

Heaton VALVES AFRICA

www.heatonvalves.co.za





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Heaton Valves Africa (HVA) was established in 1992 as an independent local company in South Africa. The core purpose of Heaton Valves Africa (HVA) is to provide a firstclass valve and associated equipment stock holding, distribution and project management service to the oil, petrochemical, process, mining and general industries. Since inception, this privately owned company, with its shareholders playing an active role as directors, has withstood the challenges faced from conglomerate-owned competitors and has grown from strength to strength. The Head Office in Gauteng was upgraded and moved in 2001 to its' current location in Hughes-Jet Park. The Kwa-Zulu Natal (KZN) Office was opened in Durban in 1998 and is ideally situated to service the coastal and Midlands areas. 2003 saw the establishment of the Cape office so that the coastal facilities could provide a fast and essential service to locally based distributors, EPC's and end users requiring prompt response and supply. In 2013 both the KZN and Cape facilities were moved to larger purchased premises in order to hold a wider range of movable stock on hand and to enable better operational, quality control and project management capabilities.

HVA enjoys an exclusive list of sole representation agreements with many of the world's leading valve, steam reticulation, overpressure, tank protection, combustion and pipeline equipment manufacturers. These exclusive agencies and their accompanying technological capabilities are managed and supported by highly qualified and experienced personnel in three separate, independently managed but intricately linked, company divisions. These are the Petrochem, Process and Engineered Products Divisions. The Engineered Products Division now includes one sub-division, Combustion.

HVA has always strived to achieve close inter-company working relationships with each of its' manufacturing and technology principals. The acquisition of the sole Velan,

Langley and OMB agencies between 1998 and 2001 added immense depth to the Petrochem Division's product offering of gate, globe, check and ball valves in all forged and cast steel materials from size 1/2" to 48" bore sizes, up to over 2500# pressure class. These include valves ranging from hot to cryogenic temperature services in a variety of Stainless Steel, Chromalloy, Duplex and Monel materials with varying internal trim options to include severe and HF Acid service on both Phillips and UOP licensed plants.

In 2000, HVA's Process Division obtained the sole local distribution for TLV Steam equipment as well as Leser DIN specification Safety Relief Valves. In 2004, the famous Tomoe range of resilient seated manual and actuated butterfly valves was a welcome addition to the Process Division's product range, which is now complete with the stocking of Zetkama DIN specification globe valves and Y-strainers in 2015.

Schuf Valve Technology, realising HVA was a force to be reckoned with in the African valve market since entrenching and expanding their business, awarded HVA sole access to their bespoke engineered valves in 2004. Many prestigious and specialised valve projects have been carried out between Schuf Valve Technology and HVA for end users from Cape Town to Qatar. The addition of Protego flame arrestors and low-pressure tank equipment manufactured in Germany, to complement Leser range of API safety relief, changeover and pilot operated valves, gave rise to the creation of HVA's Engineered Products Division. A complete suite of over pressure products has now been rounded off by the addition of Continental bursting discs from CDC in Missouri-USA. This Engineered Products Division was now clearly capable to service clients requiring specific solutions and product selections not catered for by commodity type equipment in the plant shut down or project environment. High performance, small to large bore, manual

or actuated triple eccentric and API 6D pipeline quarter turn valve packages are also covered within this highly technical division. Moreover, since 2014 the 'Proudly South African' Titan severe service ball valve for on-off or modulating control in extreme and highly corrosive environments has been very successfully supplied via HVA to industrial wax, mining, petrochemical, pulp and paper plants. HVA, now also a household name in flame arrestor sizing and selection to international standards such as API, is expanding throughout the combustion engineering sector and exclusively represents the prestigious Zeeco Corporation based in Oklahoma – USA, with a European facility in Stamford – UK. Zeeco offers a highly technical range of flares, burners, thermal oxidisers and incinerators, as well as a full range of spares, technical support, maintenance and project engineering services for all types of end-users.

HVA proudly boasts Sasol, Amec-Foster Wheeler, Fluor, Lurgi, Bosch Projects, Hatch, Technip, Sasol Technology, Natref, Thyssenkrupp Udhe, Engen, Sapref (Shell & BP), Vopak, Megchem, PDPS, Royal Haskoning Dordtse Engineering, Eskom, Chevron, Lesedi, Linde, Total, Anglo Gold Ashanti, Impala Platinum, Continental Tyres, ITA Grinaker, Avenge, Air Products, Petro SA, Sappi, Mondi, Arcelor Mittal, Sumitomo Rubber, Illovo Sugar, Transnet, Omnia, Air Liquide, Worley Parsons, Kantey & Templer, VGI, Kentz, SNC Lavalin, Ilitha-Jacobs, KBR, SPX DB Thermal, BASF, Alstom, Sasol Limitada-Mozambique, Proconics, and Group Five amongst its clientele on the African continent.

HVA is ISO 9001 accredited. All products supplied by the company go through rigid quality control procedures.

HEATON VALVES AFRICA BOASTS THREE DISTINCTIVE DIVISIONS WITHIN THEIR BUSINESS STRUCTURE: PETROCHEM, PROCESS, AND ENGINEERED PRODUCTS. EACH OF THESE SPECIALIST INTER-COMPANY ENTITIES IS ABLE TO TAILOR AND FURTHER ENHANCE THE SUPPLY, SUPPORT AND MAINTENANCE SOLUTIONS TO THEIR CLIENTS BOTH ON AND OFF THE GROUND.

PETROCHEM DIVISION

The Petrochem Division at Heaton Valves Africa offers a large stock-holding and has international exclusive distribution partner capabilities with leading valve brands such as Velan, Kitz, Langley, OMB and HV for API designed gate, globe, check and ball valves. Various carbon, stainless and alloy steel materials, with a variety of trim and end connection options are available for various pressure classes, piping sizes (1/2" – 48") and service conditions.

Heaton Valves Africa is the exclusive distributor of Langley stainless steel and Nickel Alloy gate, globe and check valves designed to API 603 and API 600. Langley has become a leader in down-stream cryogenic and cold service, hot service and up-stream offshore special alloy valve supply.

For product-in-transit pipeline service, Heaton Valves Africa's Petrochem Division offers a comprehensive range of 3Z double block and bleed valves as well as API 6D trunnion mounted ball valves in various pressure classes and sizes (2" – 48") for the product storage and pipeline service industries.

VELAN www.velan.com

With over 50 years of experience in manufacturing API specification valves, this industry leading, Canadian listed manufacturer has chosen Heaton Valves Africa as its sole partner in Southern Africa for API 600, API 603 and UOP licensed HF Acid Service valves. A significant stock holding of carbon, stainless and alloy steel gate, globe, swing type and dual plate wafer type check valves as well as Memoryseal® ball valves are held at Heaton Valves Africa's three facilities in Jet Park (Gauteng), Durban and Cape Town.

All standard Velan gate, globe, check and ball valves are quality tested for compliance with EPA fugitive emission regulations, ensuring present and future fugitive emission law compliance.

Velan gate, globe and swing check valves with ground and lapped seal

welded seat rings are 100% weld quality tested and faced with Stellite 6 as standard. API Trim No 5 (Full Stellite) and other trim options as per API specifications are also available. Velan pressure seal bonnet valves for high pressure applications are also available exclusively from Heaton Valves Africa.



OMB www.ombvalves.com

OMB is a globally recognized manufacturer of forged steel valves with its industry leading production capacity and technological capabilities. Heaton Valves Africa is OMB's official South African agent, and has the largest local stock holding of OMB commodity gate, globe and check valves in both forged and stainless steel. End connections include flanged, socket weld, butt-weld, screwed, screwed by butt weld and screwed by

socket weld in sizes 15mm to 50mm and pressure classes 150# – 2500#. Shell Approved MESC and NACE specification valves are also held in

stock by Heaton Valves Africa, as manufactured by OMB as an official global supplier to Shell.



HV

www.heatonvalves.co.za

HV Brand valves remain manufactured to the API and ASME range of standards with the pressure and temperature ranges defined within ANSI B16.34. Heaton Valves Africa has performed independent audits at the facilities utilized in the production of HV brand valves for the Southern African market.

The HV range of gate, globe, check and ball valves are produced to meet the demanding needs and high specification requirements of the petrochemical industry.



The valves are certified to EN10204 3.1 and exclusively stocked by Heaton Valves Africa. Sizes range from 50mm to 900mm in flanged and butt-welds ends in a wide range of materials and pressure classes.

The HV Brand valves that are currently supplied by Heaton Valves Africa are manufactured in accordance with the European Directive 97/23/EC and Pressure Equipment Directives (PED). They can also be supplied to meet emission requirements of less than 100ppm.

LANGLEY

www.yps-valves.co.uk

Langley (YPS-Langley Valves UK) produces high quality corrosion resistant valves for the oil, chemical and petrochemical industries. They are manufactured strictly in accordance with API600, API603 and API602 specifications. Heaton Valves Africa, as Langley's sole African agent, has a comprehensive range of stainless steel CF8 and CF8M standard bonnet gate, globe and check valves. Langley also manufactures an extensive range of exotic high nickel alloy gate, globe, swing and dual plate check valves. Grades of material include Duplex, Monel, hastelloy and many more. Heaton Valves Africa holds Africa's widest range of Cast CF8 stainless steel extended bonnet valves for minus 195 °C cryogenic service.



YPS **LANGLEY**
VALVES



KITZ

www.kitzeurope.com

KITZ Corporation is Japan's largest manufacturer of industrial valves. Kitz stainless, carbon and high alloy steel gate, globe, check, flanged and screwed ball valves are widely utilized in chemical, petrochemical, food and beverage, pulp and paper, pharmaceutical and other industrial processing plants throughout the world. Kitz stainless and high alloy steel valves are designed, manufactured and inspected to strictly conform with the requirements of ASTM, ASME, API, BS, JIS and other internationally recognized standards, with all quality elements meeting the critical service conditions needed for corrosive industrial applications.

KITZ stainless and high alloy steel valves are characterized by unsurpassed corrosion resistant service and reliability which provides users with the lowest cost of ownership and the longest total life cycle performance in the industry. As an ISO 9001 certified valve manufacturer, Kitz Corporation has achieved a high degree of product standardization by the ideal combination of its updated technical know-how and uniquely integrated system of production adopted at its Nagasaki Plant, Yamanashi, Japan which is also home of Kitz stainless and high alloy steel valves. Electronically controlled steel foundries, multi-stationed transfer machining systems and state-of-the-art test and inspection facilities are all put together at Kitz Nagasaki Plant, to ensure the quality and reliability of all products released into global markets. Kitz valves are available from Heaton Valves Africa.

PETROCHEM DIVISION



3Z VALVES

www.3zvalve.com

Heaton Valves Africa is an exclusive representative and distributor for the complete range of 3Z double block and bleed valves. The 3Z API6D double block and bleed valve specifications developed for pump or metering stations, tank farms, marine loading docks and blending plants, provides bubble tight shut off capabilities whilst allowing the user the ability to verify the integrity of the seals. With valve selection being critical in the petroleum industry, an incorrectly specified valve may lead to loss of income, product contamination and an increase in maintenance costs. Both upstream and downstream sealing and in-line repair possibilities make these valves the ideal choice for most custody transfer applications. 3Z's comprehensive range of sleeved and lubricated plug valves is also available from Heaton Valves Africa.

OMB – BALL VALVES

www.ombvalves.com

Building on the international reputation OMB has in the forged steel valve industry, this family owned company has created one of the world's leading ball valve ranges. The range includes full bore and reduced bore, trunnion mounted, floating ball, side entry, top entry, fully welded, cryogenic, metal and soft seated, API 6A / 6D, sub-sea and modular construction ball valves. These can be supplied in various materials and pressure class specifications complete with heating jackets and actuation, amongst other accessories. All OMB ball valves adhere to BS 5351 / 6755, and API 607 / 598 as minimum standards, and are supplied with full certification. With sizes from 1/2" through to 60", and pressure classes up to 2500#. OMB ball valves are thus suitable for most applications, no matter how severe.



PROCESS DIVISION

The Process Division at Heaton Valves Africa offers the world-leading TLV range of steam traps, pressure-reducing valves, mechanical pumps, air vents and traps, check valves, sight glasses, Y-strainers and patented steam-auditing equipment from Japan. These products are stocked at HVA's three nationwide warehouses, where product specialists are able to accurately consult on plant and steam-system product applications and solutions.

In addition, a comprehensive range of safety and relief valves from LESER in Germany are stocked, sized and selected by HVA's qualified personnel, all using industry leading software. HVA's approved technicians certify and set LESER valves at HVA's in-house setting and testing facility.

The Process Division also stocks and distributes a wide range of Tomoe resilient seated butterfly, KDV knife gate and Ever cast-iron gate, globe and check valves in sizes 50mm and above, as well as bronze, stainless and forged steel gate, globe check and ball valves in smaller sizes.

TLV www.tlv.com

Heaton Valves Africa is the sole partner of TLV in Southern Africa. TLV produces dependable, long lasting steam traps with strict adherence to its two fundamental policies – quality first and incomparable originality second. TLV has expanded its product line and services to become a steam specialist company and a recognized leader in the steam engineering field. TLV's benchmark products, the J3X (TLV's unique free float steam trap), the QuickTrap F46 connector unit with a free float, thermodynamic or thermostatic steam trap unit and the P46SRN thermodynamic steam trap along with others in the comprehensive range are available through HVA.

TLV's patented Lloyd's approved steam trap testing computer, Trapman, is used extensively by HVA to perform steam trap surveys, and provides the only quantifiable steam loss result reports worldwide. Also available are pressure/temperature controls, air and gas traps, separators/filters, valves, air vents, measurement instruments, condensate recovery systems, Y-strainers, sight glasses, trap stations and steam and condensate manifolds.



LESER www.leser.com

Heaton Valves Africa, as the sole agency holder for LESER in Africa, has at its disposal the latest LESER product range, safety valve sizing and system design technology. Stock holding comprises a complete range of safety relief valves from 15mm through 300mm. Materials include cast iron, cast steel, chrome and stainless steel. Connections cover NPT and BSP screwed, DIN and ANSI flange standards. Both DIN and API specification safety relief valves are available set and tagged, complete with all necessary certification, within hours of order placement. A replica of the standard safety valve test rig as used at LESER's test facility in Hohenwestedt, Germany, is situated in HVA's workshop at HVA's Head Office. This ensures the quality standards demanded by LESER are maintained.

PROCESS DIVISION

TOMOE

www.tomoeurope.co.uk

Since 1953, Tomoe has designed and developed a high quality and technically advanced range of butterfly valves and actuators. Tomoe has a reputation for manufacturing a superior range of butterfly valves, actuators and control systems that are supported by top quality service and delivery.

Tomoe continues to offer unparalleled levels of leak tightness, valve longevity and wear resistance. All Tomoe components are manufactured and assembled to internationally recognized standards. Tomoe valves can be

found in operation in a vast range of industries worldwide, making a valuable contribution to overall process efficiency. Tomoe prides itself on taking the lead, and are constantly improving on technology with their market leading product development programs.

Tomoe continues to be a company at the forefront of product development, both in utilizing the latest materials of construction while sustaining consistently high levels of product performance. Tomoe products, including the Tritec range of high performance and Double Block & Bleed process valves are designed to deliver positive shut-off in the harsh and critical environments found in oil and gas,

petrochemical, power and process markets. All are available through HVA, including Tomoe's excellent range of lightweight aluminum butterfly valves, which are perfectly suited to applications requiring lighter weight and corrosion resistance. HVA carries a comprehensive stock of EPDM and PFA lined Tomoe butterfly valves with lever, gearbox, and pneumatic actuation options.



TOMOE

ZETKAMA

www.zetkama.com

ZETKAMA was established in 1946 as a manufacturer of industrial valves in Poland. The ZETKAMA range, Figure 215 globe valves, Figure 234 bellow seal globe valves, Figure 287 lift check valves and Figure 821 strainers are available from size 15mm to 300mm nominal bore in either grey cast iron, nodular cast iron or cast steel body material all with stainless steel trim as standard with DIN flanged ends to PN16, PN25 or PN40 dependent on material selection. All products are suitable for use on steam, air, gas and water applications; they would also comply to the pressure equipment directive 97/23/EC with CE marking for DN32 and above.



VELAN POWER GENERATION

www.velan.com

Velan has been the leader in providing uncompromising valve solutions to the power industry for the past 50 years with the performance of Velan's pressure seal and bolted bonnet gate, globe and check valves being legendary. These valves are installed in demanding, high pressure / temperature applications around the world for a variety of services. This includes: main steam, reheat, feed-water, catalytic reforming, as well as other tough applications in power, refining, petrochemical, marine and process industries. From service water to main steam isolation, Velan has supplied high quality / value products that have set the standard of excellence for the market. Velan's comprehensive range stocked at HVA includes oblique pattern, forged steel globe valves and metal seated ball valves.



VELAN

BARTON FIRTOP

www.bartonfirtop.co.uk

Barton Firtop is a competitive designer, manufacturer and supplier of strainers, filters, separators and coalescers, predominantly for the Oil & Gas Industry (Certified ISO 9001:2000). Experts in project design and project management, focused to achieve on-time delivery of strainer and filtration equipment to meet complex project specifications for materials, manufacture, NDE, documentation and Quality Control. 3D Modelling, FEA & CFD are utilised and validated by an in-house flow test rig. Heaton Valves Africa thus has access to one of the largest worldwide stock holdings of strainers & filters at Barton Firtop. Barton Firtop and Heaton Valves Africa are able provide competitive technical solutions for all your filtration requirements.



ENGINEERED PRODUCTS DIVISION

The Engineered Products Division at Heaton Valves Africa supplies specialist valve solutions to various plants and end-users from the SchuF Group of companies. These are actuated and mechanical ram type, Y-globe, sampling and change over valves for dead-space free and specialist applications at refineries, chemical plants and mines.

A comprehensive range of tank protection equipment, API safety relief valves and flame arrestors from Protego and Leser in Germany, are sized and selected for the customer by our qualified personnel using industry leading software.

Other specialized valve consulting and supply services offered by the technically competent Engineered Products Division include Velan delayed coking, nuclear and high-pressure valves for the power industry.

Also acquired, is the exclusive Zeeco agency, offering a full range of flares, burners and incinerators as well as consulting, support, spares and maintenance services to the combustion sector of industry.

LESER API VALVES

www.leser.com

As the sole official agency holder for Leser in sub-Saharan Africa, Heaton Valves Africa has at its disposal the latest Leser safety valve sizing and system design technology. Stockholding comprises a complete range of API 520 / 526 / 527 specification safety relief valves. Materials held include cast steel WCB, WC6, and stainless steel. Connections cover NPT and BSP screwed and ANSI flange standards (150# through 600#).

Also included in the Leser range is a comprehensive offering of bespoke safety relief valve specific changeover valves. Pilot operated safety relief valves are also included in the Leser range.

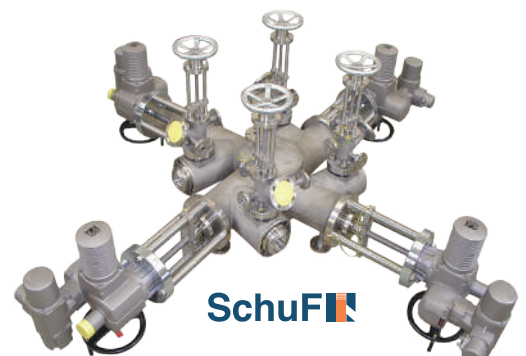


SCHUF

www.schuF.com

Family-owned business, SchuF founded in 1911, and now a global leading manufacturer of custom-made valves, is available through Heaton Valves Africa. Working with petrochemical, chemical, fibre pharmaceutical and other process industries worldwide, SchuF uses innovation and technology to supply the most advanced valve solutions. Designed around the principle of minimum dead

space, these valves find uses in almost any industry. From simple sampling valves, through spray-rinse reactor cleaning valves, to gasification and liquefaction valves, SchuF can provide a solution to any application. SchuF also offer a range of line blind, bottom outlet, sampling, control, spray rinse, in tank shut off and automatic recirculation valves.



ENGINEERED PRODUCTS DIVISION

T.D. WILLIAMSON – PIPELINE SOLUTIONS

www.tdwilliamson.com

TDW provides hot tapping services and equipment that enable pipeline owners and operators to safely, efficiently, and cost effectively perform pipeline modification and repair activities without shutdown and with minimal disruption to product flow. In addition to saving pipeline owners and operators time and money by eliminating the need to blow down miles of line in between valves, line isolation plays an integral role in performing a variety of both planned and unplanned activities, including routine maintenance, new construction, expansions, and emergency interventions.

TDW designs and manufactures high-performance valves that improve safety and efficiency when conducting tapping and isolation operations on in-service pipelines, tanks, and storage vessels. Developed through more than 95 years of experience in the pipeline industry, high-pressure fittings from TDW are furnished with patented features that can help operators safely and efficiently repair and maintain high-pressure lines without shutdown or interruption of service. Repairing defects, dents, gouges, corrosion, and leaks in pipelines can be a costly and resource-intensive task. For more

than 60 years, TDW has worked to make that task less costly and more efficient by offering a range of repair and reinforcement products that are capable of permanently restoring pipelines to their maximum operating pressure without having to replace the entire section. In-service pipeline welding requires a great deal of knowledge, experience, and expertise to be completed safely and cost-effectively. Improper execution of welding can present any number of risks – from burn-through to hydrogen cracking to material degradation – that can compromise the integrity of the pipeline, as well as the safety of the people and environment around it.

TDW manufactures one of the industry's widest ranges of purpose-built pigs. This vast inventory includes cleaning, batching, gauging, liquids displacement, and specialty pigs, available in multiple diameters and designed to meet specific pipeline and product demands. Customization and configuration options ensure tailored solutions for even the most complex pipeline conditions. Pig passage indicators – commonly referred to as PIG-SIGs, a term TDW originated more than 60 years ago – accurately detect pigs, spheres,

scrapers, and other tools as they pass distinct points along the pipeline. A well-planned, regular pigging regimen can help operators prolong the life of their pipelines, save money, maintain product flow, and minimize product sediment. TDW has more than seven decades of experience designing, manufacturing, and using pigging products, and our experienced technicians will work with operators to select the right pigs – and the right pigging program – for their pipeline and product. With more than 800,000 kilometers of in line inspection (ILI) completed, TDW has the experience and expertise to help pipeline owners and operators achieve system integrity and reliability, resulting in an extension of the asset life cycle.

Our dedicated personnel – powered by knowledge and focused on mitigating risk – partner with you to meet rigorous safety, regulatory, operational, and corporate demands.

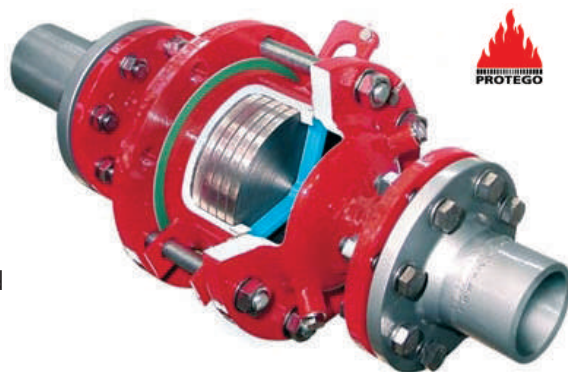


PROTEGO

www.protego.com

A new generation of improved Protego safety devices including flame arresting equipment and pressure / vacuum relief valves have been developed while keeping in line with all the latest industry and government regulations and requirements regarding safety and environmental protection for plants which process, store or transport flammable liquids, combustible or volatile products and vapours.

Protego products are developed and tested at their own test facility in Braunschweig, Germany. This facility allows actual tests to be performed verifying actual flow capacities and operation, without having to rely on theoretical performance calculations. All standards applicable in the South African and international market are catered for by Protego's comprehensive list of approvals and certifications.



EVERLASTING VALVE COMPANY

www.everlastingvalveusa.com

As exclusive agent and distributor of American iconic brand, Everlasting Valves Company, with their leading range of industrial valves, Heaton Valves Africa has now further increased their portfolio in partnering with Everlasting Valve Company's century-old reputation for manufacturing and testing quality products in an ISO 9001 certified facility.

In 1906, Everlasting Valve Company was formed by Patterson Allen Engineering, Patterson, New Jersey to manufacture and market steam boiler blow down valves for steam locomotives, ships and the US Navy. As these modes of transportation faded, package boilers for industry and space heating emerged with Everlasting becoming the standard for the package boiler industry. The company incorporated the unique features of flat rotating self lapping sealing surfaces and self cleaning open body into their Process Valves, Bulk Material Valves and Diverters.

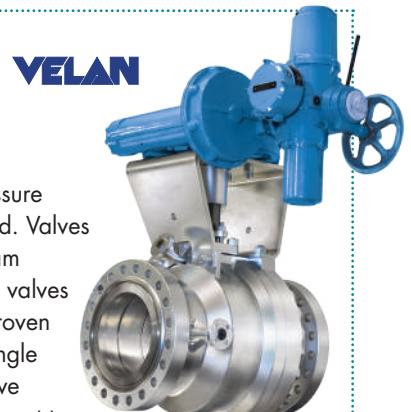
Today, the Everlasting Valve Company's customers stretch worldwide in various markets including Portland cement; coal fired power plants handling fly ash and bottom ash; petroleum production and refining – FCC catalysts, coke; inorganic chemicals such as titanium dioxide and gypsum; chemicals, resins and catalysts; coal gasification and liquifaction; synfuels and many other areas where the handling of abrasive solids and slurries is critical.



VELAN COKER

www.velan.com

Velan currently supplies valves for delayed coker applications in the widest range of sizes and pressure classes in the industry – with a proven track record. Valves for 4-way switching, isolation, HP water, and steam service are included in this range. With over 700 valves installed worldwide in coker service, Velan has proven itself as a major player in this extreme service. Single 90° rotary motion allow for simple and inexpensive actuation, while sturdy bellows maintain constant seat to ball contact. A 1-piece ball and stem construction provides optimal strength and prevents solids build-up in the ball-stem joint normally associated with 2-piece designs. Scraper type seats ensure self cleaning during normal operation, while steam purges maintain bellows and body areas free of coke build-up.



CLEARGUARD

www.clearguard.com

The Autorodder (AR) is a very simple, preventative maintenance device that is fitted permanently to tapping points of pressure vessels, reactors, pipe mains, etc. Keeping instrument tapping points clear; by ensuring there is no induced error in pressure measurement while keeping the tap clear and using plant air and a simple control system; the Autorodder product is solving a huge number of issues.



LIGHTNING MASTER

www.lightningmaster.com

Lightning Master is a full service, full spectrum static solutions and lightning and transient protection company, serving the oil and gas and chemical industries since 1984. Their complete line of products and systems is backed by their worldwide support and customer service. Lightning Master has become recognized internationally as the industry leader in lightning and static protection. With service and support in fifteen countries, they have a track record of success throughout Asia, Africa, Middle East, and Europe. Lightning Master Corporation is the worldwide authority on lightning and static protection. Lightning Master is now also exclusively available from HVA's Engineered Products Division.



ENGINEERED PRODUCTS DIVISION

CONTINENTAL DISC CORPORATION

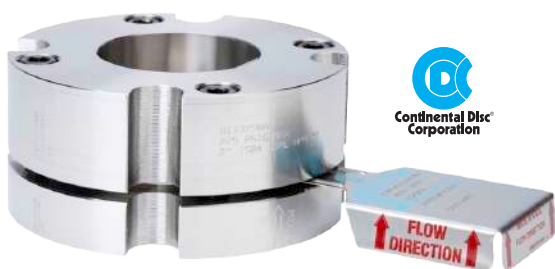
www.contdisc.com

Established in 1965, Continental Disc Corporation is a leading manufacturer of rupture disc (bursting disc) devices for a variety of process industries, including chemical, petrochemical, petroleum refining, pharmaceutical, beverage, food and dairy, aerospace, gases, electronics, and other markets worldwide.

Continental Disc Corporation is committed to providing the products, services, and quality you expect from the leading overpressure safety company.

Rupture Discs function as a pre-designed "weak point" in a pressurized system, and they should be the strongest part of your pressure protection system.

Continental Disc rupture discs utilize innovative, patented designs, the highest quality materials from traceable sources, and ISO 9001 manufacturing procedures performed by skilled craftsmen.



SEETRU

www.seetru.com



Seetru are manufacturers of safety relief and other special purpose ancillary valves for a wide range of compressed air, industrial gas, refrigerants, powder, steam, liquid and liquefied gas applications. These valves meet important international standards which include: BS 6759 Parts 2 & 3, AD-Merkblatt A2, ISO 4126 and ASME Section VIII design codes as well as type test approvals from TÜV and the National Board. The products comply with the requirements of the European Pressure Equipment Directive (PED) and are available with both the CE mark as well as the UV stamp, and have wide international approvals.

Seetru also has a wide range of special purpose valves, which are largely for the compressed air industry and for medium sized industrial diesel engines. These include minimum pressure valves for screw type compressors and air starting valves for medium size industrial and marine diesel engines.

Seetru liquid level gauges are primarily of two types, sight gauges and magnetic float by-pass gauges. Many of the gauges are direct reading though most have optional electronic remote reading systems and computer interfaces. The range includes the Quickmount, Seemag and CPI gauges for industrial and chemical applications and the Seeflex and Seemag for marine applications.

COMBUSTION DIVISION

Heaton Valves Africa, as Zeeco's official agent in Southern Africa, is ready to consult on and supply all facets of combustion equipment as required in this highly technical market.

Founded in 1979, Zeeco is a global leader in the design, engineering and manufacture of next-generation combustion equipment and advanced environmental systems. Zeeco's product lines include ultra-low emission burners, gas and liquid flaring systems and hazardous waste incineration.



ALBRECHT-AUTOMATIK www.albrecht-automatik.de

Albrecht-Automatik offers innovative and reliable safety shut-off systems and components for process engineering. Specialising in construction of individual stations. Production programs are compact systems for the power generating and chemicals industries. Heaton Valves Africa, as Albrecht's exclusive distributor has access to the following extensive product range. Albrecht's safety devices have an automatic shut-off function. The function and working of the safety quick-closing valves are conceived such that dangerous operating conditions are avoided and the system is protected. If the auxiliary power source fails, the safety quick shut-off valves are closed through spring force. Closing time is less than 1 second / within 5 seconds during control function. Heaton Valves Africa and Albrecht-Automatik have a service team to perform installation or maintenance work on your plant with the same high quality and reliability standards that are applied at the manufacturer. Safety is a matter of trust. Heaton Valves Africa and Albrecht-Automatik thus keep your plant data up to date professionally, so the right spare parts are stocked at all times.



ZEECO BURNERS

Zeeco offers a comprehensive portfolio of package burners, conventional burners, duct burners, and low-NO_x and ultra-low NO_x process and power/steam boiler burners that are world renowned for energy efficiency and low-emissions performance. From modular units for commercial applications to

fully engineered systems for complex burner configurations, Zeeco employs its own advanced combustion technologies to deliver superior results and extra-long life. More to this, the modeling lab is one of the finest in the world for both physical and CFD modeling to ensure your burners operate to their intended specifications. As a full-line supplier through Heaton Valves Africa, Zeeco also designs its own burner management systems, flame scanners, ignition systems, and packaged fuel skids. Whatever your burner requirements, we at Heaton Valves Africa in conjunction with Zeeco's global capabilities ensure that even the most challenging projects are completed on time and budget to offer the highest customer satisfaction rate in the industry.



ZEECO INCINERATORS & THERMAL OXIDIZERS

Thermal treatment of wastes has become the premier method of disposing of hazardous and non-hazardous wastes worldwide. Heaton Valves Africa offers a complete line of Zeeco liquid and fume incinerators or thermal oxidizers as they are also called, to safely and effectively dispose of waste streams such as tail gas, acid gas, BTEX vapors, chlorinated hydrocarbons, waste gases and waste liquids. Because of the high temperatures associated with incineration, many Zeeco systems incorporate Waste Heat Recovery equipment to reduce operating costs or provide steam for other plant operations. Proven air pollution control devices such as scrubbers are also used to remove particulate matter and inorganic acids from the flue gas. Depending on the components of the flue gas, one or more devices can be incorporated into a waste treatment system. Bag houses, venturi scrubbers and ionizing wet scrubbers are designed to control particulate. Absorbers and scrubbers clean the acid gases present in the flue gas. Quench systems, conditioning towers and heat exchangers lower the temperature of the flue gas.



ZEECO FLARES

ZEECO flares are regarded worldwide as the most reliable, engineered flare systems in operation today. Every flare is designed and manufactured to deliver superior safety performance without sacrificing smokeless performance. Whether your operation is onshore or offshore, in the production field or a process plant, Zeeco's flares, flare gas recovery systems and vapor control systems will meet the toughest weather conditions and global compliance requirements. Need a rental?

Through Heaton Valves Africa, Zeeco offers a full line of gas and liquid flaring systems ready for delivery. We also supply the Zeeco signature flare pilots, flare control systems and auxiliary equipment to keep you online and avoid costly downtime.



HEATON VALVES AFRICA (PTY) LIMITED HAS A DIVERSE LIST OF SERVICES:

- Sizing and selection of most appropriate flow control solution
- Steam system audits, surveys, optimization and design
- Pressure reducing station design and manufacture outsourcing
- Safety systems design
- Safety valve service, calibration and reconditioning
- Outsourcing of valve actuation
- NDT examination
- Pressure testing
- Certification sourcing
- Valve accessories
- Specialist valve sourcing
- KPI self assessment
- Valve training seminars
- Pre-shutdown assessment service
- Strategic stocking locations
- Documentation handling, certification and inspection
- Logistics Management
- Certification Traceability
- Fugitive Emission testing and plant audits
- Tank assessment and equipment sourcing
- Combustion equipment and accessory assessment and sourcing
- Quality assurance with Assettagz
- Drone audits of elevated flares
- Back order and project expediting

PROJECT MANAGEMENT INCLUDING:

Project planning assistance

Single contact point with dedicated project team as backup

Flow-control solution package sourcing

Complete technical and commercial competence

Technical assistance during basic engineering and design phases

Full documentation compliance verified pre-delivery

Technical backup post-delivery

Consolidation invoicing

WITH ASSETTAGZ®



"Today's industry leaders know that efficiently managing the lifecycle of their business assets means harnessing the power of the latest in cutting-edge, innovative technology. This not only streamlines business processes and reduces costs, but guarantees the highest levels of inspection, quality control and customer satisfaction in the long-term. Heaton Valves Africa appreciates that the right technology can only add value to their business processes.

Demanding solutions, Heaton Valves Africa makes use of the innovative Assettagz® system to facilitate their business with better delivery of the highest inspection, documentation and quality control standards in their operating warehouses.

The Assettagz® System, made up of bar coded or RFID valve tags and mobile devices used to load, inspect, manage and dispatch valves from their warehouses with quality, efficiency and service excellence, has been expertly supplied to Heaton Valves Africa by the exclusive Assettagz® solution provider, Assettagz® Africa.

With the Assettagz® System each item that arrives at the Heaton Valves Africa warehouse is uniquely identified using a barcode or RFID tag. These tagged valves are scanned and identified using handheld computers. Alerts are built into the system to ensure all valves undergo an inspection on arrival and dispatch. All the inspection data captured allows Inspection Certificates and Reports to be immediately available and viewed

centrally on the database via any internet enabled computer, as it is a 'cloud-based solution'.

Stuart Walker, QA consultant for Heaton Valves Africa: "With Assettagz® technology we are able to ensure that quality control inspections are performed. Simultaneously, our warehouse efficiency has dramatically improved and Non-Conformance Reports have drastically reduced. Using Assettagz has not only made our QA better but has also improved the work environment for our employees as we use the system to check vehicles and forklifts daily, inspect first aid kits and make sure the warehouse is safe to work in. Assettagz® ensures your company keeps up with all the OSH Act requirements making Assettagz a complete asset management solution."

Heaton

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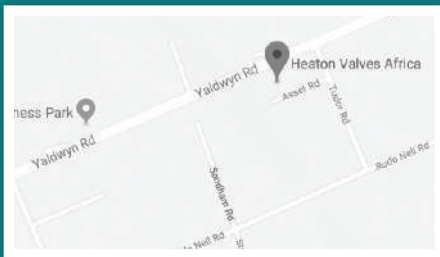
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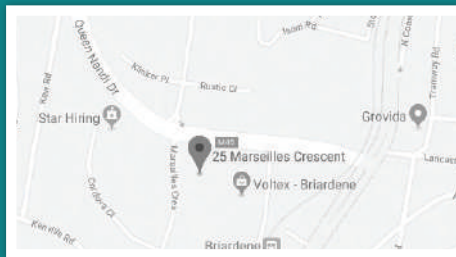
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