



**Heap &
Partners Ltd**



Intelligent Flow Management



Actuators & Accessories
Ball Valves
Butterfly Valves
Control Valves & Regulators
Diaphragm Valves
Check Valves
Lined Valves
Safety Relief Valves
Instrumentation
Control Panels
Strainers

Heap & Partners
design, manufacture
and distribute a
comprehensive range
of valves and ancillary
equipment.

Focussing on the Power, Chemical,
Life Sciences, Oil & Gas, Hydrogen
and Nuclear sectors, we represent
some of the very best flow control
products available and offer
application engineering support
to all our customers providing
them with an unbiased valve and
instrumentation recommendation.

In addition we have our own
Design and R&D departments
enabling us to offer bespoke
design solutions to resolve
specific customer problems.



ValveCloud

Heap & Partners offer a unique service called ValveCloud. Launched in 2022 all our own brand products (Phase range) are laser etched with a unique QR code. Aim your smart phone or tablet camera at the code and it will link you to ValveCloud where you will find all your documentation available to download; test certs, O&Ms, brochures, etc. Never lose your documentation again!



Quality Assurance

We hold the highest quality approval, ISO 9001: 2015 audited and approved by Lloyds Register of Quality Assurance. We also hold PED approval for the manufacture, modification and assembly of valves, and PMI capability.

Manufacturing

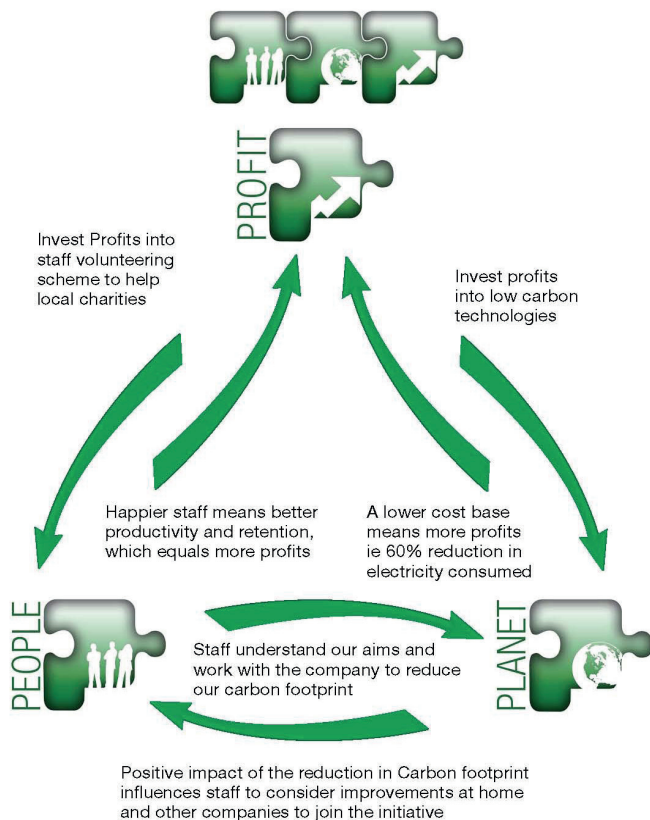
Heap & Partners manufacture our own range of products under the Phase brand name. Phase Trunnion mounted ball valves for the nuclear, oil & gas and subsea markets. Phase Hygienic Diaphragm Valves for the aseptic markets, Phase Sprung Disc Check Valves, Phase Control Panels and Phase Distribution Manifolds. All these are in addition to mounting kits, switch boxes, actuators and spindle extension kits.

Export

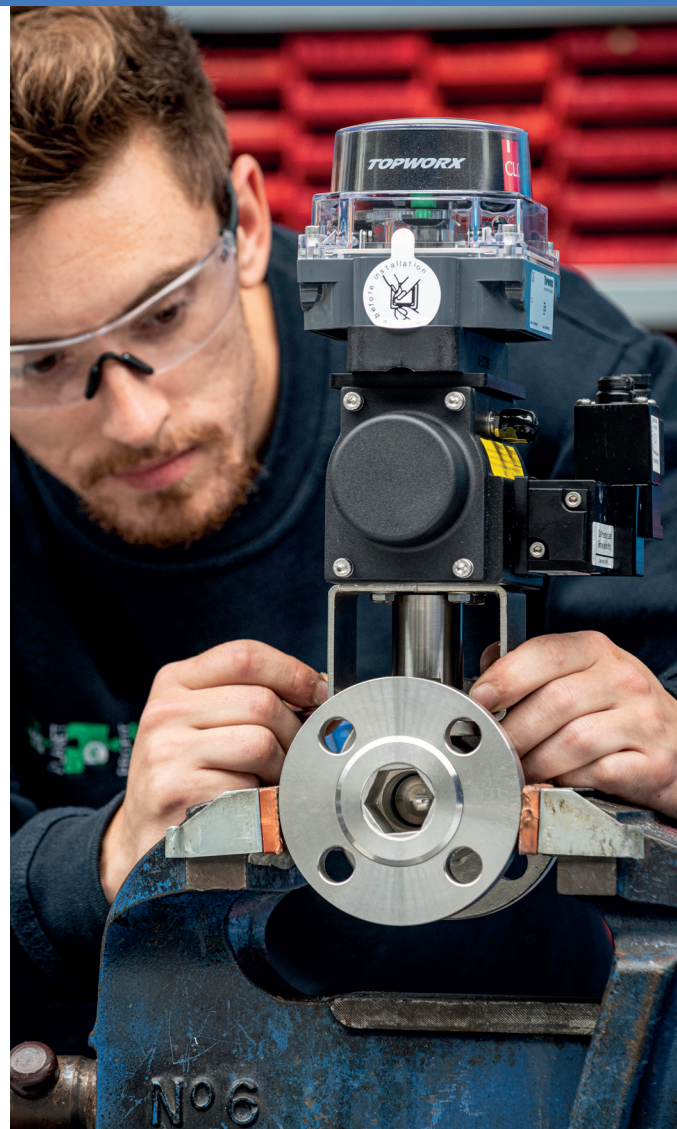
Our Export department has been shipping goods all over the world for more than 150 years. In the last 5 years alone, we have supplied equipment to over 80 different countries.

Associations

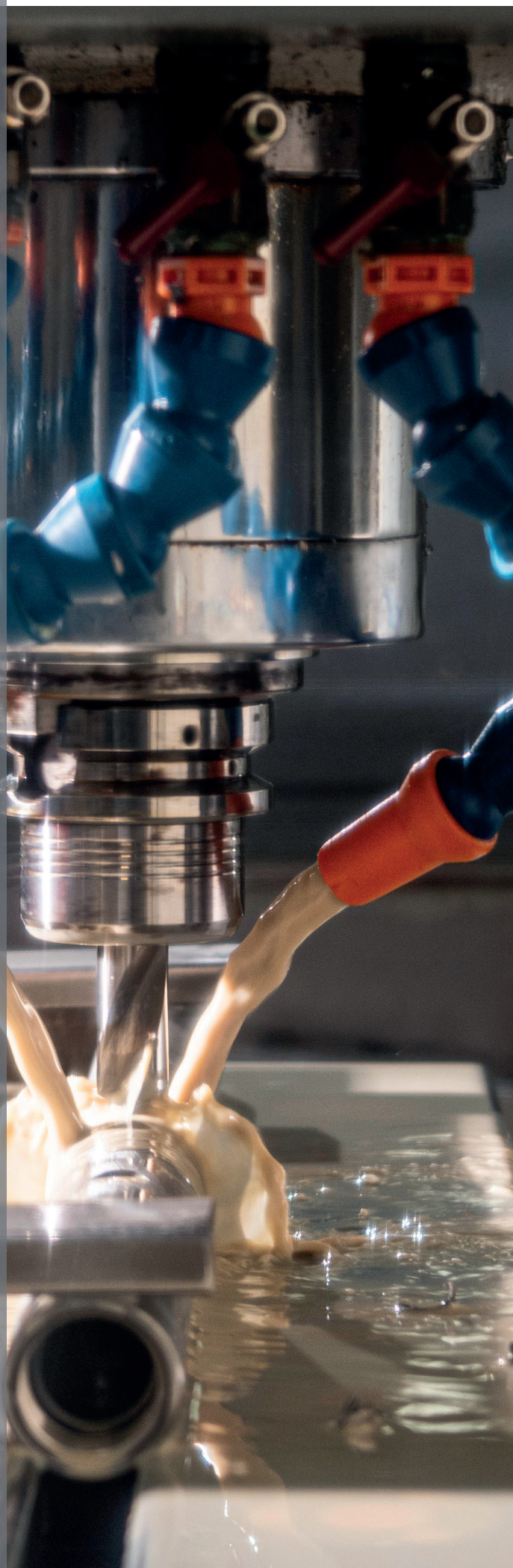
In addition to our LRQA approval, we are also members of the British Valve & Actuator Association (BVAA) and are registered with FPAL and Achilles UVDB.



Our award winning 3Ps program has seen the company halve its carbon footprint and double offset its remaining carbon output through planting over 15,000 trees. Making Heap & Partners surpass carbon neutral and actually become Climate Positive. In addition every member of staff gets 6 days paid volunteering time to help local charities. If they use their time to fundraise, Heaps will match the amount raised.



Heap & Partners are one of the UK's leading suppliers of process valves and ancillary equipment. As the official distributor for the leading manufacturers of fluid control equipment, we provide unrivalled product knowledge to all our customers.



Engineering Services



Experience & Expertise

From our establishment in 1866, we have continually evolved and improved our service to our clients, achieving a high degree of trust and reliability that forms the basis of the long-term relationships we are proud to maintain.

We have built up an enviable track record within the industry, with our current staff having between them a staggering 737 years experience in the fluid handling industry. This unrivalled experience and expertise in supply and ongoing support ensures that we can specify the correct equipment for your process, saving you time and money.



Bespoke solutions when you need them

In addition to being a major distributor, we provide design and consultancy services on flow related issues all over the world. Our Research & Development department provides bespoke solutions, backed up by our extensive in-house manufacturing and testing capabilities.



Set Up & Testing

Set-up and testing services are provided to ensure that when it comes to on-site installation, you are safe in the knowledge that the equipment we have supplied will work in your environment.

Our test facilities can accommodate valve sizes 1/2" up to 24" with pressures from vacuum and low pressure to high pressures of 15,000 psi in our custom-made explosion proof bays with remote monitoring from anywhere in the world. Clients are provided with login credentials giving them remote control of four CCTV cameras that deliver real-time video as well as information from the Data Logger displaying Hydrostatic Pressure, Low Air Test Pressure, Temperature, and Seat Leakage rate.



Documentation

Heap & Partners provide comprehensive documentation to ensure that you get the best performance from your installed equipment. In our experience, clear and detailed instructions minimise the risk of any issues occurring with the installed equipment and saves time should any breakdown occur.



After Sales Service

Heap & Partners rapid response service provides prompt resolution when you need it, keeping plant downtime to an absolute minimum.



Delivery

You can be confident that delivery will be on time to the correct location. With over £2 million of stock encompassing over 500,000 items, we pride ourselves on our ability to deliver on time to any location around the world.

Products and Industry Sectors

	Solenoid Valves	Relief Valves	Plug Valves	Mounting Kits & Spindle Extensions	Instrument Valves, Manifolds & Fittings	Filters/ Strainers	Diaphragm Valves	Control Valves, Intelligent Positioners & Regulators	Control Panels	Check Valves	Butterfly Valves	Ball valves Trunnion & Floating	Actuators, Switchboxes & Positioners
Process													
Acid													
Automatic fire protection													
Chemical													
Chlorine													
Desalination													
Distilling crude tar													
Fertiliser													
High volume assembly plant													
Hot Oil													
Metal manufacturing													
Mineral mining & processing													
Pulp & Paper													
Road tankers													
Water treatment													
Energy													
Hydro Power													
Nuclear Power													
Thermal Power													
Hydrogen													
Production Power													
Oil Refining													
Petrochemical													
Life Sciences													
Pharmaceutical													
Food & Beverage													
Biotechnology													
Sugar production													



Support Services



Stock Management

We provide an on-site stock management service tailored to meet individual customer requirements. Utilising some of the best forecasting software available and analysing a customer's annual usage, we can provide recommendations and streamline stock profiles to ensure their stock levels are effectively and correctly managed. By reducing dead stock and ensuring the correct levels of healthy stock, a client can significantly improve the efficiency of their plant while reducing costs.

Clean Build/Special Preparation

Our clean build and test facilities enable us to offer a range of 'clean built' valves suitable for specialist processes including Hydrogen Peroxide, Chlorine, Fluorine and Oxygen service.

The valves are produced in accordance with customers' and legislative requirements of PED.

Project Management

We can co-ordinate all valve purchases for the entire project and hold the equipment in a dedicated quarantined area, for call-off to site.

Training

Conference room facilities are available at our headquarters in Birkenhead, London office or Teesside facility. We offer training from hands-on valve maintenance, assembly and retesting training through to advanced valve sizing and selection.



Refurbishment


Valve overhaul and upgrade facilities are available either on site or at our workshops. Services include fault finding and diagnosis, instrumentation upgrading, valve strip-down cleaning, re-machining, assembly, retesting, calibration and painting.

Valve Actuation Packages

We can fit a wide range of pneumatic, electric, electro-hydraulic or hydraulic actuators and intelligent positioners (4-20ma, Hart, fieldbus etc.) to any make of valve. H&P can handle sourcing of valves, actuators and instrumentation to our customers' specifications and assemble, fully test and calibrate in our workshops.

Valve Customisation

Our valve customisation service enables us to offer a range of actuated and manual customised valves. We can fit a variety of pneumatic, electric and hydraulic actuators to any make of valve for either on/off or modulating controls duties and can provide customer specific ESD valves. Applications include: Valve safety interlocking, Extended spindles to clear lagging or low temperature applications, Clean build for special processes, Special paint finishes, Special engineering modifications.



In addition to manufacturing our own range of products, called Phase, we also represent the market leading brands of Crane, Saunders, Curtiss Wright, Farris, Phönix, Solent & Pratt, Emerson, Fisher, Baumann, Tescom, KTM/Hindle, Hytork, Keystone, Parker, Balston, Lucifer, Plenty, and many more...

Our Own Range



Phase Ball Valves

- Product Range: Full or reduced bore side entry, soft & metal seated ball valves
Size Range: 50mm - 600mm
Body: Carbon steel, stainless steel, special alloys
Temperature: - 100 Deg C to + 250 Deg C, other applications on request
Ends: Flanged, hubbed, butt weld end
Operation: Lever, gearbox, actuated



Phase Check Valves

- Product Range: Sprung Disc Wafer Check valves
Size range: 15mm - 100mm
Material: Stainless Steel, Duplex, Super Duplex, Hastelloy, Inconel, Special Alloys



Phase Distribution Manifolds / Air Headers

- Supply Connections: 1" threaded BSPP, BSPT, NPT, Welded Flange and Captive Flange
Branch Connections : ¼", & ½" threaded BSPT, NPT or Twin Ferrule options.
Branches: 4, 6, 8, 10, 12, 14 and 16 way distribution
Materials: Stainless Steel



Phase Hygienic Diaphragm Valves

- Product Range: Hygienic weir pattern bodies
Size Range: 8mm to 50mm
Body: Stainless Steel, Hastelloy, Titanium, PVDF and others available upon request.
Diaphragms: Various elastomers and advanced PTFE faced
Surface finish: Range of mechanically polished or electro polished finishes available.
Ends: Tri-clamp, flanged and screwed.
Operation: Handwheel and actuated.
Custom Designs: Bespoke multiport designs available.



Phase / Topworx / Avid Switchboxes

- Product Range: ¼ turn and linear limit switchbox
Enclosure: PPS other materials available subject to manufacturer
Rating: IP66
Features: Multiple switch options, 1,000 hour salt spray tested, internal solenoid, field network cards subject to manufacturer



Phase Linear Actuator

- Operation modes: Double Acting, Spring Open, Spring Closed.
Operating air supply: Rated to maximum 8 BarG (116 psi).
Normal operating pressure: 6 BarG (87 psi).
Available in sizes: DN8 – DN50.
Temperature range: -10° C to + 80° C.
Materials of construction: Acetal enclosure with Stainless steel 316 componentry (316 enclosure option available).
Connections: Namur mount for direct solenoid connection to minimise assembly envelope, 1/8" BSPP ports for direct piping as standard (NPT option available on request).



Phase Control Panels

- Product Range: Design and manufacturing service or control panels
Type: Pneumatic, electrical, hydraulic, electropneumatic, valve control boxes, ESD systems
Design: In-house, customer specific



Saunders Industrial Diaphragm Valves

Product Range:	'A' type weir pattern and 'KB' straight through pattern
Size Range:	8mm - 350mm
Body:	Cast iron, SG iron, cast steel, stainless steel, copper alloys
Linings:	Natural, butyl, hard ebonite & polychloroprene rubber, glass, polypropylene, ETFE, PFA, PTFE
Diaphragm:	Various elastomers and advanced PTFE faced
Ends:	Flanged, screwed
Operation:	Handwheel, actuated



Saunders HC4 Diaphragm Valves & Bio Blocks

Product Range:	'HC4' type hygienic standard and customised designs
Size Range:	8mm - 150mm
Body:	Stainless steel 316L, special alloys (on request)
Diaphragm:	Various elastomers and advanced PTFE faced (FDA complaint and fully traceable)
Surface Finish:	Range of mechanical polished and electropolished Surface
End:	Weld, triclamp, mechanical



Farris Safety Relief Valves

Product Range:	Spring-loaded and Pilot-operated safety relief valves
Size Range:	25mm - 500mm
Body:	Carbon steel, stainless steel, special alloys
Ends:	Flanged, screwed, socket weld, butt weld, triclamp
Applications:	Chemical, petrochemical, oil & gas, pharmaceutical, food & beverage



Fisher Globe & Rotary Control Valves

Product Range:	Two and three way control valves
Size Range:	15mm - 300mm
Body:	Carbon steel, stainless steel, low carbon steel, special alloys (on request)
Trim:	Contoured, anti-cavitation, low noise
Ends:	Flanged, screwed
Operation:	Pneumatic & electric actuated Instrumentation: Intelligent positioners, regulators, solenoid valves



Fisher Regulators

67C Series:	Instrument Supply Regulators
MR95 Series:	Pressure Regulators
MR98 Series:	Backpressure Regulators, Relief, and Differential Relief Valves
T205 & T208 Series:	Tank Blanketing Regulators
Type ACE95:	Vapor Saver Tank Blanketing Valves



Fisher Digital Valve Controllers / Positioners

DVC2000 Area Class :	Intrinsically Safe, Non-incendive for CSA and FM
DVC6200 Area Class:	Explosion Proof, Intrinsically Safe, FISCO, Type N, Flame Proof, Non-incendive for FM
Comms Protocol:	4-20 mA HART
Diagnostics:	Yes
Position Control:	Throttling Control, On/Off
Process Control:	Flow, Pressure, Temperature, Level
Supply Media:	Air, Natural Gas, Nitrogen



KTM/Hindle Ball Valves

Product Range:	Full and reduced bore antistatic, firesafe design
Size Range:	15mm - 400mm
Body:	Carbon steel, stainless steel, special alloys (on request)
Seats:	Virgin, glass filled and carbon filled PTFE, Peek
Ends:	Flanged
Operation:	Lever, gearbox, actuated



Keystone / Hobbs / Crane Butterfly Valves

Product Range:	Resilient seated, high performance and triple offset designs
Size Range:	40mm - 1200mm
Body:	Cast iron, SG iron, carbon steel, stainless steel, aluminium bronze
Disc:	Stainless steel, carbon steel, nylon coated, PTFE, Hastelloy
Seats:	EPDM, nitrile, viton, PTFE, metal
Ends:	Wafer, fully lugged, double flanged
Operation:	Lever, gearbox, actuated



Keystone / Hytork Actuators

Product Range:	Rack and pinion type pneumatic actuator
Material:	Aluminium alloy, two pack epoxy finish
Operation:	Double acting, spring return
Ancillaries:	Switchbox, positioner, solenoid, gearbox override



Kinetrol Actuators

Product Range:	Vane type pneumatic actuator
Material:	Zinc alloy, stove enamel finish
Operation:	Double acting, spring return, electrohydraulic
Ancillaries:	Switchbox, positioner, solenoid, gearbox override



Parker/Lucifer Solenoids

Product Range:	2, 3 and 4 way, direct pipe mount and namur
Material:	Stainless steel, brass, aluminium, synthetic
Classification:	Cenelec and Atex hazardous areas Eex ia, Eex d, Eex m



Parker Instrumentation Valves

Product Range:	Ball, needle, check, relief, in-line filters
Size range:	1/8" - 2" (imperial), 3mm - 25mm (metric)
Material:	Stainless steel, special alloys (on request)



Parker Instrumentation Fittings

Product Range:	Imperial and metric A-Lok and CPI fittings
Size range:	1/16" - 2" (imperial), 3mm - 25mm (metric)
Material:	Stainless steel, special alloys (on request)



Instrumentation Tube

Product Range:	Imperial and metric tube
Size range:	1/16" - 2" (imperial), 3mm - 25mm (metric)
Material:	Copper, nylon, stainless steel, special alloys (on request)



Parker Manifolds

Product Range:	2, 3 and 5 way manifolds
Size range:	1/8" - 2" (imperial), 3mm - 25mm (metric)
Material:	Stainless steel, special alloys (on request)



Parker Flanged Product

Product Range:	Double Block & Bleed
Size range:	1/2" - 2" (imperial), 15mm - 50mm (metric)
Material:	Stainless steel, special alloys (on request)



Parker/Balston Filtration

Product Range:	Filter housings and elements
Size range:	1/8" - 2" (imperial only)
Material:	Stainless steel, various plastics, teflon



Parker/Balston Nitrogen Generators

Principal:	Production of nitrogen at very high concentrations from existing compressed air supply using membrane technology.
Applications:	Purpose built machines for tyre inflation (truck & car). Units for bulk production of nitrogen for applications requiring large volumes ie. Tank blanketing and modified air packaging.



Plenty Filters / Strainers

Product Range:	Simplex, duplex, self cleaning, back flushing
Size Range:	25mm - 900mm
Body:	Cast iron, carbon steel, stainless steel
Ends:	Flanged, screwed
Filtration:	1 - 3000 micron



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