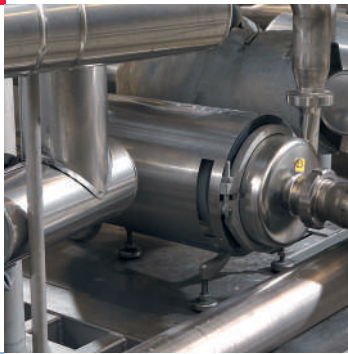




PUMP SYSTEM SPECIALIST



PROVIDING
SOLUTIONS IN
ALL AREAS OF
FLUID HANDLING







A PREMIUM SERVICE FROM PUMP SYSTEM SPECIALISTS

Dura Pump provides solutions in all areas of fluid handling. We offer supply, installation, repair and maintenance services.

We supply, install, repair and maintain pumps, pump systems, valves, packaged pump stations, booster sets and pressurisation sets to all major industries including facilities management and construction. Dura Pump is the only fluid control specialist that guarantees increased productivity and profitability for our clients through reliable and efficient solutions.

Our key services:

-  **Supply of pumps and spares**
-  **Pump and system installation**
-  **Pump and system repairs**
-  **Pump maintenance**

WHERE TO FIND...

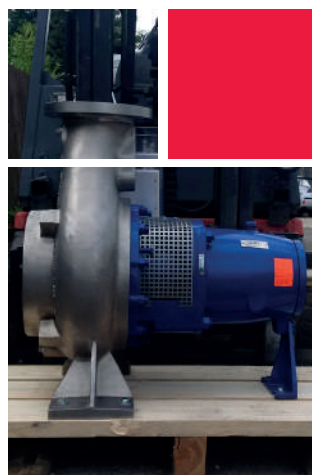
- 04 The sectors we serve**
Discover the industries we work with and what we can offer.
- 13 Energy savings**
Find out how much we can help you save on energy costs.
- 14 Pump repairs**
Understand our fully comprehensive repair services.
- 15 Servicing, supply and support**
How our team can support you from start to finish.
- 16 System design**
Learn more about Dura Pump turnkey system solutions.
- 18 Types of pumps**
We supply a wide range of pumps and spares.
- 23 Pump manufacturers we work with**
Our pumps and spares are supplied by trusted manufacturers.

FOOD AND DRINK

CASE STUDY A FAMOUS BREWERY GETS BACK UP TO SPEED

When it comes to making beer, everything has to be 'just so'. So, it was no small thing when a pump failed at a world-famous brewery.

We fixed it 3 times faster than average for a third of the price, crafting a replacement from a piece of 316 stainless steel.



Breweries, bakeries, prepared food and fresh produce manufacturers all benefit from our food industry experience and creative solutions.

Dura Pump has been dealing with the food and beverage manufacturing market since our conception in 2006. We understand sanitary requirements, how delicate some products can be and the sheer thickness or sticky nature of others. We have the engineering know-how and creativity to design unusual solutions, such as pumping chicken legs, processing baby food, cakes and beer-brewing. After all, we love being presented with challenges.

With access to virtually every pump and accessory available in the world, thanks to excellent relationships with our manufacturing partners, Dura Pump can provide you with your perfect solution.

Key processes for this sector:



Design An in-depth assessment of your requirements to find the most effective, energy-efficient and reliable solution.



Supply and install From simple replacement parts to large turnkey installations, our team provide a caring, friendly service.



Maintenance Ongoing maintenance on all systems ensures the best reliability and durability of your equipment.

CRITICAL SERVICES

This sector refers to any building which provides a crucial public service, from hospitals and schools to prisons, courts, and waste and emergency services.

Building services are the systems installed in buildings that make them comfortable, functional, efficient and safe for the building users. The building services sector typically covers buildings that 'serve' people – such as hotels, schools, prisons, hospitals and offices.

Successful building managers need to take the necessary steps to keep everyone that uses the premises happy. A reliable system that meets the building's requirements and has minimal chance of breakdown is the best way to ensure this while keeping costs under control.

Key processes for this sector:



Pumping water into the premises so it reaches the point of use, often with variation in high demand time periods.



Pumping wastewater out by removing the wastewater from the premises and disposing of it safely and efficiently.



Heating and cooling the premises, again to meet varying demands.

CASE STUDY HOSPITAL CRITICAL BOOSTER SET UPGRADE

A large hospital in London had reached a critical stage. An old booster set, critical to the hospital's water supply, had reached the end of its life. It still worked and supplied water to a tank on top of the hospital roof but the failure of this booster set would stop the tank filling and the hospital would run out of water within a few hours!



CONSTRUCTION

CASE STUDY GRP BESPOKE PUMP STATIONS

The Dura Pump team were approached by a renowned development company to provide not one but five pump stations for a large mixed-use high-rise tower in a prime location in the City of London.



Supporting, advising and supplying all those working on and off site, from groundworkers and developers to civil, mechanical, and electrical engineers.

Whether you are building a single new dwelling or constructing a range of high-rise apartments, we back construction projects up with all your foul and stormwater pump station requirements and booster and pressurisation sets. We have specialist staff, knowledge and a vast range of pumps and system solutions to support any project.

Key processes for this sector:



Design Based on your requirements, we will specify the correct size system for storage and the correct pumps for discharge.



Manufacture Our package tanks will be pre-fitted with the PVC pipework, valves and guide rails ready for a fast and easy installation.



Commissioning Once your pump station is installed with the rising main connected and power available, we will install the controls and pumps and commission the station.

WASTE AND STORMWATER

We take the stress out of waste and stormwater removal with our rapid response to emergencies and the experience to prevent future problems.

We have the engineering know-how and creativity to design, repair, install and maintain waste and stormwater systems. We understand waste and stormwater applications and how critical these systems are alongside the need for a correctly specified pump or maintenance programme for your application. A simple failure can lead to substantial cost and flooding. We understand how to solve the most common issues of blockages from wet wipes and sanitary products to removing industrial waste at high temperatures. Our team are able to assist you from regular Planned Preventative Maintenance (PPM) to system repairs and rebuilds, to the supply of complete packaged pump stations.

Key processes for this sector:



System upgrades and repair Reliable repair solutions to existing systems and full system rebuilds.



Maintenance Ongoing maintenance on all systems ensures the best reliability and durability of your equipment.



Pump stations Our package tanks can be pre-fitted ready for fast, easy installation on site. We also fit bespoke on-site builds.

CASE STUDY STORMWATER, A NIGHTMARE NO MORE!

Dura Pump were contacted by a floor manufacturing plant in Coventry who required a basic pump station for stormwater runoff from their yard.

Stormwater is an issue not to be taken lightly as it can cause major environmental issues, hence a correctly specified system needed to be installed urgently.



ABATTOIRS

CASE STUDY ABATTOIR NEEDED THEIR WASTE MOVEMENT AUTOMATED

The process was very mechanical. The sludge came from a chute through a wall into a large metal container. The container required full attention to ensure it didn't overflow. Several times per day, a forklift was required to remove the container and empty it into a tanker.



Providing slaughterhouses and meat processing plants with complete comprehensive systems that can save up to 50% on energy costs.

Dura Pump are a premier supplier of pumps and systems to the meat process industry. With a comprehensive range of solutions and years of expertise, we help companies streamline their pump systems. We provide pump system solutions for a wide range of applications from washdown to process to waste removal.

We have solutions that meet the most demanding applications from pumping chicken heads, offal, blood, feathers and waste to high-pressure washdown systems. We have provided up to 50% energy savings on washdown systems and other process plants, providing reduced energy costs, increased reliability and new systems self-funded by the savings.

Key processes for this sector:



Water supply, washdown and chiller Providing water flow and pressure to your facility and ensuring optimal efficiency.



Process pumps Providing solutions for process pumps for highly viscose liquids to high solid contents liquids.



Waste removal Effective solutions for factory liquid waste removal to ensure your effluent is kept under control.

INJECTION MOULDING

Supplying plastic component parts manufacturing with a wide range of pumps to fit very specific requirements that streamline their processes.

Dura Pump are a premier supplier of pumps and systems to the manufacturing industry and have assisted many in the injection moulding sector of manufacturing. With a comprehensive range of solutions and years of expertise, we help injection moulding companies streamline their pump systems and make substantial energy savings. With a wide range of pumps available from different manufacturers, we have the unique opportunity to ensure the best pump and system is specified for your exact requirements.

Key processes for this sector:



Energy savings and audits In-depth assessment to find the most effective, energy-efficient pump system.



Chilled water pumps From supplying a simple spare or replacement pump to a large turnkey installation.



System building Total turnkey solutions, from the initial site visit, design and manufacture to installation and maintenance.

CASE STUDY GLAZPART SAVES £22,000 A YEAR ON CHILLED WATER PUMPS

Glazpart is a leading player that designs and manufactures plastic glazing accessories for the fenestration industry and has specialised knowledge in glazing accessories and ventilation products. The company approached Dura Pump in order to find ways of making energy savings.





AUTOMOTIVE

CASE STUDY A LARGE AUTOMOTIVE MANUFACTURER

A large global engineering consultancy that specialises in the design, development and integration of advanced internal combustion engines and electrified powertrain systems had an old inefficient pump system feeding their test facility. The old system was a 1990's install of column pumps with very basic on/off control.



From full vehicle manufacturing plants and engine manufacturing plants to moulding components, we have specialist staff and products to back these processes up.

Dura Pump are leading suppliers of pump systems to the manufacturing industry and have assisted many companies in the automotive sector. We have the specialist staff and access to the best products to support full vehicle and engine manufacturing plants and to facilitate moulding components.

With a comprehensive range of solutions and years of expertise, we have helped automotive manufacturing companies streamline their pump systems, reduce failures and breakdowns and make substantial energy savings. Lead times in the automotive industry are a key factor, and breakdowns of systems can cost time and money.

Key processes for this sector:



Water supply, heating and cooling

Providing water flow and pressure to your facility and ensuring optimal efficiency.



Process pumps Providing solutions for process pumps for highly viscose liquids to high solid contents liquids.

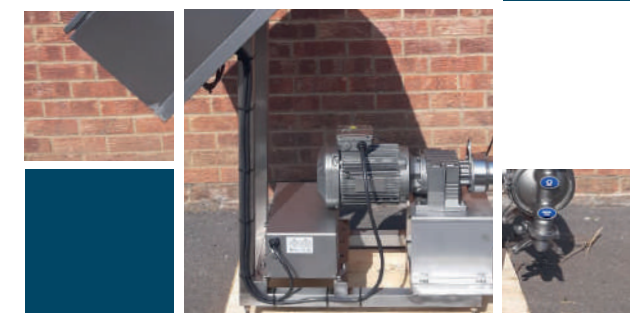


Waste removal Effective solutions for factory liquid waste removal to ensure your effluent is kept under control.

MANUFACTURE

CASE STUDY FOOD MANUFACTURER USES ELECTRIC DIAPHRAGM PUMP

A food manufacturing plant required a pump to transfer various food products containing small particles into a filtration plant. The style of process at the plant meant that there was a possibility that a pump could run dry.



Supplying pumps for a wide range of applications, from heat treatment and pharmaceutical to animal feeds and aerospace technology.

Dura Pump are a premier supplier of pumps and systems to the manufacturing industry. With a comprehensive range of solutions and years of expertise, we help manufacturing companies streamline their pump systems.

Industrial pumps are used for a wide range of applications across many industries. An industrial pump is usually a heavy-duty process pump used to move many different types of products, including water, chemicals, petroleum, wastewater, oil, sludge, slurry or food. The types of pumps typically used for industrial purposes include centrifugal pumps and positive displacement pumps.

Key processes for this sector:



Water supply, heating and cooling

Providing water flow and pressure to your facility and ensuring optimal efficiency.



Process pumps Providing solutions for process pumps for highly viscose liquids to high solid contents liquids.

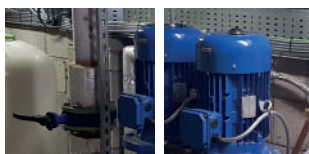


Waste removal Effective solutions for factory liquid waste removal to ensure your effluent is kept under control.

LOCAL AUTHORITIES

CASE STUDY NOTTINGHAM COMMUNITY HOUSING ASSOCIATION EMERGENCY

When NCHA approached Dura Pump in January 2017, it was looking for a reliable fix to its long-term pump system issues and a more cost-effective alternative to its current provider. NCHA encountered problems when it discovered a fixed-speed booster set had failed.



Keeping essential services such as prisons, hospitals, education and councils running by providing repairs, servicing and installations of pumps and pump systems.

We have been providing repairs, servicing and installations of pumps and pump systems in prisons and other public services for the past decade.

Our specialist team have been trusted for many years by numerous UK prisons in the design, supply and installation of pumps and pump systems across their facilities. These systems have provided efficient systems and made huge energy savings. Our engineers are DBS checked to ensure they do not have any convictions or conditional cautions that are considered to be unspent under the terms of the Rehabilitation of Offenders Act, giving you peace of mind.

Key processes for this sector:



Water into the premises and the requirement to have it delivered to the point of use.



Wastewater out removing the wastewater from the premises and disposing of it.



Heating and cooling the premises, again to meet varying demands.

Did you know that with the correct control you can slow down motor speed, saving energy and the need for valving back?

Use our free energy savings calculator on our website!

Did you know that payback times through energy-saving can provide you with a new system, self-funded by the energy savings in 6-24 months?

ENERGY SAVINGS

Our guarantee to you:

- Maximum 3-year payback on any work we do from the energy saved. Typically we work on 6 to 24 months!
- 3-year warranty on all the work we do.
- 3 years' free servicing, including ensuring your system remains super-optimised.

Our 4 step process:



Free site survey Our experienced pump consultant will complete a full assessment of your system, the set up and the time and money it is using, all obligation free!



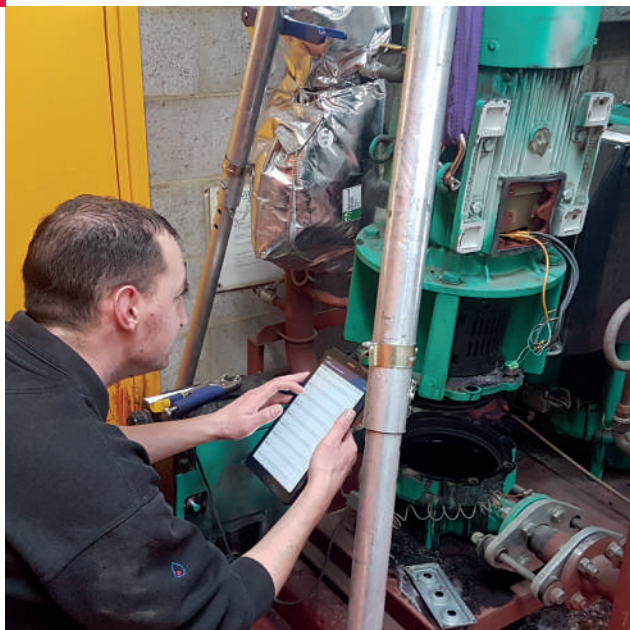
Design and specify Using our flow analysis software and energy calculators, we study where energy may be getting lost or if your system is already as efficient as possible. We'll use this data to make recommendations.



Supply and install We'll manufacture, supply and install in a way that ensures all equipment works to its optimum performance and to minimise your downtime.



Maintain Preventative maintenance keeps your system at full performance. Ensure your system remains reliable and energy-efficient with our range of maintenance packages.



Systems covered:

- Centrifugal pumps
- Chiller pumps
- Diaphragm pumps
- Heating pumps
- Macerators
- Multistage pumps
- Progressive cavity pumps
- Submersible pumps



PUMP REPAIRS

Our team of experienced pump technicians do anything from simple replacements to full pump system rebuilds.

Benefits:

- Simple repairs done on site, reducing system downtime
- Fully equipped machining workshop providing a complete pump overhaul system
- Our full machining service enables us to reduce lead times, reduce cost against replacements, manufacture obsolete parts and make modifications to suit your system
- Removal and installation ability, ensuring the unit is re-commissioned and tested
- Delivery and collection for pump repairs without the need of our site services
- 24-hour turnaround service for emergency breakdowns
- Over 40 years of engineering excellence and experience

12-month warranty on all repairs

PUMP SERVICING

Our engineers are qualified and experienced in the maintenance of virtually every manufacturer's products.

Most of us can relate this to the car or vehicle we drive. If it wasn't regularly serviced, it would breakdown or could lead to an accident. It would also have an impact on the actual life and overall cost of the vehicle. To drive a vehicle and not service it is unthinkable.

A pump system is no different. Dura Pump 'ProServe' maintenance packages provide a comprehensive service to prevent downtime, reduce unexpected costs and ensure your system is reliable year after year. Choose from our range of standard packages including Bronze, Silver, Gold, or speak to us about our Platinum programme for bespoke cover options.

Our maintenance packages:

PROSERVE BRONZE

PROSERVE SILVER

PROSERVE GOLD

PROSERVE PLATINUM



Why is maintenance important?

- Extends the life of your system**
- Saves you money**
- Reduces energy consumption**
- Covers your whole system**

Track everything with Connect

THE NEW APP FROM DURA PUMP









TURNKEY SYSTEM SOLUTIONS

We provide a total turnkey solution, from the initial site visit, design, manufacture to installation and ongoing maintenance.

Key processes:

-  **Design and specification**
-  **Manufacture**
-  **Commissioning**
-  **Maintenance**

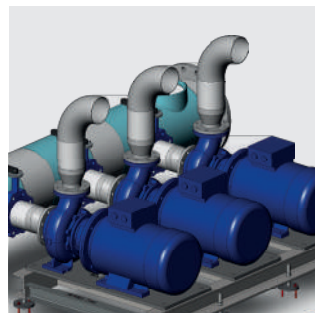
Benefits of Dura Pump systems:

- Resolves persistent issues which reduces downtime
- Increases energy savings; a direct increase to your bottom line
- Fully managed, complete system design and installation
- Less downtime on site, increasing productivity
- Turnkey packages reduce site intervention and installation times
- Accurate specifications increase productivity, system efficiency and profitability



Our system guarantee:

"Dura Pump is the only fluid control specialist that guarantees increased productivity and profitability for our clients through reliable and efficient solutions".



System building 3 key areas...



1. Supplied package systems

1. Supplied package systems

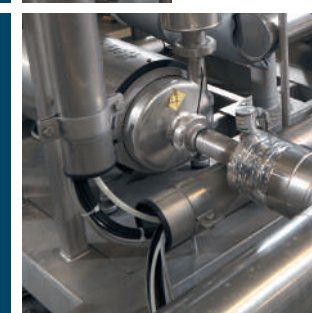
Supplied ready to plug-in and go on site, pre-tested and commissioned in our workshop.

2. Supplied and commissioned

Delivered to site, pre-tested and ready to install.

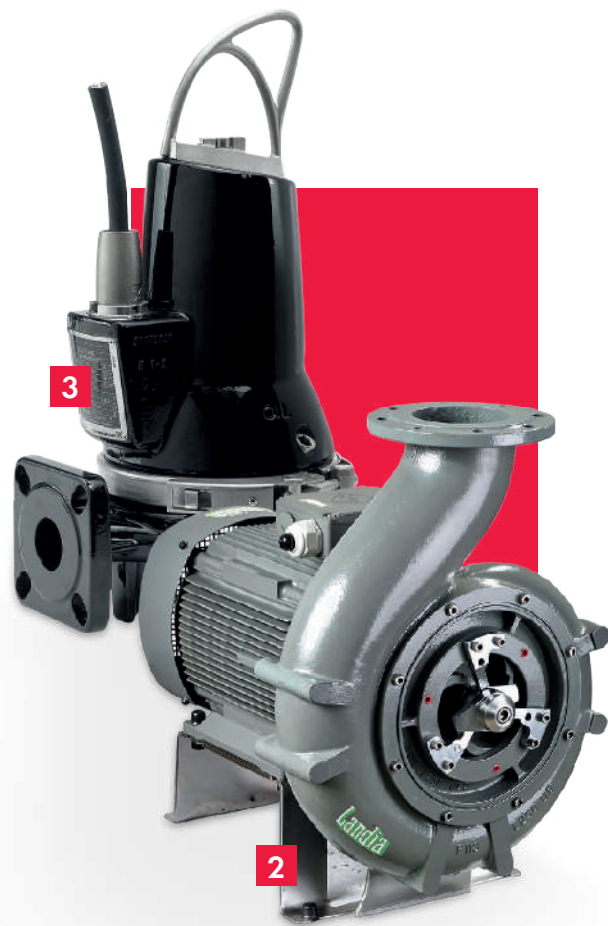
3. Supplied, installed and commissioned

Delivered to site, pre-tested and ready to install and commission by our team of engineers.



Our process from concept to commissioning...

1	Site survey to assess system requirements
2	Design and proposal submitted to client
3	Order is placed with Dura Pump
4	Drawings/final plan submitted to client
5	Client approves drawings/final plan
6	System goes into manufacture
7	Pre-installation site visit to plan installation
8	Installation is scheduled with client
9	Delivery and installation of system
10	Maintenance plan proposed to client
11	Maintenance proposal submitted to client for ongoing system care



SUBMERSIBLE PUMPS

A submersible pump is a self-contained unit with a built-in sealed motor which works when completely submersed in fluid. Submersible pumps are used in a variety of applications including sewage and drainage.

1 Channel Submersible Pumps

These work directly on the pumped liquid with the liquid passing through the impeller itself.

Applications: From sump pumps to flood defences.

2 Grinder Submersible Pumps

Centrifugal pumps with a grinder system at the pump inlet to cut large particles into a homogeneous wastewater mass.

Applications: Sewage, storm and drainage water.

3 Vortex Submersible Pumps

Contains a built-in sealed motor with a vortex impeller which forms a whirlpool when submersed in fluid.

Applications: From sump pumps to flood defences.

4 Sump Pumps

Small submersible pumps, perfect for emptying sump pits, rainwater tanks and emergency drainage of basements.

Applications: Suited for domestic or light commercial use.

We supply, install, upgrade, repair and maintain all types.

KEY BENEFITS

- Can include several channels of varying size ✓
- Free passage of impurities up to a particular size ✓
- Efficiencies as high as 80-85% ✓



CENTRIFUGAL PUMPS

A pump that uses an impeller rotating within a casing to move water or other fluids by using centrifugal force. This is the most commonly found pump for water transfer.

1 Centrifugal Pumps

The most common pump for water transfer, uses an impeller rotating within a casing to move fluids with centrifugal force.

Applications: Recirculation and transfer, heating and cooling.

2 Chiller Pumps

Typically inline or end suction centrifugal pumps for moving water around the chiller system.

Applications: Chiller units, cooling towers or systems.

3 Heating Pumps

Typically inline or end suction centrifugal pumps for moving water around the heating system.

Applications: Even circulation or distribution of heat/hot water.

4 Multistage Pumps

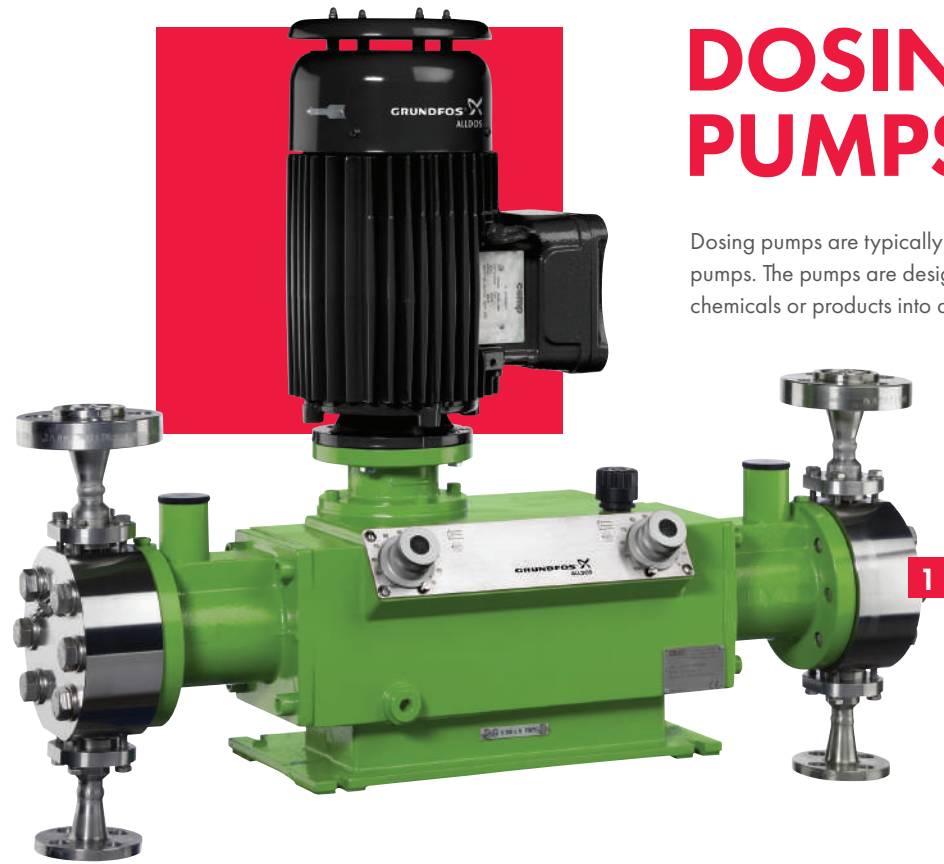
Pumps with different stages pumping the liquid, typically water, through its components, increasing pressure at each stage.

Applications: Flats, offices, manufacturing and other areas where demand for constant pressure and flow is high.

We supply, install, upgrade, repair and maintain all types.

KEY BENEFITS

- Large energy savings can be made ✓
- Simple, robust and reliable ✓
- Can be controlled with variable speed drives ✓



DOSING PUMPS

Dosing pumps are typically small positive displacement pumps. The pumps are designed to pump a set flow rate of chemicals or products into a system.

KEY BENEFITS

- Accurate dosing and batching capability ✓
- No mechanical seal, avoiding leaks ✓
- Easy to use and low-cost repair and maintenance ✓

1 Dosing Pumps

Dosing pumps will deliver a precise flow rate of liquid (chemical or product) by a number of different methods.

Applications: A range of applications from food manufacturing to wastewater treatment.

We supply, install, upgrade, repair and maintain all types.



KEY BENEFITS

- Constant pressure regardless of demand ✓
- Above and below ground installation options ✓
- BMS, SMS and smartphone connectivity ✓

PUMP SYSTEMS

Pump systems contain all the essential parts you need for the complete process. At Dura Pump, we can also design and build pump systems to meet your specific requirements.

1 Booster Sets

Booster sets are the solution to low water pressure. By installing a booster set system, you achieve a constant reliable water pressure.

Applications: Buildings where water storage or more pressure is needed.

2 Interceptors

Interceptors provide an important role in the creation and maintenance of safe, environmentally friendly and efficient water systems.

Applications: Locations with a lot of surface overflow e.g. car parks.

3 Pressurisation Sets

A pressurisation set is a unit designed to pressurise a pump system, most commonly heating pumps or hot and cold water services.

Applications: Maintains heating/cooling systems at the correct pressure.

4 Washdown Systems

High-pressure washing systems used for cleaning with water and/or chemicals and are the solution to low water pressure.

Applications: Industries such as food, pharmaceuticals and abattoirs.

We supply, install, upgrade, repair and maintain all types.



INDUSTRIAL PUMPS

Heavy-duty process pumps built to handle a variety of challenging substances in large quantities, including water, chemicals, petroleum, wastewater, oil, sludge, slurry or food.

1 Barrel Pumps

A barrel pump, commonly known as a piston pump, is typically an air-operated or electrically operated positive displacement pump.

Applications: Transferring materials from barrels, drums or IBC units.

2 Diaphragm Pumps

An air-operated diaphragm pump is a positive displacement pump that typically uses compressed air as its power source.

Applications: Anything from aggressive chemicals to hygienic.

3 Flexible Impeller Pumps

Low in cost and ideal for intermittent transfer applications in the food and beverage industry.

Applications: Ideal for pumping viscous products e.g. jams, milk, creams.

4 Gear Pumps

Gear pumps are a positive displacement pump that move liquid by enclosing a fixed volume using interlocking gears.

Applications: Ideal for low flow rates.

5 Progressive Cavity Pumps

Progressive cavity pumps are positive displacement pumps typically used for pumping thick sludges and waste to shear sensitive products.

Applications: Ideal for metered and non-pulsing flow.

KEY BENEFITS

- Compatible with almost any liquid ✓
- Simple to strip and replace wearing parts ✓
- Hygiene approved options available ✓



WE ARE SUPPLIERS OF..



and many more...



DURAPUMP
PERFORMANCE UNDER PRESSURE

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