

**Aliaxis Africa
Corporate Profile**





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make
life
flow**



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We are Aliaxis

Aliaxis is a global leader in the manufacturing and distribution of advanced plastic piping systems for building, industrial and utility applications. We provide innovative and sustainable solutions for energy and water and our global workforce of over 16,000 employees is dedicated to setting industry benchmarks.

The Aliaxis international footprint is significant and now encompasses more than 100 manufacturing and commercial companies which operate in over 45 countries. Privately owned and headquartered in Brussels, Belgium, we are passionate about providing local solutions that are driven by global innovation and technical expertise.

The Aliaxis way

At Aliaxis, our values define who we are as a Group. They make us who we are. We want to achieve more together, working with and for people. We want to be flexible, fast and agile so we can answer our customers' needs. But above all, we want to improve people's lives by living our values and by making a difference, shaping a better, sustainable tomorrow.

Connect to win – Passion to build – Commitment to care



our vision

We make life flow, shaping a better tomorrow by connecting people with water and energy.



our purpose

We are passionate about creating sustainable innovative solutions for water and energy. We provide people around the world with advanced plastic piping systems, leading our industry in a way that anticipates the rapidly evolving needs of our customers.



A passion for excellence

At Aliaxis, we are dedicated to delivering excellence in everything we do. The Aliaxis Promise defines our commitment to the highest industry standards:

We are expert solutions providers

We specify and deliver tailor-made systems for specific segments such as building, industry and infrastructure.

Working towards a sustainable future

In everything we do, we seek the right balance between planet, people and profit.

Leaders in innovation leadership

We are committed to offering value adding innovations in customer interaction (with distributors, consultants and designers), including digital initiatives.

Offering our clients the widest product range

Our businesses provide an extensive range of innovative and high-quality products and solutions.

Building: offering high performance and durability

Aliaxis offers sanitary, plumbing and building solutions within the building segment. Our solutions are designed to meet the needs of different types of construction across a variety of global markets. Furthermore, we understand the importance of high performance and reliability. Whether it's for residential, commercial or hospitality buildings through to educational institutions and healthcare facilities, we offer a wide range of products and solutions.





Wefatherm PP-R & PP-RCT hot and cold-water supply systems

Wefatherm's specialist water supply system is made in Germany and has been used for over 30 years in different water applications that demand high standards of durability and reliability. The system is corrosion-free and is safe and easy to install for both hot and cold-water supply systems

The comprehensive product range includes both PP-R and PP-RCT and is manufactured according to highest ISO and DIN standards for hot and cold installations in PP material.

The Wefatherm factory, located in Wunstorf Germany, is focused on delivering quality systems all the way from initial product development stage through after sales support. Focused on innovation and quality, the system uses different welding technologies to make jointing easy, straight-forward and versatile.

High resistance to internal pressure, flexibility and impact resistance make PP-R the ideal material for safe and reliable installations.



Wefatherm PP-R pipes systems offer a complete system for floor distribution, riser mains and connection to risers. Pipes are available in diameters of 20 mm to 315mm. The range offers solutions both in PP-R and PP-RCT further than any welding method (socket welding, butt-welding, electrofusion).



Wefatherm pipes systems can be applied for typical domestic water supply systems such as drinking water, hot tap water and sanitary applications.



DNV-GL



WRAS





Fluxo® Multilayer Piping & Fitting System

Manufactured in Italy according to the highest European standards, Fluxo® is a smart system designed for domestic hot and cold water supply, air conditioning, and heating systems.

Fluxo® multilayer pipe is easy to work with as it is flexible, but above all, it will firmly maintain the shape you give it. This is due to its composition: a pipe consisting of 5 layers that come from the union between synthetic

materials (PEX) and an inner layer of laser butt-welded aluminum. Modern and simple, this system combines the benefits of hi-tech multilayer pipes with specifically-developed brass fittings.

Fluxo® embraces the features of synthetic materials and metal materials, offering unparalleled benefits: simple installation, flexibility, highly hygienic, corrosion resistant, and low linear expansion.



Fluxo® system offers a complete range of pipes, brass fittings, clamps and tooling. Fluxo is the ideal complete solution that can adapt to all network sizes (Ø 16-75).



Fluxo® system can be applied for domestic hot and cold water supply, air conditioning, and heating systems.



dBlue

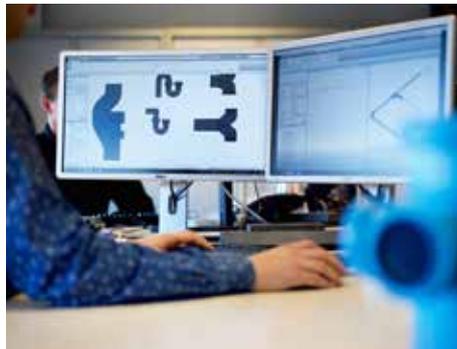


dBlue acoustic soil & waste systems

Akatherm dBlue acoustic soil & waste system is manufactured in Poland and offers more than just basic waste water disposal. This is because they are made from a state-of-the-art combination of plastic and sound absorbing mineral filler. This results in a unique product that offers a remarkable reduction in noise levels to as little as 18 dB.

Akatherm dBlue's triple-layer pipe structure is produced using the latest co-extrusion technology. This provides

the perfect combination of acoustic performance, weight, resistance and mechanical strength as well as improving drainage flow. Akatherm dBlue offers a complete range which includes the dBlue floor gully and Akavent, the ideal system for high-rise buildings. Tests and measurements of noise emitted by the Akatherm dBlue system have been conducted according to the European standard EN 14366 'Laboratory measurement of noise from waste water installations' and to the requirements set by the Building Code of Australia (BCA).



Akatherm dBlue is available in diameters of 40mm to 200mm with uniform fittings and acoustic brackets. The system is 100% recyclable.



Ideal for multi-occupancy buildings, hotels, hospitals, schools and other commercial applications where reduced noise levels are preferred.





Akatherm HDPE soil & waste system

Akatherm HDPE is manufactured in the Netherlands and is a drainage system that combines flexibility with robustness and reliability. It is a superior alternative to cast iron and offers complete solutions for both above and below ground drainage.

Akatherm HDPE is made of High-Density Polyethylene (HDPE) which can be welded for reliable, pull tight and leak free joints.

It is lightweight, resistant to both UV and high temperatures, and is cost effective because it can last over 50 years with little maintenance. Akatherm HDPE also provides a fully closed system using butt-welding and electrofusion resulting in long-life, leak-free homogeneous joints. These are suited to the most demanding situations that require the toughness, flexibility and impact resistance that only Akatherm HDPE can deliver.



Akatherm HDPE soil & waste system pipes and fittings range from 40mm to 315mm, including wide range of branches, bends, traps and connection fittings.



Ideal for drainage in multi-storey hotels, residential and office buildings.





REDI PVC soundproof piping system PhonoBlack®

Manufactured in Italy, REDI PhonoBlack® is an acoustic soil and waste system made of black PVC-U strengthened with mineral additives, fire-resistant (Euroclass B s1 d0) certified, and patented acoustic brackets are available for each diameter. PhonoBlack offers a complete range of soundproof pipes and fittings for soil and wastewater discharge: suitable for renovation, thanks to the possibility of bonding connections directly on the old downpipe.

PhonoBlack is a push-fit system that also allows the

solvent welding junction. The gasket's quality ensures a long-lasting life system. The gaskets comply with law requirements and are certified by leading international certification bodies. All gaskets can be removed from the groove and consequently re-placed without affecting the hydraulic seal.

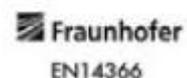
The specific acoustic composition guarantees high chemical resistance, mechanical characteristics even at low temperatures, and excellent soundproof performance.



REDI PhonoBlack® is available in diameters of 40mm to 160 mm with uniform fittings and Phonoklip® supporting brackets.



PhonoBlack® piping system can be installed in multi-occupancy buildings, hospitals, schools, commercial and industrial buildings as well as in any other applications that requires reduced noise levels.





Marley UPVC Soil, Underground Drainage and Rainwater Systems

The Marley brand is manufactured in the UK and is globally known for its innovative solutions in the field of plumbing and drainage. Now in its 65th year, it continues to offer the finest in technical support as well as a wealth of product and installation knowledge.

Marley Plumbing & Drainage produces a complete range of Unplasticized Polyvinyl Chloride (UPVC) above ground and underground drainage systems and waste

systems. It is designed for commercial, residential and large-scale developments, as well as smaller projects.

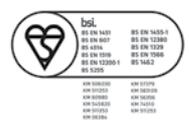
Marley Plumbing & Drainage also offers a comprehensive range of rainwater systems. The Deepflow semi-elliptical profile produces self-cleansing flow resulting in a very high capacity. Deepflow can be installed using a notched or notchless joints.



The UPVC soil systems (pipes & fittings) are available in sizes 82mm, 110mm, 160mm and 200mm. Waste systems (pipes and fittings) are available in 32mm, 40mm and 50mm. Underground drainage systems are available in sizes up to 200mm.



Ideal drainage solutions for high and low rise installations within residential, commercial and large-scale developments.





The professional's choice for **chemical drainage**



Durapipe's specialized chemical drainage, Vulcathene

Vulcathene is manufactured in the UK and is a system specifically designed and engineered for laboratory drainage. It has been a market leader for over 65 years in transporting chemical waste in a wide range of laboratory installations. The system has a strong global reputation for its suitability in many applications including schools, universities, hospitals, research facilities and industrial environments.

Vulcathene is manufactured using a co-polymer

polypropylene with 3% carbon black ultra-violet stabilizer. This creates a system that offers a high level of chemical resistance to a wide range of effluents. A comprehensive list of these chemicals can be provided upon request.

Two easy jointing methods are available in this range: mechanical and enfusion. These allow flexible design, efficient installation and ease of system extensions and maintenance.



Vulcathene chemical drainage range from 38mm to 152mm.



Ideal for drainage in hospitals and clinics, pharmaceutical companies, schools, universities and colleges.





REDI

REDI PP Ultramax® Pipes & Amax® Fittings Soil & Waste System

REDI Ultramax® is a Polypropylene soil & waste push-fit pipe system for the drainage of civil and industrial wastewater; the range is completed with the Amax® fittings. The system is Self-extinguishing B1 certified and is impact resistant.

Manufactured in Italy, the pipes are produced with multilayer technology but without any mineral material. The great elasticity of the pipe allows complete compression when under impact, without breaks, cracks, or functional consequences, even

at low temperatures. The impact resistance is tested directly in line, at regular intervals, for each production batch.

REDI Ultramax® presents a perfectly white and uniform interior. This feature is particularly appreciated during video inspection. The technology allows an extrusion flow of the extremely regular raw material, enabling a perfect fusion among the layers realized with different colors but the same material.



REDI Ultramax® is available in diameters of 32mm to 160 mm in the version with single and double socket. The length range goes from 15 cm up to 3 m.



REDI PP Ultramax® Pipes & Amax® Fittings Ideal for drainage in residential and commercial buildings.





Hunter Underground Drainage and Rainwater Systems

Manufactured in the UK, Hunter underground drainage systems have been designed to ensure you can install and test with confidence. Reliability is inbuilt in all our products, offering you peace of mind. The products are designed to be: durable & robust, light in weight, easy to handle, and quick to install. The smooth bore pipe with longer intervals between joints reduces the risk of blockage and improves flow. Hunter offers a full range of underground drainage, sewer, and associated drainage products that are easy to install, even in wet conditions.

Furthermore, Hunter inspection chambers are designed to offer an easier, more economical alternative to traditionally constructed manholes. They are reliable, quick, and easy to install with ring seal sockets and a dry joint base to the riser assembly.

Hunter also offers a complete rainwater solution, Regency, that provides a classic elegance suitable for use on modern and period-style buildings. The Regency range has a unique profiled downpipe and can be used with square and round downpipes for greater style and pricing flexibility.



Hunter underground drainage solution has a comprehensive range of components and is available in 110mm and 160mm sizes. Inspection chambers are available in 110mm and 160mm sizes.



Hunter solutions are ideal for all domestic and commercial requirements for wastewater and surface drainage, up to and including main sewers.



Nicoll
by **aliaxis**

Nicoll Bathroom Solutions

Nicoll is a specialist provider of water drainage solutions and management systems, manufactured from plastic materials for all building applications. Nicoll designs, develops and manufactures almost all of its products in its home country of France. In order to satisfy the ever-changing functional and aesthetic requirements within the construction industry, Nicoll places a particular emphasis on the research and development of its products to ensure they are always at the forefront of industry demands.

The Nicoll Sanitary range offers a complete solution. Its vast product portfolio covers drainage solutions for washbasins, bathtubs and bidets. Developed for strong, ultra-hygienic, and design-led installations, Nicoll's range of concealed cisterns, float valve mechanisms, connectors, fittings, and drains are known for their excellent resistance over time.



Concealed cisterns & flush plates, flush mechanisms & float valves, floor & bath drains, traps & waste, shower sets.



All bathroom plumbing requirements.





Jimten Sanitary & Building Drainage Solutions

Jimten is a Spanish manufacturer of plumbing supplies and building drainage solutions with over 50 years of expertise in the sector. The Jimten product range is comprehensive and includes a wide range of materials and parts to cover all sanitary and building drainage solutions. The key advantage of the product line lies in its easy installation and superlative performance, making the brand globally renowned in the market.



Floor traps, shower channels with vertical/horizontal outlets, sanitary macerators, sinks, siphons, and floor gullies.



All bathroom plumbing requirements and building drainage solutions.





Multikwik

Multikwik is a UK based manufacturer of high-quality sanitary products. It has been a pioneer in "fit and forget" solutions to professional plumbers for over 50 years.

Thanks to its flexible Ethylene Vinyl Acetate (EVA) and

reliable Thermoplastic Elastomer (TPE) seals, Multikwik WC connectors ensure a watertight joint past the point of installation making them ideal for tolerating movement and WC load bearing pressures. The seals and multi-depth fins ensure a reliable connection to all pipe sizes and materials.



High quality traps designed with plumbers, for plumbers, offering quick and easy installation (hand tighten connections) to the waste system.



For connecting basins, sinks, baths, showers and utilities to the waste system.





Nicoll Hydraulic Channels Solutions

Nicoll is a specialist provider of water drainage solutions and management systems, manufactured from plastic materials for all building application. Nicoll designs, develops and manufactures almost all of its products in its home country of France. In order to satisfy the ever-changing functional and aesthetic requirements within the construction industry, Nicoll places a particular emphasis on the research and development of its products to ensure they are always at the forefront of industry demands.

Nicoll's hydraulic drainage channels are made from synthetic materials offering high-performance linear drainage for runoff water. They offer a guarantee of

quality, mechanical strength, weather tightness, and durability.

CONNECTO® and KENADRAIN® are professional ranges of hydraulic channels for both, light-duty (garages, driveways, patios, swimming pools, terraces etc.) and heavy-duty applications (car parks, petrol stations, roads, hard shoulders etc.), meeting the highest environmental demands in rainwater management. These prefabricated systems, thanks to their male-female interlocking assembly and the complete range of accessories (vertical, side outlets, and sump units) enable an easy installation and integrate perfectly into the drainage network.



CONNECTO® Load classes: from A15 to C250, length available in 0.5, 1 and 4 m with a large choice of gratings in different materials and designs.

KENADRAIN® Load classes: from A15 to E600, length available 1m, large range of grids in materials and designs.



Hydraulic channels for both, light-duty (garages, driveways, patios, swimming pools, terraces, etc.) and heavy-duty applications (car parks, petrol stations, roads, hard shoulders etc.)





REDI

REDI U-PVC large bore fittings for non-pressure applications & waste water treatment units

The REDI portfolio is manufactured in Italy and has been in the plastic fittings market for over 60 years. It offers a complete range of metric drainage systems for above and below ground applications.

REDI systems are the perfect solution to managing effective transportation of waste water from buildings

into the main sewer. The range includes the innovative and time-saving REDI easy clip sewage saddle which enables a quick and reliable connection to the sewer. Another best-selling product is the anti-flooding valve engineered with a revolutionary design shape that optimizes performance and is fitted with two flaps to guarantee integrity.



PVC-U fittings from 110mm to 630mm, push-fit jointing system with sealing lip-rings along with solvent weld system.



Ideal for civil and industrial waste water.



UNI EN ISO 9001, UNI EN ISO 14001





Studor air admittance valves and P.A.P.A (Positive Air Pressure Attenuator)

Developed in the UK, Studor has been leading the way in drainage ventilation technology since 1975. It excels in providing solutions through innovative products which meet the requirements of all types of buildings' drainage systems.

Solutions include a range of valves and complete systems that limit pressure fluctuations and guarantee

the integrity of traps. These solutions ultimately eliminate drainage smells and offer maintenance-free drainage systems.

Studor's high-quality systems have been proven in both commercial and residential buildings and conveniently eliminate the need for roof penetrations and extensive group vent piping.



Air Admittance Valves (Mini-Vent, Maxi-Vent) and Positive Air Pressure Attenuator (P.A.P.A).



Ideal for low and medium rise buildings, as well as high rise.



AL/425 4/16/2002 - WMA022830
WMA022831 - WMA022832
WMA022833 - WMA022834



011-78003
011-78008



BRITISH BOARD OF AGREEMENT
Certificate no. 18/5542 18/5543



U-PVC Pressure Fittings

ASTORE thermoplastic pipework systems have been manufactured in Europe and used for the pressure pipework requirements of different market sectors for many years. Since 1970 ASTORE has been known worldwide for the cost effective and reliable thermoplastic fittings and valves offer for pressure pipework.

The ASTORE U-PVC Pressure Fittings range is used for a variety of applications where a lightweight, flexible and durable pipework system is required.



The ASTORE U-PVC Pressure Fittings range includes:

Metric series from D 12 mm to D 315 mm

Threaded series from R 3/8" to R 4"

Transition series from D 16x3/8" to D 110x4"



U-PVC Fittings for use in pressurized irrigation systems, water abduction, chemical installations and for water treatment in general.



WRAS

OGC
ORIGINE E QUALITÀ CONTROLLATA





GIRPI KRYOCLIM®

GIRPI KRYOCLIM® is manufactured in France and offers a complete solution for chilled fluids. The product is made from HPF®, a state-of-the-art synthetic material which offers excellent physical and chemical properties at very low temperatures. This ensures that the pipes are corrosion-free, have low condensation and exhibit low coolant losses.

The KRYOCLIM® system features many advantages for secondary/indirect refrigeration and air-conditioning applications between -30°C and $+40^{\circ}\text{C}$. The product range includes a wide range of diameters, fittings and accessories which facilitate installation in the commercial and refrigeration fields.



A complete system for chilled water services, pipes, fittings and accessories from d20 to d200mm in PN10 (except d200 mm in PN6)



Ideal for central cooling in residential and commercial buildings, industrial and food industry.



Best in class fire reaction rating (Euro classes): B s1 d0





GIRPI HTA

GIRPI HTA is a complete piping system for high sanitary requirements in domestic hot and cold water services. Manufactured in France, HTA system is made from CPVC which makes it resistant to chlorine based water treatments, high temperatures and helps limit biofilm and waterborne bacteria development (like legionella or pseudomonas) to help maintain water quality.

GIRPI HTA has a complete dedicated product range with more than 450 accessories, including mechanical transition fittings, valves, expansion compensators, temperature control fittings. It also enables ease of installation with color coded pipes for hot and cold application.



Products range from d16 to d63 in PN25 and d32 to d160 in PN16.



Ideal application in hospitals, hotels and the marine industry.



Best in class fire reaction rating (Euro classes): B s1 d0





The sustainable solution for wastewater treatment

Water treatment and management contribute to preventing pollution of the water table and soil. ISEA offers a complete range of systems for the treatment and management of wastewater. The treatment systems can be installed in civil, industrial, and commercial buildings.

Manufactured in Italy, ISEA solutions are used to treat wastewater, grey water and blackwater, from buildings include Grease separators, septic tanks, Imhoff tanks and activated sludge or percolating filter treatment systems.

For more than ten years, ISEA has been offering its engineering solutions in wastewater treatment to the market, from the concept to manufacturing, installation, and maintenance.

Initially specialized in 5 to 28 E.I. and 28 to 100 E.I. modules, the company has constantly enlarged its portfolio to comply with market needs, and mainly to perform on petrol installations and agglomerations up to 3000 E.I. Thanks to its experience, ISEA developed two types of highly efficient installations for effluent treatment, based on the concept of activated sludge system.



ISEA solutions includes grease separators, septic tanks, Imhoff tanks, activated sludge, or percolating filter treatment systems, and lifting stations.



Pre-treatment of wastewater from building (grey water and black water) and treatment of water containing oils from civil, industrial and commercial uses. ISEA also offers solutions for rainwater run-off and the collection and re-use of rainwater for irrigation and household.



Infrastructure & Utility: delivering expertise and innovation

Aliaxis offers industries and communities a broad range of solutions for water and gas distribution, sewerage, stormwater management and irrigation. Our tailor-made solutions are the result of industry expertise gathered from all our global businesses.





Friatec

Friatec's world-leading patented electrofusion systems have been used in projects all around the world. These innovative electrofusion products are made in Germany and include many unique features, all of which are designed to improve the speed of installation and use without compromising on quality and longevity.

Friatec's electrofusion fittings offer superior jointing of High Density Polyethylene (HDPE) material. Their unique features and benefits include: durability, safe and easy installation, superior design with exposed heating coils for improved hold, longer fusion zones for more grip, and larger insertion depths. The fittings are also available in an extensive range of sizes.



Shut-off valve, pressure tapping tees, pressure tapping valves, excess flow valves, ball valves, couplers, reducers and repair saddles.



Aliaxis Deutschland offers solutions for the connection or repair of pipelines in water supply, sewage and waste water, gas supply and industry applications.





MAGNUM 3G

Magnum 3G System

MAGNUM 3G is manufactured in Europe and is a newly engineered compression fitting. It is widely recognized as the most innovative and revolutionary product to connect Polyethylene pipes based on concepts adopted in the Australia and UK markets.

MAGNUM 3G compression fittings are designed to optimize performance and are based on a 'slide &

tighten' low interference hydro-mechanical sealing system. This special system guarantees the insertion of pipes into the fittings with very low manual effort and complete operational safety. They offer a range of advantages over metal threaded fittings which include faster, easier and reliable installation and lower insertion force needed due to lower friction with the pipe.



MAGNUM 3G range includes straight and reducing coupling, tees, elbows, end connectors and caps from d.16mm to d.63mm. MAGNUM 3G large Bore d.75mm, 90mm and 110mm. MAGNUM 3G Brass from d.20mm to d.63mm.



An ideal solution used worldwide by water companies, civil contractors and plumbers for several applications: water supply, irrigation, swimming pool systems.





STRAUB – Swiss premium pipe & repair couplings

STRAUB products are manufactured in Switzerland and the company has over 50 years of experience in the design and production of first-class mechanical coupling and repair solutions. It is considered "the original" in its field.

The STRAUB range of products offer a simple means of mechanically joining plain-end pipes in any material, including metal or plastic.

The repair couplings provide efficient pipe damage control in a variety of piping systems, including those under pressure. The benefits include simple and rapid installation without the need for specific tools or pipe preparation. In addition, the products are lightweight and save space.



STRAUB-GRIP from 21.3mm to 711.2mm, STRAUB-FIRE-FENCE 457.2mm, from 168.3mm, from 355.6mm, from 25mm to STRAUB-ECO-GRIP 26.9mm to STRAUB-COMBI-GRIP 38.0mm to STRAUB-PLAST-GRIP from 40mm to 400mm, STRAUB-FLEX and STRAUB-OPEN-FLEX from 48.3mm to 4064.0mm, STRAUB-CLAMP from DN 44 to DN 440 and STRAUB-REP-FLEX from OD 46mm to OD429mm



STRAUB pipe couplings are approved for virtually all piping systems in all sectors for example; water management, industry, ship building, offshore, civils, chilled water lines for both above and below ground.



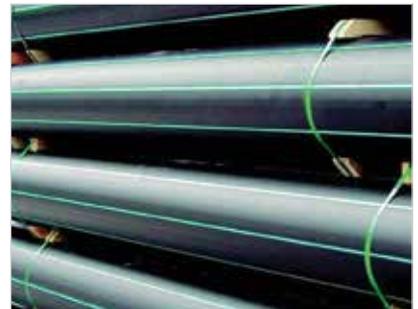


JIMTEN MASA

PE pipes and fittings for water and gas supply

Manufactured in Spain, Masa PE pipes are flexible and lightweight, allowing various installation techniques and saving time in transport and installation. Masa pipes are a superior alternative to other types of pipes and can last over 50 years with little maintenance.

The specific composition guarantees high corrosion resistance, low friction, and high flow rate. Masa PE pipes come in different thicknesses of wall that best suits the application of pressure.



Masa PE pipes are available in PE 40 and PE 100 with diameters of 20mm to 1000mm. They come in standard roll lengths of 50m and 100m and offer a full range of compatible accessories.



Masa PE pipes are ideal for water and gas supply for all infrastructure applications.



UNE-EN ISO 9001

ER-0084/1996



UNE-EN ISO 14001

GA-1999/0156



Industry: setting benchmarks across the world

Global megatrends are forcing industries to evolve at a very high pace. Consequently, engineering requirements become stricter every day. That is why Aliaxis is investing heavily in its leading range of piping and pressure systems for fluid handling and compressed air distribution. Our process piping continually meets the strict engineering requirements of industrial clients for temperature, pressure, chemical resistance, abrasion resistance and more.





FIP thermoplastic valves, fittings and instrumentation for pressure piping systems

FIP has been an Italian pioneer of top-quality polymer valves and fittings for more than 60 years. It is renowned for the design and manufacture of valves, measurement and control instruments and pressure piping systems which offer greater plant efficiency.

The FIP product portfolio, manufactured in Italy, provides effective solutions for pressure pipeline industrial systems. FIP products are also ideal for dealing with fluids at high temperatures, chemically aggressive conditions and in industrial situations that demand

reliability and long-lasting performance. FIP products have continually proven the solution of choice for the most conventional pressure pipeline systems. These include water distribution systems, civil and industrial water treatment, irrigation, sports facilities, swimming pools and spas.

Ultimately, FIP products are advantageous when ease of installation, minimum maintenance and assurance of long-life performance is required.



PVC, C-PVC, PP-H and PVDF thermoplastic valves, fittings, instrumentation (flow, pH/ORP, conductivity) for pressure piping systems.



An ideal solution for process pipework including aggressive, corrosive and fluids. This encompasses desalination plants, water distribution systems, civil and industrial water treatment and the chemical industry. It also includes swimming pools, irrigation, sports facilities, marine and more.





Durapipe
PLX
 Safe Pipework for Fuel

Durapipe PLX Safe pipework for fuel

Durapipe PLX is manufactured in the UK and offers a complete range of dedicated fusion-welded pipework technology facilitating the safe transfer of fuels and their vapors in pumped or vacuum applications. The system fulfills the specific needs of various fuel applications in retail, commercial and industrial markets around the world.

The range represents a major innovation in pipework technology as it offers the ultimate in environmental protection with maximum protection against permeation and leakage. This is achieved through unique product features which include corrosion-resistant single wall and secondary contained piping and fusion welding for robust joint integrity.



Multilayer pipe system HDPE with EVOH liner from 32mm to 315mm and 32#40mm to 315#400mm.



Forecourts, commercial and public vehicle refuelling, critical power, AdBlue / Diesel Exhaust Fluid (DEF), hydrocarbon drainage, buried or above ground.



DIN8074/8075, BS EN 1555, BS- 21/ISO- 7





FIP PE100 polyethylene fittings for butt-welding

FIP pressure fittings are manufactured in Europe and have been used for years in areas of application where pipe systems have to meet high standards in durability and reliability. These standards are achieved by combining the excellent material properties of Polyethylene (PE) to create homogeneous welded joints which can withstand significant loads.

The FIP PE100 pressure piping system has optimal thermal stability, high flexibility of use and robust impact resistance. These features make it suitable for installation in a variety of industrial processes and environmental conditions.



Short and long fittings for butt-welding, long fittings for electrofusion, fittings made from pipe, backing ring & gaskets, GOEMA pipe clips.



Water treatment installations, waste water transport, swimming pool construction, industrial process pipe systems, transport of solids.



ISO[®] **ISO**[®]
ISO 9001 ISO 14001





Durapipe
superFLO
ABS
 Chilled & cold water pipework

Durapipe SuperFLO ABS chilled and cold water pipework

SuperFLO ABS is manufactured in the UK and has multiple performance and economic benefits. This makes it the ideal solution when there is a requirement for a pipe system to transport low temperature fluids at pressure.

SuperFLO ABS offers a superior alternative to steel

options. Firstly, it is made from a durable material, which allows the pipework to remain ductile in temperatures as low as -40°C . Furthermore, its limescale and corrosion resistant properties significantly reduce maintenance requirements. Its lightweight nature and easy solvent weld jointing technique also contribute to reduced labor time and costs.



A solvent welded, fully matched pipework system incorporating pipe, fittings and valves that is available in both imperial and metric sizes from 16mm to 315mm, metric pressure rating PN8.



An ideal installation for buildings, data centers, factories and water treatment facilities for chilled water, boosted cold water, potable water, low temperature cooling, demineralized water, vacuum systems and waste water solutions.



WRAS

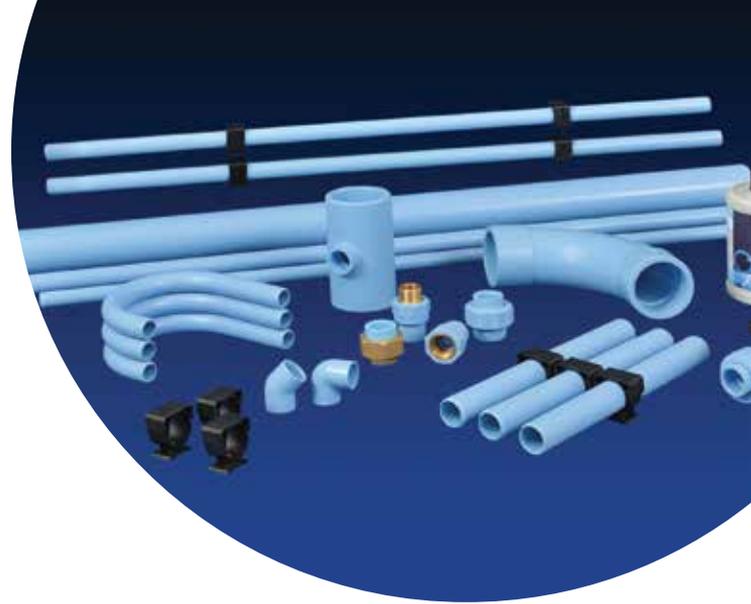
ISO 9001

ISO 14001



DNV-GL

Lloyd's Register



GIRPI GIRAIR® pipe fittings and valves for compressed air

GIRAIR® is manufactured in France by GIRPI who specializes in the design and fabrication of pipework systems. GIRPI's GIRAIR® offers a complete piping system for compressed air distribution networks and meets the demanding requirements of the building industry.

The GIRAIR® system has been on the market for more than 30 years and is recognized for its reliability which extends from compressor outlet to wall plate

connections. The system is designed to withstand maximum working pressures of up to 12.5 bar at 25°C, and to meet the vast majority of compressed air distribution requirements. GIRAIR® is corrosion resistant, energy saving and recyclable. It is also resistant to impact, even at very low temperatures, and has a "best in class" fire reaction rating of Bs1 d0 according to Euroclasses.



Pipes and fittings are available from d.16mm to d.110mm, solvent welded. A large range of male and female threaded fittings as well as stop valves and various accessories.



An ideal solution for compressed air distribution, neutral gas distribution, centralized vacuum networks.



Irrigation & Agriculture: maximizing efficiency and reducing wastage

Greater demand for food means more pressure on precious water supplies, so making agriculture more efficient is essential to creating a sustainable future for people and our planet.

At Aliaxis, we offer a range of solutions to support this goal, with quality systems that help farmers manage crop irrigation and provide drinking water for their animals. We support companies and farms around the world, by gaining a detailed understanding of their needs in order to design and install bespoke systems. Aliaxis continues to add to our range of solutions for the agriculture industry and we work closely with customers and partners to develop new innovations.





Best solution for water adduction with lightweight, cost-effective pipework system

ASTORE thermoplastic pipework systems have been manufactured in Europe and used for the pressure pipework requirements of different market sectors for many years. Since 1970 ASTORE has been known worldwide for the cost effective and reliable thermoplastic fittings and valves offer for pressure pipework. The ASTORE range is manufactured from either ABS or PVC-U and is used for a variety of applications where a lightweight, flexible and durable pipework system is required. Furthermore, ASTORE also

offers a wide range of clamp saddles and compression fittings as well as a modular manifold system that can all be used for a wide range of water related applications.

ASTORE polypropylene compression fittings are suitable for installations that may require occasional disassembly or partial removal for maintenance. They can be used in both irrigation and drinking water systems, where a quick and simple pressure connection is required.



ASTORE joints range includes compression fittings, clamp saddles and PVC-U valves to satisfy a very wide range of plant engineering installation requirements. The joints range leaves from d.16 mm up to d.110 mm. The joints provided with threads have a metal reinforcement on the external part of the thread, leaving from r. 1 1/4".



Water adduction systems in irrigation field and drinking water systems. It is also used for water treatment, aquaculture, pools and spas.



WRAS





Jimten Filtmaster discs, filter and air vent valves

Jimten Filtmaster is manufactured in Spain and uses the most advanced technology to achieve efficient water filtration in the industrial and agricultural fields.

Its modular filter system with filter media, screen and disc filters has a wide molecular capacity which means it is versatile and suited to any kind of water. Furthermore,

the patented disc system allows a real micron gap along the filtering surface.

Jimten Filtmaster offers several unique benefits which include simple installation, adaptation to a variety of water types and ease of cleaning. This makes it one of the most efficient, versatile and profitable filtration tools on the market.



Available in 25, 50, 100, 130 y 200 microns, with a range applicable both in low volumes (up to 15 m³) and flow rates up to over 600 m³ capacity. Filters 2" and 3" allow multiple configurations to create manual versions, hydro-cyclone and self-cleaning.



Filtmaster automatic filtration stations can be used in a wide range of applications as: cooling tower protection, nozzle protection, pre-filtration to protect UF/RO membranes, filtration of wastewater for reuse and filtration for irrigation.



References



4 Bourdillon, Lagos, Nigeria (REDI)



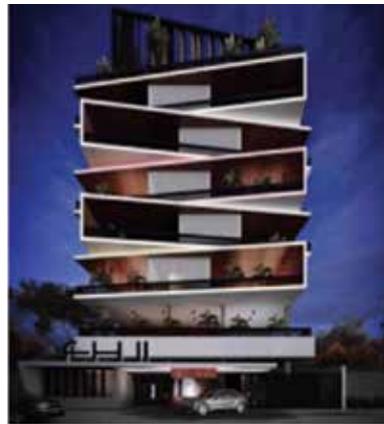
Eko Towers II, Lagos, Nigeria (Nicoll & HDPE)



Eko Pearl Towers, Lagos, Nigeria (REDI)



Afren Tower (Alpha 1), Lagos, Nigeria (REDI)



Luxury Residential Development, Banana Island, Ikoyi, Lagos (REDI)



Kuramo Beach Residence, Lagos, Nigeria (REDI, FIP & Nicoll)



Tamarind Tree Suites, Rosslyn park, Kenya (Jimten)



Waltersmith II – Kara Place , Banana Island, Lagos (REDI)



The Residence, Ikoyi, Lagos (REDI)



University of Ghana Teaching Hospital, Legon, Ghana (Wefatherm)



Kempinski Hotel, Gold Coast City, Ghana (REDI & Wefatherm)

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make
life
flow**



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