



**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

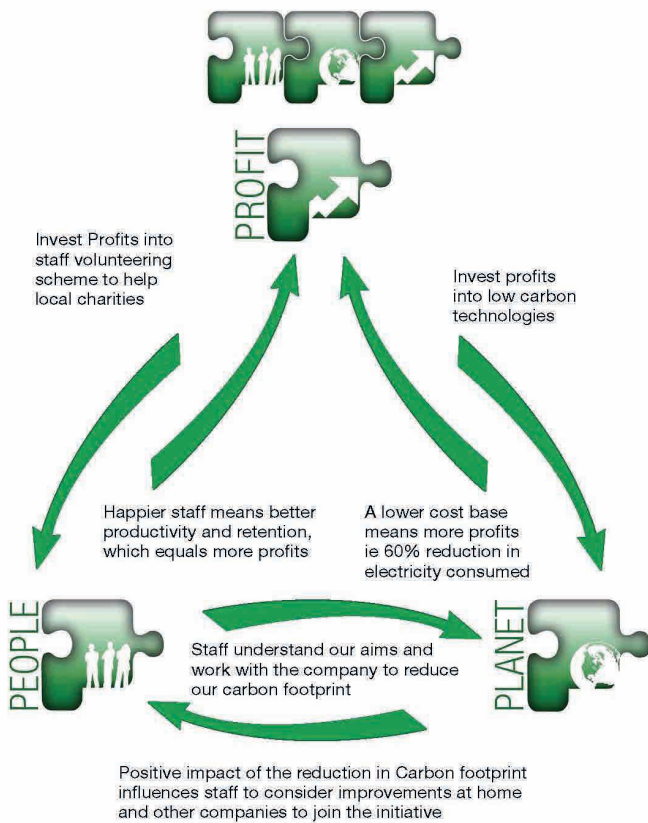
Heap & Partners manufacturer our own range of products under the Phase brand name. Phase Trunnion mounted ball valves for the nuclear, oil & gas and subsea markets. Phase Hygienic Diaphragm Valves for the aseptic markets, Phase Sprung Disc Check Valves, Phase Control Panels and Phase Distribution Manifolds.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

Export

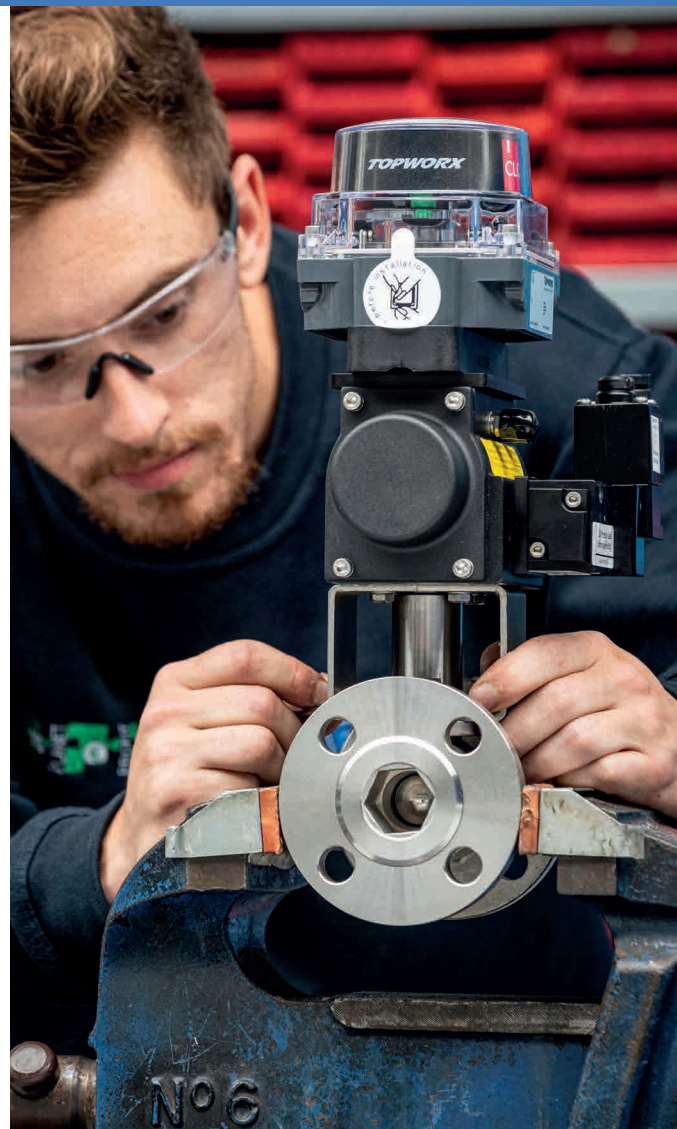
Our Export department has been shipping goods all over the world for more than 150 years. In the last 5 years alone, we have supplied equipment to over 80 different countries.

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.



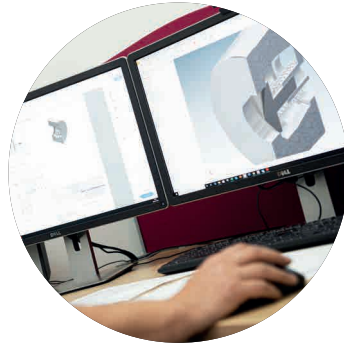
Engineering Services



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.



Heaps 24/7

From our website you can access Heaps 24/7 to check the status of all orders and place new orders for a wide range of items available on next day delivery.

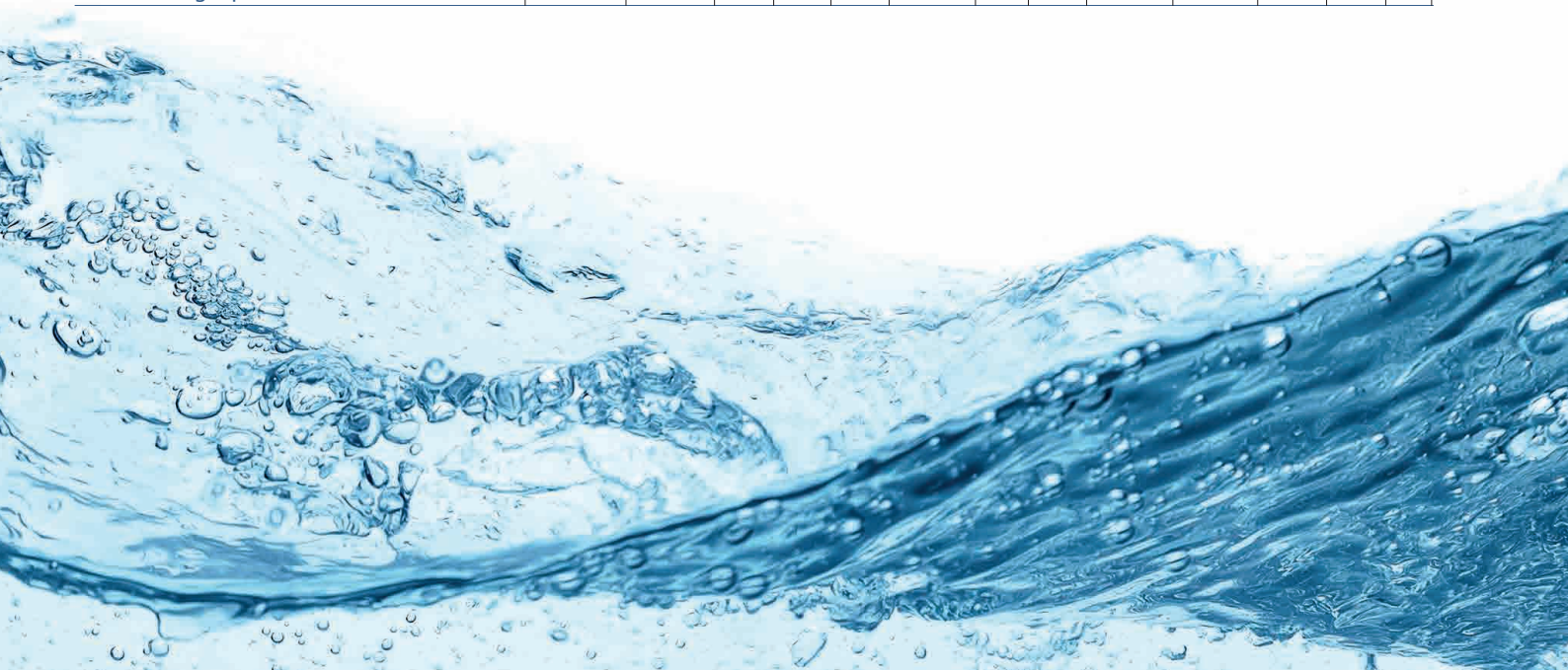


Delivery

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

	Actuators, Switchboxes & Positioners	Ball valves Trunnion & Floating	Butterfly Valves	Check Valves	Control Panels	Control Valves, Intelligent Positioners & Regulators	Diaphragm Valves	Filters/ Strainers	Instrument Valves, Manifolds & Fittings	Mounting Kits & Spindle Extensions	Plug Valves	Relief Valves	Solenoid Valves
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...



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



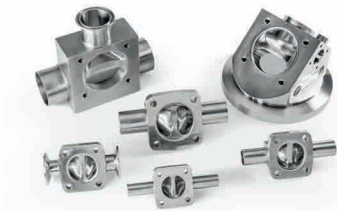
Phase Check Valves

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: 1/4", & 1/2" 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: 1/4 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 / Stainers

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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