundwater lowering.

## Domestic Water Supply

Jet pumps, Submersible pumps, multistage centrifugal pumps and compact systems for water supply in homes and garden applications.

## Sewage and Wastewater

Drainage, effluent and sewage pumps for a wide range of applications in building services as well as transfer of raw sewage in municipal sewage systems.

## Tailor made pumping solutions

Systems designed and built to suit your requirements whatever the application.

## Dosing Pumps

Dosing pumps for chemical injection in all kinds of water and waste water treatment systems and industrial processes.



**Motor Rewinds**

HSS can also rewind and repair all types of AC/DC motors, generators, transformers & AC/DC control gear & associated electrical equipment. We offer a 24 hour emergency repair service, as well as on site technical advice, testing and equipment surveys. We can also supply a wide range of electrical rotating machinery & associated control gear including hazardous atmosphere motors.



**Refurbished & New Mechanical Seals**

We have over 20 years experience of supplying a wide range of mechanical seals from component, single, double, split, bellows and seal support systems. We can advise on retrofitting mechanical seals into packed gland pumps or offer you competitive replacement products or even refurbish your old seal. You can also buy standard mechanical seals online from our webshop [www.hss-online.co.uk](http://www.hss-online.co.uk)



**Mechanical Drive Systems**

We are stockist and distributors of all types of power transmission products including - **Couplings**- Rotex - Lovejoy - Fenner - Falk, **Belts** - Goodyear - Conti - Fenner - Opti belt - SKF, **Pulleys** - Fenner - Opti belt - SKF **Chain drives** - KOBO - Renold - Diamond - **Tensioners** - ROSTA, **Clutches & Brakes** - Mayer - Lenze, **Bearings** - SKF - NKE - RHP - NTN - FAG - NSK - Timken - Nachi



**Filtration Solutions**

We can also specify and supply filtration equipment for almost any application for fluid and air purification purposes. These include in-line simplex & duplex basket filters by Plenty & Zwicky, available in cast iron, ductile and stainless steel construction. Cartridge filters with paper, organic, stainless steel, cotton, pvc elements suitable for many types of fluid. Filters for compressed air and for extraction and purification purposes are also available.



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**Repair Services**

HSS have over 20 years experience within the Yorkshire, Humberside & Lincolnshire region in all areas of pump repairs & maintenance. Based close to Junction 34 of the M1, our offices & workshop are ideally located within easy reach of the M18/M62/A1 and M1 motorways for regional access.

We offer a pump repair service which can be undertaken either on or off site at some of the most competitive labour rates (please contact for further details).



Our repair service includes collection from your site by our own dedicated vehicles, we will then strip down and clean the pump, investigate the problem and advise the next course of action. We will put all our findings in a full break-down quotation detailing all the cost associated with the pump repair. We can also offer as part of the quotation a full digital photographic back up of all the broken parts if required. On authorising the pump repair the pump will be reassembled using manufacturer parts, painted to our standard Blue RAL or to your specified colour subject to availability. We can also provide shotblast and powder coated finish to most pumps dependent on condition and age of unit at extra cost.

**Testing Facilities**

All pump repairs are fully tested before leaving our premises. This can be hydrostatically tested upto maximum working pressure or if required can be fully wet tested using our new 3000 litre purpose built test-rig facility. This can be carried out on in-line and submersible pumps.

We can also provide flow and pressure test reports and witness tests certification these can be to our general test procedure or can be tailored to suit your needs. After completing our quality assurance checks the pump will delivered back to your site.



**Our workshop can comfortably repair most types of pumps including:-**

- |                       |               |
|-----------------------|---------------|
| Centrifugal           | Peristaltic   |
| Progressive Cavity    | Vacuum        |
| Submersible           | Gear          |
| Plunger               | High Pressure |
| Lobe                  | Vane          |
| Positive Displacement | Rotor         |
| Air Diaphragm         | Air Piston    |



**Circulation Pumps Heating, Ventilation & Pressurisation Pumps**

Until recently, heating circulator pumps were produced in a multitude of dimensional standards making major pipework modifications necessary when replacing these obsolete units. HSS have a wealth of knowledge of these earlier heating circulator pumps allowing us to select new models which will require little or no change to the pipework.

As with many industries, energy efficiency is fast becoming the driving force in initial pump selection. The Heating & Ventilation building services market is no exception with variable speed drive pumps offering units that perform not only to the precise needs of the system but also offer massive savings in running costs. It should be noted that many existing installations can be upgraded retrospectively on both circulator and water booster sets and advice is freely available.

We can offer a repair service on all heating and circulator pumps but we have listed a few of the major heating circulator pump manufacturers including:



- Apex
- Pullen
- Caprari
- Ebara
- Grundfos
- Gilkes
- KSB
- Gould Lowara
- Ryaland
- Stuart Turner
- Worthington Simpson

- Armstrong Holden Brooke
- Calpeda
- Crane
- Godwin
- Girdlestone
- Ingersoll Dresser
- Lowara
- Potterton Myson
- Smedegaard
- Wade
- Wilo



**Boosted Water Supply Pumps**

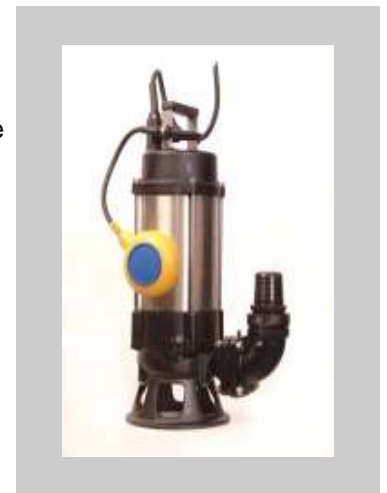
One of the most important services to any site, whether industrial or residential, is water, and accurate pump selection that considers all the factors involved is critical. More stringent water regulations are now precluding direct connection to the mains water supply. The resulting need for holding tanks therefore kills the pressure previously afforded by the mains water supply. Booster pump sets are required to restore the pressure required. Whether the requirement is for single or multi-pump, constant or variable pressure or energy saving variable speed drives, HSS can help with assessing the most suitable pumping equipment.

**Submersible And Dry Well Pumps**

Submersible pumps are commonplace in many building installations. They are an adaptable pump for pumping many different products. These pumps can be designed to suit clean drinking water or to pump the most arduous, dirty products such as raw sewage. They can also be used for water boosting where space is at a premium. The use of borehole submersible pumps is a popular option for buildings which are isolated or for large volume use required in factories.

- Sewage Waste Removal
- Laundry water removal
- Cellar groundwater removal
- Water Features And Displays

- Drinking Water Supply
- Rainwater recovery
- Landscape Irrigation
- Flat roof water removal



## Well known Brands From a Local Source

As well as a comprehensive range of standard "Off the shelf" pumps and ancillary equipment we are also suppliers of recognised heritage brands such as:

- \* Weir Pumps
- \* Clyde Pumps
- \* Girdlestone Pumps
- \* Mather & Platt
- \* Harland
- \* Drysdale
- \* WH Allen
- \* Allen Gwynes
- \* Union Pumps
- \* David Brown
- \* DB Guinard Pumps
- \* American Pumps
- \* Pumpline
- \* Worthington Simpson
- \* Ingersoll Dresser



All The Heritage Brands have a proud history which extend well over 100 years and we are proud of our long list of prestigious heritage product brands.

A large number of Heritage Products around the world still operate today providing reliable and economic service. We are fully committed to supporting these products by provision of parts and service for all current and obsolete lines. Maximise the lifespan, reliability and availability of your Heritage Products by fitting only genuine, original or upgraded specification, OEM parts.

## Heritage Brands – Complete Units

As well as providing parts we can supply complete replacement machines. We recognise that due to site constraints, hydraulic compatibility and existing infrastructure it is often the most effective solution to replace or add additional units on a like for like basis.

Spare Parts for repairs to these pumps are supplied in conjunction with ClydeUnion who supply us with Genuine OEM Parts to suit. High integrity original or upgraded specification pump spare parts, correctly fitted, will ensure reliability and availability hence aiding optimised plant operation.

We guarantee supply of pump spares for all heritage brands and obsolete products.

- Original or Upgraded specification
- Maximises reliability & availability
- Assured compatibility
- Customer Satisfaction
- Quality Assurance on every product



## Service Promise

Prompt and accurate quotation service and progress reporting during contract execution facilitates ease of doing business. Delivery to promise and accelerated service are recognised as key customer requirements and we therefore offer a Rapid Response option which offers component deliveries from as little as 24hrs.



## Air Operated Diaphragm Pumps

HSS are stockists and suppliers of a wide range of AOD pump manufacturers including all the well known brands such as Blagdon, Wilden, Sandpiper, ARO, Graco to name just a few.

AOD pumps operate substantially different from conventional driven centrifugal or positive displacement pumps so wherever compressed air is available you can have an AOD solving a pumping problem in literally hundreds of applications. They will handle a wide variety of fluids. High viscosity liquids that can't be handles by centrifugal pumps, low viscosity liquids that can't be handled by other positive displacement pumps – even low density powder can be handled effectively.

The state-of-the-art air valve designs insure reliable stall-free operation in all types of low pressure and troublesome stop/start applications. Regardless of the application or the conditions of service AOD users can operate with confidence, knowing that their AOD® will start each and every time. No metal to metal wearing surfaces, technical materials and precision manufacturing techniques combine to provide the industry's original completely oil-less design.

No oil misting in the environment, no unhealthy working conditions and no oil, lubricants or grease to contaminate your products. The external serviceable main spool allows simple access making inspection quick and easy. There is never a need to take the pump out of service or to disassemble the pump to inspect the main spool.

AOD Pumps are available in sizes from 1/4" through to 3" in aluminium, cast iron, stainless steel, polypropylene and PVDF with a variety of elastomers including Neoprene, Buna-N, Viton, Santoprene and PTFE.

- |   |  |
|---|--|
| Sizes from 1/4" to 3"   | Flow rates from 0 to 52m <sup>3</sup> /hr                          |
| Stall-free performance operating as low as 5PSI & as low as 3.5ltr/hr | Maximum air inlet pressures up to 125 PSI (8.8kg/cm <sup>2</sup> ) |
| Can be mounted above or below liquid level even submerged             | Self-priming   |
| Operate against closed discharge without pump damage                  | Runs dry without damage to the pump or piping system               |
| Inherently explosion-proof so no electrical components to spark       | Handles shear sensitive or fragile liquids like paint and ink      |

Size	Body					Elastomers						Max flow ltr/min	Max pressure Bar (PSI)
	Polypropylene	Aluminium	Stainless	Cast Iron	PVDF	Neoprene	Nordel	Teflon	Buna	Viton	Santoprene		
1/4"	•	•	•		•			•				12.9	6.9 (100)
1/2"	•	•	•		•			•				57	8.8 (125)
3/4"	•	•	•			•		•	•			103	6.9 (100)
1"	•	•	•	•		•		•	•			132	8.8 (125)
1 1/2"		•	•	•		•		•	•			284	8.8 (125)
2"	•	•	•	•	•	•		•	•			643	8.8 (125)
3"		•		•		•		•	•			871	8.8 (125)

## Air Operated Diaphragm Pump Spares



We also can supply spares and accessories to suit all makes of AOD Pump from manufacturers across the globe. We can supply spares and advice on how to service your AOD pumps or our engineers can repair them for you at our fully equipped workshops in Sheffield.

We can also supply all air control equipment you need or running your AOD pumps including filter regulators, valves, pipework, hoses and compressors.





## Booster Pumps

### Ebara Compact Multistage Pumps

Horizontal Multistage pumps.

Technical Data Flow max 5m<sup>3</sup>/h Head max 48m

Liquid temp 0degC to +35degC Operating pressure max 7.5bar

Suitable for a wide range of liquid transfer including:

single or two family houses	farms
weekend cottages	industrial plants



### Ebara JE/JEX self-priming pump

Self-priming jet pumps.

Technical Data Flow max 5m<sup>3</sup>/h Head max 48m

Liquid temp 0degC to +55degC Operating pressure max 6bar

Suitable for liquid transfer in:

households	gardens
hobby activities	agriculture
horticulture	small industry



### Ebara EVM multi-stage pump

Wide range of multistage centrifugal pumps, with electronically controlled options.

Technical Data Flow max 120m<sup>3</sup>/h Head max 330m

Liquid temp -40degC to +180degC Operating pressure max 33bar

Suitable for a wide range of liquid transfer applications, including:

washing systems	cooling and air-conditioning systems
water supply systems	water treatment systems
fire fighting systems	industrial plants
boiler feed systems	



### Engine Driven Sets

HSS offers a range of engine driven self-priming pumps, such as the TDS, TED, FE and SCR ranges, which are of light construction with a combination of aluminium for the outer casing and cast iron for the impeller and wear plate. These sets vary in size therefore suitable for different types of applications, and are suitable for de-watering, irrigation, wash-down, filling and emptying and for construction sites.

Technical Data Solids handling up to 35mm

Petrol 4-stroke Honda engine Different ranges for clean and grey water

TED range for trash and sludge, solids handling up to 35mm solids up to 20mm TDS range for grey and trash water,



### Jabco Utility Range

Jabco Utility range of self-priming transfer pumps with bronze or stainless steel pump body and impeller made of flexible rubber for transfer of water and liquids. Ideal for water transfer, fuel/oil transfer (bronze), emptying of bund enclosures and 12 and 24 volt for vehicle use.

Technical Data Outlet size 25mm to 40mm

Protective carrying frame available for some models

Max. liquid temperature of 70°C handles some soft solids



### J-Series

The J Range are surface mounted, self-priming, centrifugal pumps with open impeller, handling large diameter solids and replaceable wear plates. They have easily opened inspection covers and externally lubricated mechanical seals. Ideal pumps for within waste treatment plants, industry, construction, naval duty and civil engineering.

Quick self-priming	Robust construction
Solids handling	Easy maintenance
Reliable, wear resistant	



## Commercial End Suction Pumps

### APEX TD TC

Close-coupled, single-stage volute casing pump with ratings to EN 733. Replaceable shaft protecting sleeves and impeller wear rings. Applications: water supply, irrigation/spray irrigation, drainage, heating and air-conditioning systems, pumping drinking water, service water, hot water, cooling water, swimming pool water, seawater, fire fighting water, condensate, oil, brine, cleansing agents, brackish water.

- |   |                          |
|---|--------------------------|
| Reliable standardised mechanical seal   | Large material selection |
| Pressure jacket designed to guarantee high operating reliability                        | Service friendly motor   |
| Suction geometry designed for maximum suction capacity and optimal cavitation behaviour |                          |



### Ebara CD - CMD - 2CDX

Single and twin stage standard pumps.  
 Technical Data Flow max 2000m<sup>3</sup>/h Head max 160m  
 Liquid temp -25 °C to +140 °C  
 Operating pressure max 16bar  
 Suitable for liquid transfer in:

- |                                    |                          |
|------------------------------------|--------------------------|
| heating systems for block of flats | air-conditioning systems |
| cooling plants/systems             | washdown systems         |
| Fire fighting systems              | other industrial systems |
| Stainless steel and cast iron      |                          |



### Compact Peripheral Turbine Pumps

Specialist compact turbine pumps designed for applications needing a low flow with variable pressures. Suitable for heating, chilled water and process applications.

Technical Data Max flow 2.4m<sup>3</sup>/h  
 Max head 107m  
 Operating temp -10 to +80°C

- |                               |                                |
|-------------------------------|--------------------------------|
| Manual or automatic operation | Cast iron and bronze pump body |
| Multi voltage motors          |                                |



## Commercial End Suction Pumps

### Close Coupled End Suction

A comprehensive range of single stage, end suction, radially-split centrifugal pumps designed for a wide variety of applications. Features self-venting casing to prevent air binding, heavy duty bearings that are sealed and lubricated for life, back pull-out bearing frame for easy removal, and self-lubricating mechanical seal to prevent liquid seepage.

- |                                |                              |
|--------------------------------|------------------------------|
| Back pull out design           | Drain and gauge connections  |
| Centreline discharge casing    | Stainless steel shaft sleeve |
| Dynamically balanced impellers |                              |



### Long Coupled End Suction

A comprehensive range of single stage, end suction, radially-split centrifugal pumps designed for a wide variety of applications. Features self-venting casing to prevent air binding, heavy duty bearing that are sealed and lubricated for life, back pull-out bearing frame for easy removal, and self-lubricating mechanical seal to prevent liquid seepage.

- |                              |                                    |
|------------------------------|------------------------------------|
| Back pull out design         | Flexible coupling                  |
| One piece baseplate          | Drain and gauge connections        |
| Stainless steel shaft sleeve | Dynamically balanced impellers     |
| District heating plants      | Heating systems for block of flats |
| Air-conditioning systems     | Cooling plants/systems             |
| Washdown systems             |                                    |



**EBARA**



**LOWARA**



**calpeda**  
Creative Technology



**NOCCHI**

**Ebara Best Series Pumps**

Submersible drainage and effluent pumps.  
 Technical Data Flow Max 35m<sup>3</sup>/h  
 Head Max 18m  
 Liquid temp 0°C to +55°C  
 Particle size Max ø50mm  
 Suitable for:

- |                             |   |
|-----------------------------|---|
| drainage of flooded cellars | pumping of household wastewater         |
| lowering groundwater        | emptying swimming pools and excavations |
| drainage of drain wells     | emptying tanks and reservoirs           |



**ITT Flygt Ready Series**

Ideal portable dewatering/drainage pump for construction sites, Industrial sites, tunnels, flood clean up and Irrigation  
 A proven solution for light to medium corrosive and abrasive applications.

- |                         |                  |
|-------------------------|------------------|
| Flows up to 7l/s        | Heads to 14m     |
| Double mechanical seal  | Spin out feature |
| Dual position discharge |                  |



**Tsurumi LSC1.4 Pumps**

The LSC1.4, also known as the “puddle sucker” is a versatile, portable, submersible pump for clean water. This pump features the ability to pump down to 1mm, therefore ideal for removing water from flat surfaces such as floors and flat-roofs. Ideal for emergencies, utilities, construction and hire fleets.

- Technical Data Outlet size 25mm  
 Solids handling 6mm  
 Motor output 0.48kW, 2-pole
- Compact and portable, low maintenance design
  - Top discharge with vertical/horizontal positioning
  - Twin mechanical seal in oil bath    Motor protector, dry running



**KSB Ama®-Drainer**

Vertical, close-coupled single-stage submersible motor pumps, IP 68, with level control, for a maximum immersion depth of 10m.  
 Applications: drainage of sumps, pits, yards and basements subject to a flooding risk, lowering of surface water levels, drainage of underground passages, water extraction from rivers and reservoirs.

- |                        |                     |
|------------------------|---------------------|
| Portable               | Automatic operation |
| Zero leakage at pumps  | Easy installation   |
| Ready to be plugged in | Maintenance free    |



**Tsurumi KTZ Range**

The KTZ range of heavy duty submersible dewatering pumps are designed for the toughest of pumping jobs in the worst possible conditions where reliability and efficiency are essential. These pumps are ideal for quarries, mining, civil construction and industrial processing applications.

- Technical Data Outlet size 50mm to 150mm  
 Solids handling 8.5mm to 20mm  
 Motor output 1.5 to 11kW, 2-pole
- Compact and portable
  - Top discharge, so great for confined spaces
  - Motor protector, dry running



## ABS Pumps Piranhamat 100 and 120

Compact faecal pumping unit for direct connection of one WC and also suitable for connection of one basin and one shower. The Piranhamat 100 and 120 product has been designed for domestic use and can be used in conjunction with small bore discharge pipework – 1", 1 1/4".

Compact unit ready to plug in and suitable for direct connection to WC

Utilises ABS patented cutting system for pumping faecal matter

Attractive corrosion resistant synthetic tank

Integrated carbon filter fitted to reduce odours



## Package Pumping Stations

Our Range of Sewage Package Pumping Stations provide an efficient and economical way of installing a sewage or surface water drainage pumping station, and are available on short lead-times to fit in with tight construction schedules. All four standard models in our range are covered by BBA certification. All packages come complete with pipework pre-assembled in the chamber, controls and a high level alarm indicator. These stations are ideal for various establishments, including residential dwellings, hotels, hospitals and schools.

Suitable for commercial and domestic applications

Four chambers, for use within single dwelling up to large developments

Only BBA approved package pumping stations in UK



## DAB Rainwater Collection and Reuse Systems

DAB Pumps Design, supply and support an extensive range of pump systems for the collection and distribution of recycled rainwater for all residential and commercial applications. Complete system suppliers from specialist rainwater collection tanks, filtration, essential accessories and comprehensive pump management stations.

Models: Active Switch, Aquaprof, Aqua-Twin, Aqua-Control, AP-Hybrid.

Above ground, directly pressurised systems

Integral mains water back up facility

Unique, innovative designed residential Aquaprof system

Fully automatic, self-protected operation

Specialist high quality rainwater collection tank systems and filtration

Complete solution



## EBARA Submersible Borehole and Well Water Pumps

Cold water submersible pumps for boreholes and well water applications, 4", 5" and 6" diameter.

Applications include: domestic water supply and irrigation for agricultural and horticultural installations.

Technical Data Max flow 66m<sup>3</sup>/h

Max head 468m

Max temp +40°C

Manual or Automatic operation

Fixed speed or variable speed control

Techno polymer, bronze alloy or stainless steel components

Accessories, cabling and control



## Grease Traps and Biological Drain Dosing

Aluline grease and oil interceptors are designed to comply with Building Regulations 2202 Part H. Current regulations state commercial hot food kitchen outlets must have grease/oil interceptors installed to prevent the discharge of fats, oils and grease into municipal sewerage systems.

Alutrap AG range of above ground grease traps are designed for simple fitting into new or existing premises.

Manufactured from 304 grade stainless steel and passivated welded seams they are built to last.



## High Pressure Pumps



### Cat Pumps

Cat Pumps is widely recognised as the premium brand of high pressure triplex plunger pumps. Cat Pumps are regularly specified by engineers, designers, process technicians and maintenance managers who rely on them for optimum reliability, minimal downtime and excellent support.

### Brass Pumps

Brass pumps are used for pressure cleaning and other water duties.

Flow rates from 0.1 to 284l/min	Pressures up to 350bar
Excellent reliability	High efficiency
Economical brass head material	Continuously rated



### Nickel Aluminium Bronze Pumps

Nickel aluminium bronze pumps are used for pumping seawater.

Flow rates from 0.1 to 284l/min	Pressures up to 350bar
Excellent reliability	High efficiency
Continuously rated	Nickel aluminium bronze head
High strength	Good corrosion resistance



### 316 Stainless Steel Pumps

316 stainless steel pumps are used for pumping corrosive liquids.

Flow rates from 0.1 to 284l/min	Pressures up to 350bar
Excellent reliability	High efficiency
Continuously rated	Cast 316 stainless steel head
Very good corrosion resistance	



### 'Block-style' Pumps

'Block-style' pumps are used for pumping highly corrosive liquids.

Flow rates from 0.1 to 284l/min	Pressures up to 420bar
Excellent reliability	High efficiency
Continuously rated	316 stainless steel head
Hastelloy™ and Titanium options	Machined from solid forged billets
Excellent corrosion resistance	Fully machined internal surfaces



### Specialised CO<sub>2</sub>

Specialised CO<sub>2</sub> versions available for pumping liquid Carbon Dioxide in refrigeration and industrial processes.

Flow rates from 0.1 to 140l/min	Pressures up to 350bar
Able to pump non-lubricating liquids	Low temperatures down to -28°C
Withstand high inlet pressures	Continuously rated
316 stainless steel head	Seal condition monitoring



## Vacuum Pumps & Blowers



### Dry Running Vane Pumps - Busch Seco

The Seco vacuum or pressure pumps are oil-free pumps with self-lubricating vanes made of special carbon. They are ideal pumps for all industrial applications requiring totally oil-free operation. The Seco Print model is designed for used in Packaging, Print and Paper applications.

#### Features

Easy to install	100% oil-free air
Low noise levels	Extra long-life composite vanes
Low maintenance	Spares Readily Available



### Liquid Ring Pumps - Busch Dolphin

The Dolphin pumps are the new series of sophisticated, single / double stage liquid ring vacuum pumps. The proven compression principle allows it to be used in all industrial sectors. Critical applications like evacuating humid gases or vapours are possible without problems. Ultimate pressures of up to 33 mbar, with steam ejectors up to 8 mbar, can be achieved.

#### Features

Robust and proven design	Reliable
Compact	Low maintenance



## Progressive Cavity Pumps

Mono Pumps are at the forefront of progressive cavity pump design. They have built up considerable expertise in providing solutions for wide ranging applications from simple transfer duties through to complex process specifications.

### Mono CB Range

The CB Range provides an economic answer to many pumping duties. Simple design and construction provide extended pump life and require minimal routine servicing.

- B07/B14/B15 0.37kW, 230V, 1ph
- Pressures up to 2.76bar
- Suction lifts up to 8m on water
- SB bearing housing design option available.
- Flow rates up to 600 ltr/hr
- Fully self priming
- CB model is Monobloc® design.

### Mono M Range

The M Range is close coupled with a number of synchronous speed motors and is ideal for light industrial and domestic applications including the transfer of diesel fuel oil, water based inks, vegetable oils and other non-aggressive chemicals.

- MS 0.18kW, 115/230/400V, 1 and 3 ph
- ML 0.55kW, 400V 3 ph
- Flow rates up to 3100 ltr/hr
- Fully self priming
- Available in cast iron and stainless steel
- MM 0.37kW 115/230/400V, 1 and 3ph
- ML 0.75kW, 115/230V, 1ph
- Pressures up to 3.45bar
- Suction lifts up to 8m on water

### Mono G Range

The G Range is widely used whenever general pumping and transfer duties call for a compact and reliable pump of rugged simple construction. Suitable for transferring light fuels, hot glues, small solids in suspension.

- Flow rates up to 3500 ltr/hr
- Fully self priming
- Monobloc® design
- Pressures up to 5.0bar
- Suction lifts up to 8m on water
- Bearing housing design options

### Mono LF Range

The LF Range is ideal for applications where accurate, low flow pumps are needed for intermittent or continuous dosing. The gentle pumping action makes it ideal for pumping delicate, shear sensitive products.

- Flow rates up to 590 ltr/hr
- Synthetic or stainless steel versions
- Two stage models are available
- Pressures up to 12.0bar
- Incorporates the Flexishaft concept

### Mono B Range

The B Range has been developed for markets where value for money and economy of space are paramount.

- Flow rates up to 225m<sup>3</sup>/hr
- B model is Monobloc® design
- Pressures up to 6.0bar

**Mono®**



## Gear Pumps



### Albany Standard And Viking Pumps

A range of self-priming, non-pulsating gear pumps giving a smooth, repeatable flow. Manufactured in cast iron with steel rotors and shafts, plain bearing, packed gland or mechanical shaft sealing and screwed connections. Adjustable internal relief valve available on all models. Suitable for use with cooking oil, fuel oil, lube oil, paraffin, thermal oil, vegetable oil solvents, bitumen, molasses, glue, varnish, detergents, anti-freeze, insecticides, paints with viscosities from 4 to 1250cst and fluid temperatures from 0degC to 95degC. Flow rates 3.5 to 300 l/min and discharge pressures up to 10 bar.



Viking has the experience and product options to solve your fluid handling challenges. You have a choice of application specific products and positive displacement technologies including: Internal gear External gear Rotary lobe Rotary vane These high precision pumps are suitable for pumping high viscosity fluids such as resin, bitumen, tar, glue, polymer and glue.

## Hygienic Pumps

### Inoxpa Realm Hyginox

The Hyginox range of centrifugal pumps has been designed for general use in the hygienic processing industries including CIP/SIP, service and product applications.

- SE – all stainless steel with option of stainless steel motor shroud
- SH – stainless steel pump head but with a steel lantern and un-shrouded motor
- SN – USA NEMU standards

### Inoxpa Realm Prolac

The Prolac range of centrifugal pumps has been designed where the highest sanitary requirements are needed in the hygienic processing industries. A self priming version is available.

- S – all stainless steel with steel motor casing
- SA – for duties where the product contains air or gases i.e. CIP return applications
- HP – for duties where there is a high suction pressure i.e. filtration systems
- SWFI – this pump complies with the highest hygienic requirements of the pharmaceutical industry

### Inoxpa Realm RF

The RF pump is a flexible impeller pump which through its design is self-priming and can be run in reverse.

- Main applications are for both low and high viscosity products
- Products containing particles or gases
- Usual applications food, cosmetic, personnel healthcare and chemical industries

### Inoxpa Realm Lobe

A wide range of lobe pumps enabling the handling of most viscosities, temperatures and solids including low shear and abrasives.

- SLR – supplied with Bi- or Tri-lobe rotors and all stainless steel construction for viscous and/or product containing solids. Use in the food, pharmaceutical, personnel healthcare, chemical and associated processing industries
- HLR – to EHEDG standards
- BCL – designed specifically for the pharmaceutical industry
- TLS – close coupled, cost effective design



## Dosing Pumps

### LMI

LMI manufactures a wide range of electronic and motor-driven metering pumps and controllers for simple chemical addition, to complete systems to control conductivity, pH, and ORP. LMI products are designed and manufactured in ISO9001:2000 facilities throughout the world for reliable, dependable operation in a variety of applications including; cooling towers, boilers, potable water, wastewater, swimming pools, plating, mining, car wash, oil and gas IP65 corrosion resistance enclosure as standard.

#### Electronic range

Series A Max output 7.6l/hr Max press 17.3bar      Series B Max output 26.5l/hr Max press 10.3bar  
 Series C Max output 76.0l/hr Max press 20.7bar      Series P Max output 12l/hr Max pressure 17.3bar

**Motor-driven range** Series G Max output 1180l/hr Max pressure 12.0bar



### ProMinent

ProMinent's aim is to offer solutions for entire process steps to all customers. One of these processes is Chemical Fluid Handling. That is the process chain that a liquid chemical has to pass at a customer's site. Starting with storage, then transfer of the liquid chemical to the dosing point, dosing by means of a dosing pump and the appropriate measuring, control and sensor equipment, up to the point where the chemical leaves the customer's site.

**Solenoid range** - Offering manual, multi-function, integral timers and proportional control

Max output 75l/hr      Max pressure 16bar

**Motor-driven range**

Max output 1000l/hr      Max pressure 16bar



### Etatron

Etatron are a leader in manufacturing and development of Chemical Dosing Equipment and offer a comprehensive range of Solenoid and Motor Driven Chemical Dosing Pumps for all your liquid handling requirements. Etatron's knowledge extends to incorporate a wide variety of controllers, wall mounted units or control panel design, which include pH, Redox, Conductivity, Chlorine and Flow.

**Solenoid range** - Offering manual, multi-function, integral timers and proportional control

Max output 80l/hr      Max pressure 20bar

**Motor-driven range**

Max output 1068l/hr      Max pressure 20bar



## Magnetic Drive Pumps

### Totton NDP Range

For continuous transfer/re-circulation of aggressive chemical, pure or precious liquids and chilled water in photographic, reprographic, X-ray and industrial processing equipment especially where space is limited. Technical Data Flow rate 10 to 35ltr/min Head 2 to 4m

Manufactured in chemical resistant thermoplastics

Leak free continuous operation

230V-1ph-50/60hz

Minimal heat transfer to pumped fluid

Drip-proof IP22 motor housing

110V-1ph-50/60hz



### Totton NEMP Range

For applications requiring safe, leak-free continuous flow of aggressive chemicals, acids, alkalis, sterile & chilled fluids. Widely used for frame scrubbing, laser cooling and chemical spraying applications.

Technical Data Flow rate 20 to 520ltr/min Head 4 to 30m

Same as above plus

IP54 or IP55 motor housing options

230V-1ph-50/60hz or 110V-1ph-50/60hz



### March May TE Pumps

A comprehensive range of magnetically driven centrifugal pumps with over 60 models for small to medium sized duties. Manufactured from techno polymers to make them resistant to most aggressive chemicals.

Technical Data Flow rate 700ltr/min Head 0 to 36m Max temp 120°C

Polypropylene, PVDF, Ryton or 316 stainless steel

Threaded connections

Trimmed impellers for high SGs and viscosities

All models ex-stock



### March May SDM Pumps

Stainless steel magnetically driven centrifugal pumps for medium to large sized duties, ATEX applications and high temperature duties.

Technical Data Flow rate 3 to 27m<sup>3</sup>/hr Head 0 to 25m Max temp 300°C

316 stainless steel

Threaded or flanged connections

Can be mounted vertically

Trimmed impellers for high SGs

ATEX certified for gas zone 1, dust zone 21, temp rating T4



### Siebec Pumps

A range of magnetically driven centrifugal pumps for medium to large sized chemical transfer duties.

Technical Data Flow rate 3 to 90m<sup>3</sup>/hr

Head 0 to 70m

Max temp 90°C

Polypropylene or ETFE

Threaded or flanged connections

Self priming versions available

Trimmed impellers for high SGs



### March May AS Pumps

A comprehensive range of chemically resistant column pumps for aggressive chemicals and effluent treatment applications.

Technical Data Flow rate 3 to 120m<sup>3</sup>/hr

Head 0 to 55m

Max temp 90°C

Polypropylene, PVDF or PVC

Column lengths up to 3000mm

Available with suction strainers



### Lutz And Jabsco Drum Pumps

A comprehensive range of drum and container pumps comprising of different power rated motors and seal-less pump tubes in a variety of materials and immersion depths.

Safe Container Emptying

220/240V, 110V, 42V, 12V electric or compressed air

Atex approved

700, 1000, 1200mm immersion depths

Polypropylene, PVDF, stainless steel, Aluminium, Hastelloy C materials





### Machine Tool Coolant Pumps

Machine tool suds pumps designed for the pumping of cooling liquids, cutting compounds and cutting oil.

- \* Flanged designed for vertical assembly directly on top of the coolant vessels.
- \* Minimum and maximum temperatures are 0-60'c.
- \* Not for pumping abrasives, so the liquid being pumped has to be filtered to stop impurities entering the pump chamber.



### Swimmey Swimming Pool Pumps

We have a range of manufacturers to offer on swimming pool pumps, including ITT Marlow, Nocchi Swimmey, Ebara and Calpeda. These are suitable for small domestic pools and hot tubs. We can also supply pumps to suit Olympic size swimming pools. The smaller type of pool pump are supplied with integral basket filters to prevent damage to pumps from debris and matter that may be present. Many of these pumps are interchangeable across the range and can be easily fitted to existing pipework systems. Our range of dosing pumps are ideally suited to chemical dosing for swimming pools



### Fuel Transfer Pumps.

We also have an enviable range of re-fueling pumps, hoses, nozzles and systems to give you total control of your fuel costs. Whether you are transferring from containers with hand pumps, from barrels with low voltage pumps or you are in need of a large volume transfer system please do not hesitate to visit our website for further details or ring our sales team. We also have a complete range of oil and grease transfer equipment for use in garage and industrial workshops.



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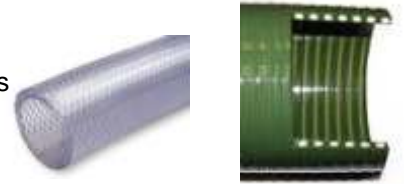


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- Fast emergency turnaround service available
- Fast quotations for customer approval
- Cost savings through in-house fabrication and machining
- ISO Quality standards maintained

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## Hoses and Fittings

As well as a massive range of pumping equipment we also supply a complete range of hoses & fittings to compliment this. Whether its hoses for portable use or solid pipework for permanent installations we can help you.



### Rubber, PVC, Stainless steel flexible or any other type

We hold a large stock of different size and styles of hose to suit almost every possible hose application. Stainless steel ptf lined hose are one of our most popular lines along with general purpose PVC clear braided and green suction and delivery hoses. We also manufacture swaged rubber hose for hydraulics while you wait at our Sheffield workshop and hold a large amount of rubber hose which we can professionally fit Bauer style couplings ready for collection within a matter of minutes.



### Mild steel, Stainless Steel, Copper and Plastic pipework from stock

Mild steel, malleable iron, stainless,PVC, Polyprop, ABS and even copper are used for pump installations, this is the reason we also supply tubing and fittings to help you complete your pumping system installation. From a 1/8"bsp plug to 12" Pn16 steel flange just try us for size. We can also offer premium brand such as Crane or GF or Neutral economy fittings to suit your budget.



Our stainless steel fittings can be supplied to suit all applications from standard 150lb upto twin ferrule high pressure systems for Gas and the Petro-chem industries.

We also supply polyplumb copper tube and fittings including general plumbing brassware at competitive rates.



### Manual and Automatic Control Valves

As well as stocking a large selection of manual operated ball, gate, and butterfly valves, we also supply and repair automated control valves. Air operated or motor driven we can quote free of charge for the repair or refurbishment of any valvestock you may use.



### Air Operated and Hydraulically Managed Systems

A lot of pumping systems are now controlled through automated designs rather than mechanically to save running costs and the chance of operator error. We can design, supply and install fully automated turnkey systems or we can supply the bits for you to do it yourself.

We use recognised components from manufacturers such as Metalwork, Norgren, Parker, Rexroth, Siemens, Telemecanique and Brook to give you peace of mind that the systems will not let you down.



**Pump and Pipework Installations**

As well as being able to deliver all types of pumps for any application, we are also able to install the pumps and pipework to your specifications. We have a wealth of experience when it comes to cooling and heating systems, whether it heat exchangers, chillers, oil burners, water pressure boosting plant rooms we can do it. We are also qualified to do commercial gas installation and decommissioning services.

We can also conduct surveys and implement system changes to keep your premises water use safe and within the strict water regulation advisory scheme (WRAS) boundaries. These include the fitting of a-gap systems, RPG valves, insulation and pressure booster systems.



This is an example of one of our latest projects, which was to design and install a cooling system for an oil quenching system. This was a turnkey installation that was completed within the strict seven day window to allow our customer to minimise loss of production.



**ISO9001:2008 Registered Company**

We are proud to be an Quality assured company who follow a management system for the design installation and maintenance of pipework supplies and systems.

This includes following safe systems of work, providing method statements and risk assessments where required. If you don't have the time we can design the system for you using our AutoCAD or Solidworks software.



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