

*Solutions from the future
for the present*

GB



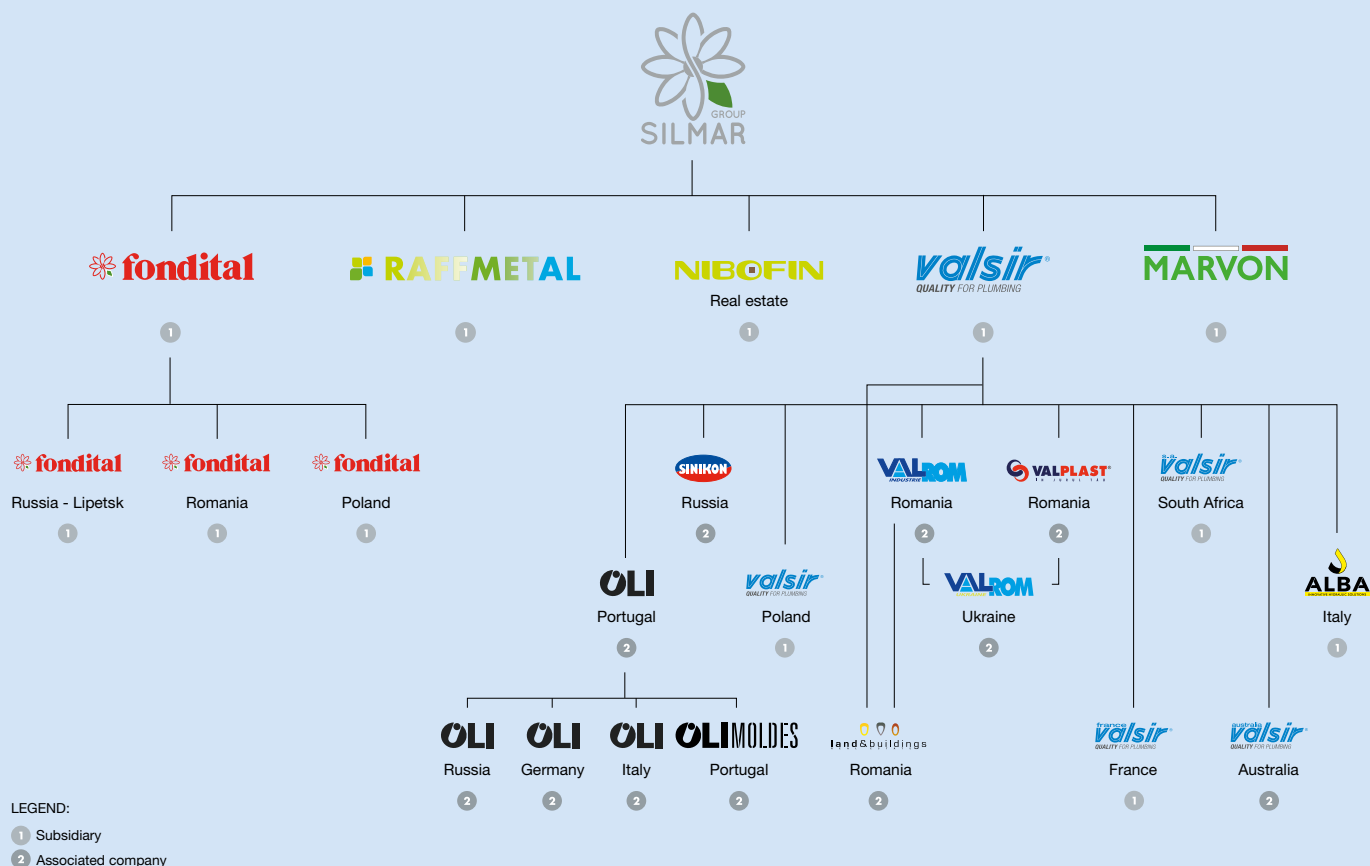
COMPANY PROFILE

valsir[®]
QUALITY FOR PLUMBING

MADE IN ITALY



SILMAR GROUP AND ITS NUMBERS



Silmar Group

The Group was founded in 1970, from the vision and strategy of Silvestro Niboli, who focused on diversifying production and set the very high standards of quality that would be adopted by each of the companies he built.

Silmar Group was established with the mindset of a modern industrial group, ready to compete with markets across the world.

The companies of the Group, interconnected by a clear vision, today represent one of the most important international players in the Italian industry: Silmar Group has its eye on the future within a framework of steady growth, confirming the powerful synergy of its member companies.

Silmar Group in numbers - updated to 2022:

Surface
2,161,238 m²
of which
612,186 m² indoors

Turnover
1,515,810,000 €

Direct employees
3,651



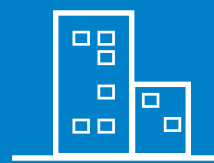
The company

Valsir was founded in Valle Sabbia in 1987, providing advanced solutions for the plumbing and heating sector.

Over the years, it has developed a strategy projected onto the international market. This strategy has led the company to successfully pursue technological development, the adoption of increasingly exclusive quality standards and constant research activity. The goal of continuous improvement has determined the constant growth of a company that today occupies a leading position in its market.

Valsir is a leading industrial company, which through a dense network of subsidiaries and affiliated companies competes as a major player in markets all over the world.

Valsir in numbers - updated to 2022:



Surface
1,659,192 m²
of which
400,634 m² indoors



Turnover
500,193,323 €



Direct employees
2,051

A COMPANY IN CONTINUOUS EXPANSION



Production sites

- Valsir Vestone (Brescia, Italy)
- Valsir Vobarno (Brescia, Italy)
- Valsir Carpeneda 1 (Brescia, Italy)
- Valsir Carpeneda 2 (Brescia, Italy)
- Valsir Roè Volciano (Brescia, Italy)
- Valsir Verolanuova (Brescia, Italy)
- Valsir Polska (Skawina, Poland)¹
- OLI (Brescia, Italy)²
- OLI - Sistemas Sanitários, S.A. (Aveiro, Portugal)²
- OLI (Moscow, Russia)²
- Valrom Industrie (Bucharest, Romania)²
- Valrom Ukraine (Vinnitsa, Ukraine)²
- Valplast Industrie (Bucharest, Romania)²
- Sinikon (Troitzk, Russia)²
- Alba (Brescia, Italy)¹

Commercial premises

- Valsir France (Montagny, France)¹
- Valsir S.A. (Johannesburg, South Africa)¹
- Valsir S.A. (Cape Town, South Africa)³
- Valsir Australia (Perth - Western, Australia)²
- OLI (Möckmül, Germany)²

Legend:
1 Subsidiary company
2 Associated company
3 Deposit

VALSIR VESTONE



Location: Vestone (Brescia)

Surface area: 48,309 m² (of which 28,776 m² indoors)

No. of employees: 319

Production:

- Exposed and concealed flush cisterns
- Push plates
- Fittings for waste systems
- Fittings for water supply, heating and gas supply systems
- Siphonic rainwater drainage systems
- Traps and special fittings for waste systems
- Floor-level shower systems
- MFV

VALSIR VOBARNO



Location: Vobarno (Brescia)

Surface area: 107,550 m² (of which 64,190 m² indoors)

No. of employees: 205

Production:

- Soundproof and sound insulated HDPE, Blackfire[®], PP3[®], PP, Triplus[®] and Silere[®] pipes
- Multilayer pipes for water supply, heating, and combustible gas supply systems
- Logistics hub

VALSIR CARPENEDA



Location: Carpeneda, Vobarno (Brescia)

Surface area: 56,443 m² (of which 12,538 m² indoors)

No. of employees: 34

Production:

- Multilayer pipes with insulation and coating for water and fuel gas supply and heating systems.
- Production of recycled plastic pallets

VALSIR ROÈ VOLCIANO



Location: Roè Volciano (Brescia)

Surface area: 21,020 m² (of which 8,520 m² indoors)

No. of employees: 9

Activity: warehouse

VALSIR VEROLANUOVA



Location: Verolanuova (Brescia)

Surface area: 75,699 m² (of which 24,506 m² indoors)

No. of employees: 4

Production:

- Production of panels for underfloor heating and cooling system
- Installation of HRV units

VALSIR RECYCLING



Safeguarding natural resources represents a great responsibility for our company and is a demonstration of the strong bond that exists between Valsir and the local region. It was this that led to the decision in 2012 to invest in a laboratory dedicated to the recycling of plastics.

The aim was to recycle the waste generated by Valsir and all of the other companies in the Silmar Group (polyethylene film for packaging, big bags, production waste and scrap) and produce secondary raw materials intended for the external market.

Soon after, feedback from the market guided a new stage of project development, in terms of both technology and production, leading to the creation of our Recycling division.

Location: Carpeneda, Vobarno (Brescia)

Surface area: 30,364 m² (of which 8,202 m² indoors)

No. of employees: 41

Production: secondary raw materials from recyclable waste

PRODUCTION AND LOGISTIC SITES



ALBA

Location: Rodengo Saiano (Brescia)

Surface area: 18,696 m² (of which 13,363 m² indoors)

No. of employees: 75

Production:

- Traps
- Kitchen sink drains



VALSIR FRANCE

Location: Zac du Baconnet, 69700 Montagny (France)

Surface area: 10,970 m² (of which 2,990 m² indoors)

No. of employees: 14

Activity: commercial-logistic facility



VALSIR POLSKA

Location: ul. Przemysłowa 7A, Skawina (Poland)

Surface area: 19,895 m² (of which 5,424 m² indoors)

No. of employees: 25

Production:

- Polypropylene drainage pipes up to Ø 160 mm
- HDPE drainage pipes up to Ø 315 mm



VALSIR AUSTRALIA

Location: Perth - Western Australia (Australia)

Surface area: 1,300 m² indoors

No. of employees: 6

Activity: logistic-commercial facility and assembly production of MFV



VALSIR S.A.

Location: Founder view south, 49 Brunton St, Founders Hill, 1609, Johannesburg (South Africa)

Surface area: 1,800 m² (of which 1,390 m² indoors)

No. of employees: 9

Activity: commercial-logistic facility



VALSIR S.A.

Location: 22 Montague Drive, 7441 Montague Gardens, Cape Town (South Africa)

Surface area: 1,600 m² indoors

No. of employees: 6

Activity: commercial-logistic facility



VALROM INDUSTRIE

Location: 28 Preciziei Blvd, 6 District, Bucharest (Romania)

Surface area: 861,318 m² (of which 119,248 m² indoors)

No. of employees: 385

Production:

- PP drainage and water supply systems
- HDPE pipes up to Ø 1200 mm
- Water treatment and storage systems



VALPLAST INDUSTRIE

Location: Bdul. Preciziei, nr 9 sector 6, Bucharest (Romania)

Surface area: 35,000 m² (of which 8,200 m² indoors)

No. of employees: 130

Production:

- PVC pipes and connections for drains up to Ø 630 mm
- Drainage and filtration systems
- Electric cable protection systems
- Well pipes and filters



VALROM UKRAINE

Location: Vinnitsa obl., 23320 Sutiski, 49, Vinnitsa Ul. (Ukraine)

Surface area: 140,700 m² (of which 29,900 m² indoors)

No. of employees: 62

Production:

- HDPE pipes for water and gas transport up to Ø 630 mm
- PP pipes for drains up to Ø 160 mm
- PVC pipes for drains up to Ø 500 mm



SINIKON

Location: Promyshlennaya street nr 11, 108841, Troitzk, Mosca (Russia)

Surface area: 48,000 m² (of which 19,950 m² indoors)

No. of employees: 131

Production:

- Polypropylene (PP) pipes and connections for internal drain systems
- Sound insulated pipes
- PERT-PEX pressure pipes



OLI - Sistemas Sanitários, S.A.

Location: Travessa do Milão Esgueira 3800-314, Aveiro (Portugal)

Surface area: 156,720 m² (of which 33,307 m² indoors)

No. of employees: 473

Production:

- Concealed and exposed flush cisterns
- Mechanisms, outlet and floating valves for ceramic cisterns
- Push plates



OLI - ITALIA

Location: Via Piani di Mura nr 1, Casto (BS)

Surface area: 17,070 m² (of which 11,300 m² indoors)

No. of employees: 41

Production:

- Traps
- Plastic polymer and steel system for smoke extraction
- Floor-level shower systems
- Design plates



OLI - RUSSIA

Location: 11 Promyshlennaia Ul., Troitsk, Moscow, 142190. 9 Promyshlennaia Ul., Troitsk, Moscow, 142191 (Russia)

Surface area: 2,247 m² indoors

No. of employees: 41

Production:

- Mechanisms for ceramic cisterns
- Logistics hub



OLI - GERMANIA

Location: Agria-Industrie Park, Bittelbronner Straße 42-46, 74219 Möckmül (Germany)

Surface area: 1,290 m² indoors

No. of employees: 5

Activity: commercial-logistic facility

THINK GLOBAL ACT LOCAL



Valsir has operations around the world!

In the early 1970s, Silvestro Niboli understood the added value that **“Made in Italy”** branding would acquire in markets across the world, even at an industrial level.

For this reason, the founding vision of the entire Silmar Group is based on this principle.

And it is this offer of quality and innovation that has allowed Valsir to make inroads into international markets: today the **company operates commercially in more than 100 countries.**

Valsir also has an extensive presence in emerging markets, where it guarantees prompt deliveries and provides a technical and commercial support service able to meet all their partners' needs.

And while the head and heart of the company remain firmly in Valle Sabbia, with its headquarters in Vestone, its eyes are set on the entire world market, to consolidate an expansion that has been unstoppable in over 35 years.

MADE IN ITALY, A STANDARD OF EXCELLENCE



“It is not enough to have great qualities; We should also know how to use them.”

[François de La Rochefoucauld]

Valsir is not just a proudly Italian company. The origins from Valle Sabbia of this extraordinary industrial enterprise are a key element in the overall management of production processes and the professionalism of the workforce, both of which are reflected in the extremely high level of manufacturing quality.

The solutions developed by Valsir still originate in the province of Brescia, where they are conceived, designed and then transformed into state-of-the-art products, based on a vision where people and the environment are pivotal: because imagining the future also means playing our part in turning it into reality, with the aim of common growth.

This is the quality of “Made in Italy”, the industrial excellence and system of values which Valsir strives to represent all over the world.

CONTINUOUS INNOVATION AND VISION FOR THE FUTURE



Innovation is the key
to transforming the present
to create the future.

At Valsir, keeping an eye to the future is of such importance that it justifies an investment in R&D of 3.5% of turnover.

Evolution is an ongoing process, especially for those whose goal is to continuously improve and excel in the face of every challenge.

Today, in a manufacturing environment such as ours, this principle is represented in the **28 product lines**, with more than **10,000 total items**. And **25 international patents**.

But we will never stop.
Because pushing ourselves further every day only gives us a clearer vision of the next goals to be achieved.

THE VALSIR PHILOSOPHY: QUALITY FOR PLUMBING



“Quality” is anything but an abstract concept.

“Quality” is best measured in terms of daily gestures, the goals reached and the results achieved.

Valsir is a manufacturing company whose excellence is testified not only by its constant commercial successes throughout the world, but also by **more than 300 product approvals** awarded by the most stringent international certification bodies.

The resources that the company uses, from laboratories equipped with the most modern technologies and collaboration with university and research bodies, to the constant improvement of skills and the continuous expansion of technical and laboratory personnel, show a concrete and determined commitment to maintaining the excellent standards that Valsir recognises as its own.

SUSTAINABILITY



Awareness of the environmental and social impact of a production activity should be the starting point for a reflection on sustainability.

A reflection that considers structures, processes and resources: the entire company assets.

Because the issue of sustainability imposes choices which concern the growth and future of the community and the territory.

Valsir therefore operates on two fronts: the development of eco-compatible products and the adoption of sustainable processes in energy efficient plants.



Download

www.valsir.it/u/sostenibilita-en

PROCESSES, QUALITY, ENERGY



Quality is not a goal, but a path towards continuous improvement.

Valsir has always focused on quality, sustainability and excellence. One proof of this is the **ISO 9001** certification, obtained by Valsir in 2001, being one of the first companies in the sector in Italy and Europe. The **ISO 50001** certification in 2017 testifies to the focus on energy efficiency and the ecological footprint of our manufacturing activities. The production site in Vestone has also obtained the **ISO 14001** certification.

The **trigeneration plant**, in operation at the Vobarno site since 2020, **covers 40% of energy needs**.

Considering also the energy produced by **photovoltaics**, **self-produced energy reaches 50%**.

Valsir includes the principles of **sustainability in the development of each product**, by evaluating its environmental impact, from the extraction of raw materials to their disposal, according to the **LCA** methodology.

The **Environmental Product Declaration (EPD)** is another fundamental tool for calculating the environmental impact of an asset. Our goal is to extend it to all our product ranges.

Valsir has also developed an ambitious investment plan aimed at reducing its **Carbon Footprint**, i.e. lowering the greenhouse gas emissions linked to its value chain, to achieve the carbon neutrality by 2050.

TECHNICAL CONSULTING VALSIR ACADEMY



“Knowledge is power.”

[Francis Bacon]

For us, it is essential that we keep an open and ongoing dialogue with our partners and stakeholders.

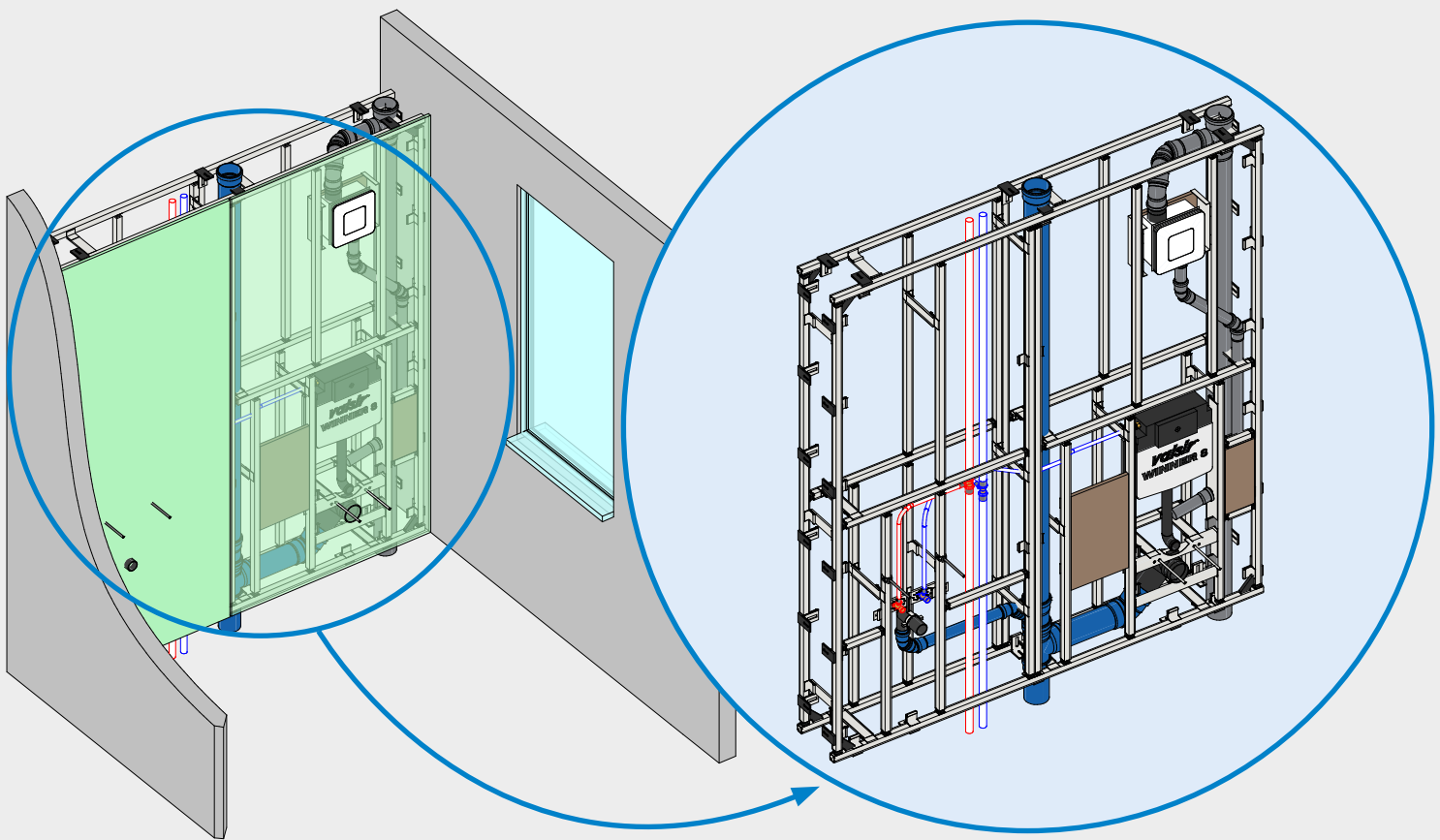
From the very beginning, our technical consultancy service has been accompanied by an extensive schedule of training activities, based on sharing our wealth of experience and knowledge (as well as in-depth study of the technical and technological aspects of our products).

This is how the **Valsir Academy** was born, with the aim of fostering the professional growth of customers and partners through a wide range of courses and specific refresher programmes.

In this way we are in contact with thousands of professionals every year: on-line and in-person training activities, daily collaboration with design studios and guaranteed intervention and assistance on every construction site.

This is how we want to contribute to the growth of the entire sector, and lay the foundations to continue building together.

BIM: MAXIMUM EFFICIENCY FOR YOUR PROJECT



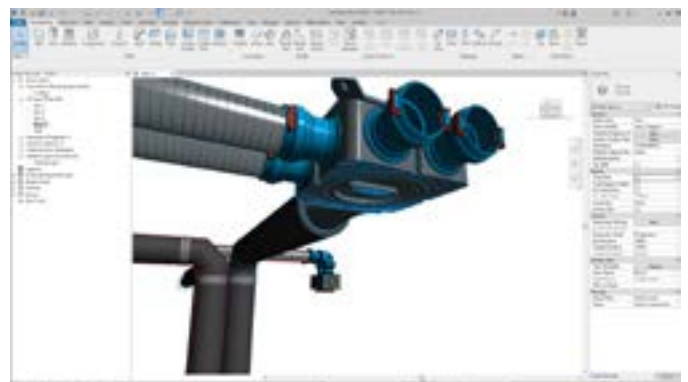
BIM, which stands for Building Information Modeling, is a **building design and management methodology** that uses a three-dimensional virtual model and a database of information to represent the building.

BIM encourages **collaboration between design and construction team members**: everyone works on the same shared model, increasing communication and information sharing.

This virtual modelling makes it possible to identify potential conflicts (reducing the risk of additional costs when construction works start) and **to perform advanced analysis and simulations** (to assess performances, optimise maintenance operations and improve the building's efficiency over time).

BIM improves quality, efficiency and collaboration in the construction industry: all players in the supply chain work together in a shared digital environment to create smarter and more sustainable buildings.

Download our product libraries developed for Autodesk Revit®.
Your building models, ready to be installed.



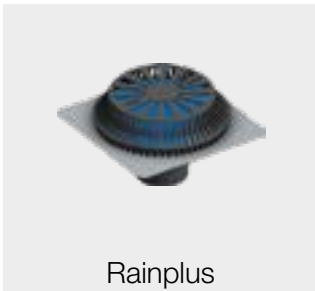
plumbBIM



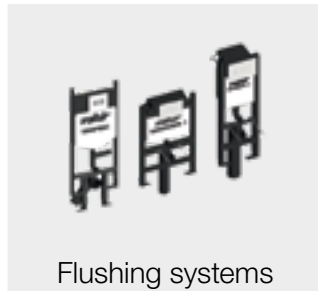
Water supply systems



Waste systems



Rainplus



Flushing systems



MFV



Ariapur



Traps



VMC



PPEcoforte



Polimask

At this link you can download all available models:

www.valsir.it/u/revit



At this link you can download the user manual:

www.valsir.it/u/manuale-revit-it



Valsir Product Line Calculator

We develop our software resources to support the productivity and efficiency of the professionals who work with us.

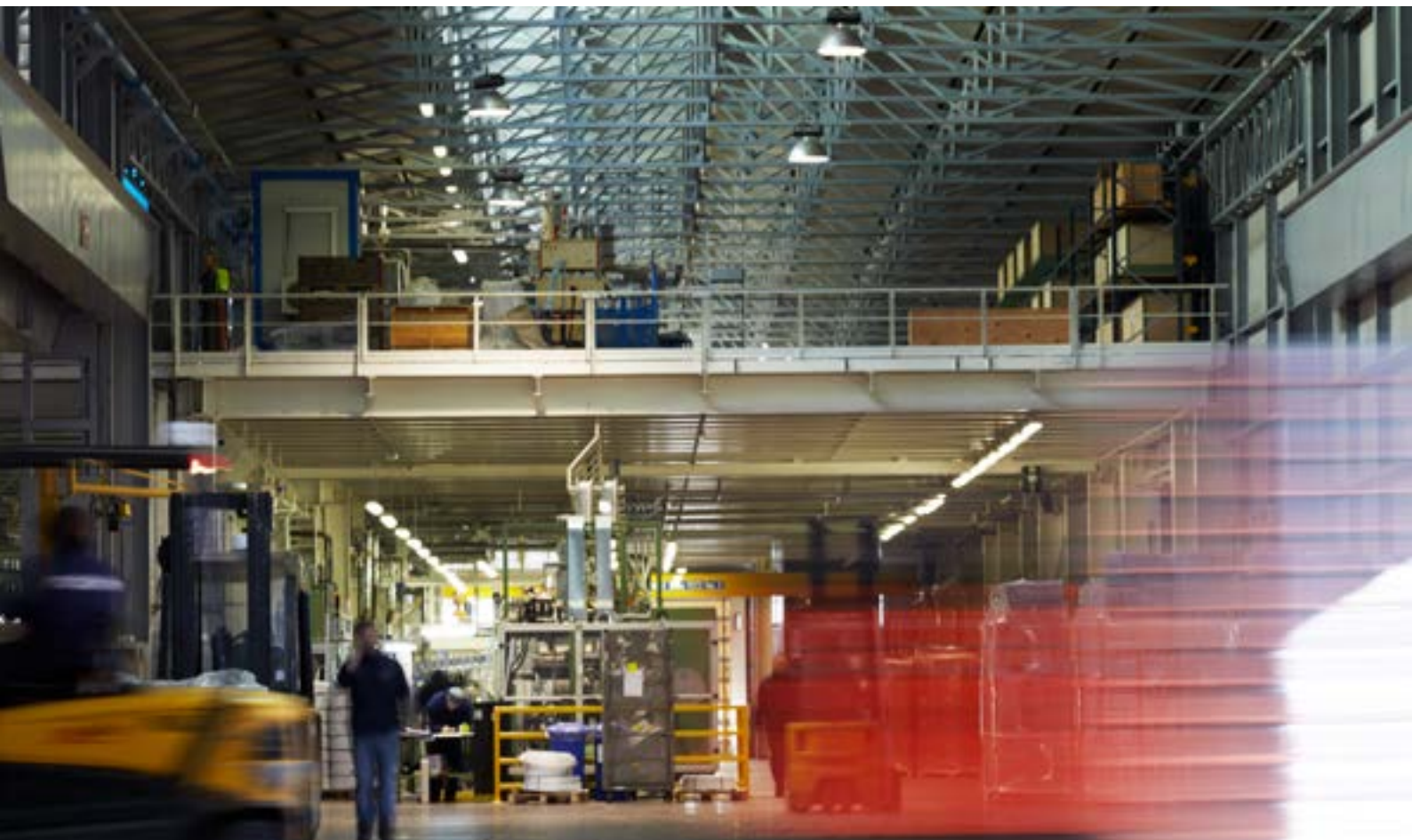
As in the case of **Product Line Calculator**, a plug-in for Revit that automatically generates calculations for the dimensioning of drainage systems according to UNI EN 12056-2.



Watch the video to discover how it works:

www.valsir.it/u/valsir-product-line-calculator

SERVICE ACCORDING TO VALSIR



More than just added value, a way of being.

Our services are not just the latest in a sequence of processes, they are our window on the world. We relate to the market not only through the quality of our products but also with our speed, punctuality and reliability.

The Vobarno logistics hub allows us to process any order in an average time of 3.5 days. Although we always channel sales through our extensive dealer network, we also deliver directly to construction sites. This means we can avoid unloading and reloading goods at retail outlets and help keep costs down for the customer.

Because nothing is more important than the people we work with.



Average time to fulfil an order 3.5 days



Delivery service to the construction site



90% of complete orders fulfilled by the scheduled date

SOME OF OUR INSTALLATIONS



AlbinoLefte Stadium (Zanica, Italy)

Valsir is present with its systems in international projects which vary in both nature and complexity.



Clot Tower (Andorra La Vella, Andorra)



Crowne Plaza Dubai Marina (Dubai Marina, UAE)



Ana Tower (Bucharest, Romania)



Rimac Campus (Zagreb, Croatia)



Riyadh Metro (Riyadh - Saudi Arabia)



Showroom Tesla (Prague, Czech Republic)



Batumi Arena (Batumi, Georgia)



Brisbane 1 (Queensland, Australia)



Phoenicia Royal Hotel (Constanta, Romania)



Iconsiam residence (Bangkok, Thailand)



Southbeach residences (Singapore, Singapore)



Turkey Central Bank - new offices (Istanbul, Turkey)



We like what we do.

Our proposals for **drainage** include solutions in high-density polyethylene, such as **HDPE**, and in polypropylene with mineral filler additives, to obtain a sound-insulating mixture adopted in the **PP3®**, **Triplus®**, **Silere®** and **Blackfire®**, as well as **White Marine**, dedicated to the naval sector.

For the water supply (and for radiant heating and cooling) we have a wide range of pipes and fittings for the **Pexal®**, **Mixal®** and **Thermoline®** systems. The same technology is also applied in the distribution of combustible gas, with the **Pexal® Gas** system.



Download the product brochure:
www.valsir.it/download



Rainplus®, on the other hand, represents the most advanced technology for siphonic drainage systems of rainwater.

In heat recovery ventilation systems (**HRV**) for the residential sector, we offer a comprehensive selection of solutions including the **AriaSilent** distribution system and the ventilation unit **Ariosa HV**.

The concealed flush cisterns, **Tropea S**, **Cubik S** and **Winner S**, also benefit from our know-how in soundproofing materials, and are a water-saving resource.

To complete the range, we also have **push plates**, with over 300 models, and the **Ariapur** ventilation system.

For the world of construction and the bathroom environment, we have developed a system of storage walls (**MFV**) and a series of products to create the most suitable **floor-level shower** for every context.

Lastly, our range for **sewer systems** consists of polypropylene pipes (**PPEcoforte®**) and fittings (**PVC Basicline**), as well as technical solutions such as **Polimask™**. Furthermore, we have designed a wide range of products for **waste water treatment and rainwater harvesting**.



BLACKFIRE



- Excellent behaviour in the event of **exposure to fire**, which allows for **class B1** according to DIN 4102-1
- Wide **range** of pipes from **Ø 32 mm to Ø 160 mm**, complete with fittings and accessories
- Remarkable **soundproofing performance**: the system's characteristics allow for noise levels of **16 dB(A)** at flow rates of 2 l/s according to EN 14366
- Excellent **UV resistance**
- Extremely **quick and extremely** easy to install
- **White internal layer** facilitates **video inspection operations**

TRIPLUS



- Excellent **soundproofing performance**. Thanks to its characteristics the system has noise levels of **12 dB(A)** at flow rates of 2 l/s according to EN 14366
- High **mechanical strength** even at low temperatures **down to -25°C**
- Extremely **quick and extremely** easy to install
- Wide **range** of pipes from **Ø 32 mm to Ø 250 mm**, complete with fittings and accessories
- Product certified by the **Green Building Council of Singapore**

SILERE



- Top of the range **sound insulation performance**, with noise levels of only **6 dB(A)** at flow rates of 2 l/s according to EN 14366
- Wide **range** of pipes from **Ø 58 mm to Ø 160 mm**, complete with fittings and accessories
- High mechanical strength even at low temperatures **down to -20°C**
- Extremely quick and extremely easy to install
- Excellent behaviour in the event of **exposure to fire**, which allows for **class C-s3,d0** according to EN 13501-1
- High **chemical resistance** to substances dissolved in civil and industrial waste water

PP3



- Good **sound insulation performance**, with noise levels of only **17 dB(A)** at flow rates of 2 l/s according to EN 14366
- Wide **range** of pipes from **Ø 32 mm to Ø 160 mm**, complete with fittings and accessories
- High mechanical strength even at low temperatures **down to -10°C**
- Extremely **quick and extremely** easy to install
- High **chemical resistance** to substances dissolved in civil and industrial waste water
- **White internal layer** facilitates video **inspection operations**

HDPE



- High **mechanical strength** even at low temperatures down to -40°C
- High **chemical resistance** to substances dissolved in civil and industrial waste water
- Excellent **UV resistance**
- Wide **range** of pipes, fittings and accessories from $\text{Ø } 32 \text{ mm}$ to $\text{Ø } 315 \text{ mm}$
- Product certified by the **Green Building Council of Singapore**

COLLARWINGS



- Fire stop collar that can be **installed on vertical walls or slabs, ventilated, non-ventilated and downpipes**
- Simple positioning and **easy installation** thanks to the **lever locking mechanism** and **pre-drilled base plate**
- **Resistance class EI240** in accordance with EN 1366-3 for **fire and flue gas resistance and thermal insulation** for at least 240 minutes (4 hours)
- Suitable for pipes (also soundproofed) made of PP, HDPE, ABS, SAN+PVC, C-PVC, U-PVC
- **Range** from $\text{Ø } 32 \text{ mm}$ to $\text{Ø } 315 \text{ mm}$

TECNOCOLLAR



- **Collars for pipes** with external diameter from $\text{Ø } 32 \text{ mm}$ to $\text{Ø } 315 \text{ mm}$
- **Fire classification** according to **UNI EN 13501**
- Suitable for **combustible pipes, even soundproofed pipes, cables and cable bundles, hollow spaces, insulated incombustible pipes**
- Innovative **intumescent graphite material**
- Ready to use, **immediate and simple installation with standard screws**

SIPHONIC DRAINAGE SYSTEMS



RAINPLUS



- **Space-saving** thanks to smaller pipe sizes and fewer captors required
- **Self-cleaning** conduits thanks to total pipe filling and the high speed flow
- **Facilitates the collection of rainwater for reuse**
- **Better design flexibility** with remarkable freedom in defining and designing the system
- Significantly **quicker installation** and reduced masonry work

FLUSHING SYSTEMS



FLUSHCISTERNS



- **Excellent noise levels** thanks to the mineral filled polypropylene container
- Excellent **water-saving performance** (up to 4/2 litres)
- **Can be combined with the Ariapur odour extraction system**
- Versatile, thanks to **several installation possibilities** (wall, Fixsystem, Block or free-standing)
- **Operable with mechanical, pneumatic or electronic plate** and easy to convert
- Availability of **exposed cisterns** with anti-condensation liner, low noise and innovative design

MOUNTINGFRAMES



- **Corrosion resistant**, thanks to the protective coating
- Available with **different installation heights** to fit in perfectly with any setting
- Suitable for installation in masonry, plasterboard or wooden walls, and for surface-mounted or wall-hung WCs, bidets, washbasins and urinals
- **Block frames can withstand a load of 400 kg**

PLATES



- Available in **mechanical, pneumatic and electronic versions**
- Hundreds of **combinations are available** with Valsir Design plates
- **Can be combined with the most modern finishes**, thanks to new colours
- **Can be customised**
- **Tested with over 200,000 cycles** for unparalleled reliability

ARIAPUR



- Extremely effective in **removing odours and moisture**
- **Can be combined with Valsir concealed cisterns**
- **Suction flow rates** can be set from **65 to 100 m³/h**
- Available in **Ariapur80** and **Ariapur100Led** models and new **Ariapur80T** model
- Suitable for any context and style thanks to the **minimalist design** and the **paintable plate**

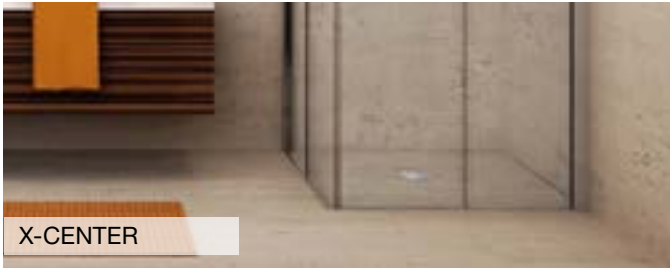
BATHROOM SYSTEMS



X-WALL



- Excellent **flow rate and odour resistance**
- **Stainless steel grid with polished or matt finish**, adjustable according to the thickness of the wall cladding
- **Water drain connection on the right or left** according to installation requirements
- One model for **three types of installation**: masonry walls, plasterboard walls and with the Valsir MFV system
- **ABS trap body** for excellent adhesion to the sealing guards; **waterproofing sheet and attachment tabs to supports included**



X-CENTER



X-CENTER70



X-BORDER



X-CORNER

- Highly **aesthetic solutions**, suitable for realisations in line with the latest design trends and perfect for optimising the space of any bathroom, **improving accessibility**
- **Shower trays based on shaped EPS panels with the ideal slope for correct water drainage**
- Multiple customisation options thanks to the **wide range of sizes available** and the **wide choice of stainless steel grids**, square or rectangular, available in different finishes (or can be tiled for an attractive concealed effect)
- Ideal for **new builds or renovations**, even as a replacement for the bath
- High drainage capacity and simplified maintenance thanks to the **complete serviceability** of the trap and all internal components

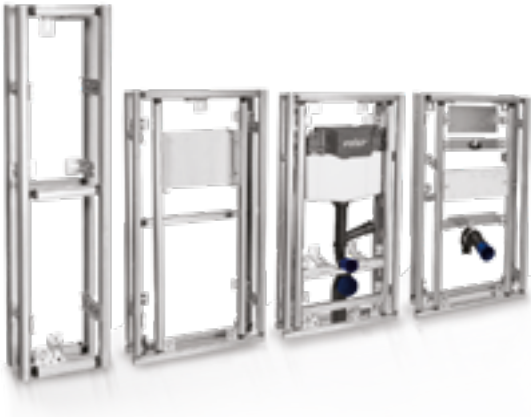


- Stainless steel grids with **refined design** and available in **lengths of 300, 700, 800, 900, 1000, 1200 mm**
- Possibility of **customising the grid design**
- Grid support height adjustment (7 to 15 mm) and ABS trap body (from 111 to 143 mm)
- **Drainage flow rate of 40 l/min**
- 50 mm of liquid seal for an effective **barrier against unpleasant odours**



- Suitable for both **new builds** and **renovations**
- Suitable for building both **partition walls** and **supporting structures**, it can be used for the construction of any type of wall
- Possibility of **prefabricating the technical wall**, **reducing work time on site**
- Possibility of **integrating the structure with the waste/drainage systems** of the Valsir ranges
- Support for **3D design** thanks to the Autodesk Revit® series

MFV MODULES



- **Ideal for minimally invasive renovations**
- **Standardised modular solutions to speed up wall construction**
- **Installation in just a few steps**
- Adjustable depth
- **Several modules can be combined** to create a complete bathroom

TRAPS

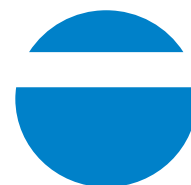


TRAPS



- **Complete range** to complement HDPE and PP drain lines, **to suit any type of installation**
- **Lowered systems** for easy installation even where space is limited
- Each system consists of a **trap and PVC sheet for waterproofing**
- **Functional, innovative design and complete serviceability**
- Made with **technologically advanced materials**

WATER SUPPLY SYSTEMS



PEXAL



- Resistant to **high temperatures and pressures**, thanks to the advantages associated with the interaction of the composite materials of the multilayer system
- Significant **physical and chemical resistance** also to dissolved substances in pipes
- **Ranges** which are among the most **complete** on the market: from **Ø 14 mm to Ø 110 mm**
- **Extremely low thermal expansion** compared to any plastic solution
- **Universal product, suitable for multiple applications:** water distribution, heating, cooling, refrigeration and industrial plants

MIXAL



- Resistant to **high temperatures and pressures**, thanks to the advantages associated with the interaction of the composite materials of the multilayer system
- Significant **physical and chemical resistance** to dissolved substances in pipes
- **Great flexibility facilitating bending, excellent shape stability**
- **Extremely light** compared to any metal pipe with the same dimensional characteristics
- **Extremely low thermal expansion** compared to any plastic solution
- **Range from Ø 14 mm to Ø 32 mm**

THERMOLINE



- Extremely **light**, great **flexibility** and **excellent elastic memory**
- Significant **chemical resistance** to dissolved substances in pipes
- **Resistant to high temperatures**
- Ideal for **floor heating and cooling systems**
- Certified for **transporting potable water** (check the approved countries on the website www.valsir.it)
- **Range from Ø 12 mm to Ø 25 mm**

PEXALBRASS



- A wide **range** of pipes with fittings and accessories from \varnothing 14 to \varnothing 90 mm
- **Several pressing profiles accepted in the same fitting**
- **Leak before pressing**
- Double O-ring for **hydraulic sealing**
- No welding or glue needed during installation

BRAVOPRESS



- Significant **chemical resistance to dissolved substances in pipes**
- **Several pressing profiles accepted in the same fitting**
- **Leak before pressing**
- Double O-ring for **hydraulic sealing**
- No welding or glue needed during installation
- **Range from \varnothing 16 mm to \varnothing 63 mm**

PEXALXL



- Extremely **light** thanks to the properties of the PPSU
- Significant **chemical resistance** to dissolved substances in pipes
- Modular structure allowing **great installation flexibility** with the use of just a few items
- Simplifies **bench prefabrication**, ideal solution for **installations at height**
- Only a **few items are needed to make all figures**, with obvious advantages for warehouse management
- **Dimensions \varnothing 90 and 110 mm**

PEXALEASY



- Significant **chemical resistance** to dissolved substances in pipes
- Wide **range** of diameters, from **Ø 16 mm to 75 mm**
- **Full flow** cross section with extremely low pressure drop. Ideal solution for compressed air systems
- **High resistance in saline environments:** all components are made of plastic material
- **Installation without welding or gluing**

PEXALTWIST



- High **mechanical strength**
- **All fittings can be disassembled and reused**
- **No special equipment required**
- No welding or glue needed during installation
- Double O-ring for hydraulic sealing
- **Range from Ø 14 mm to Ø 32 mm**



PEXALGAS



- Complete system consisting of **pipes and fittings**
- **Extremely wide range**, with metal fittings, to meet any requirement
- **Extremely light** compared to any metal pipe with the same dimensional characteristics
- **Quick and easy installation**
- No welding or glue needed during installation
- **Range from Ø 16 to Ø 75 mm**

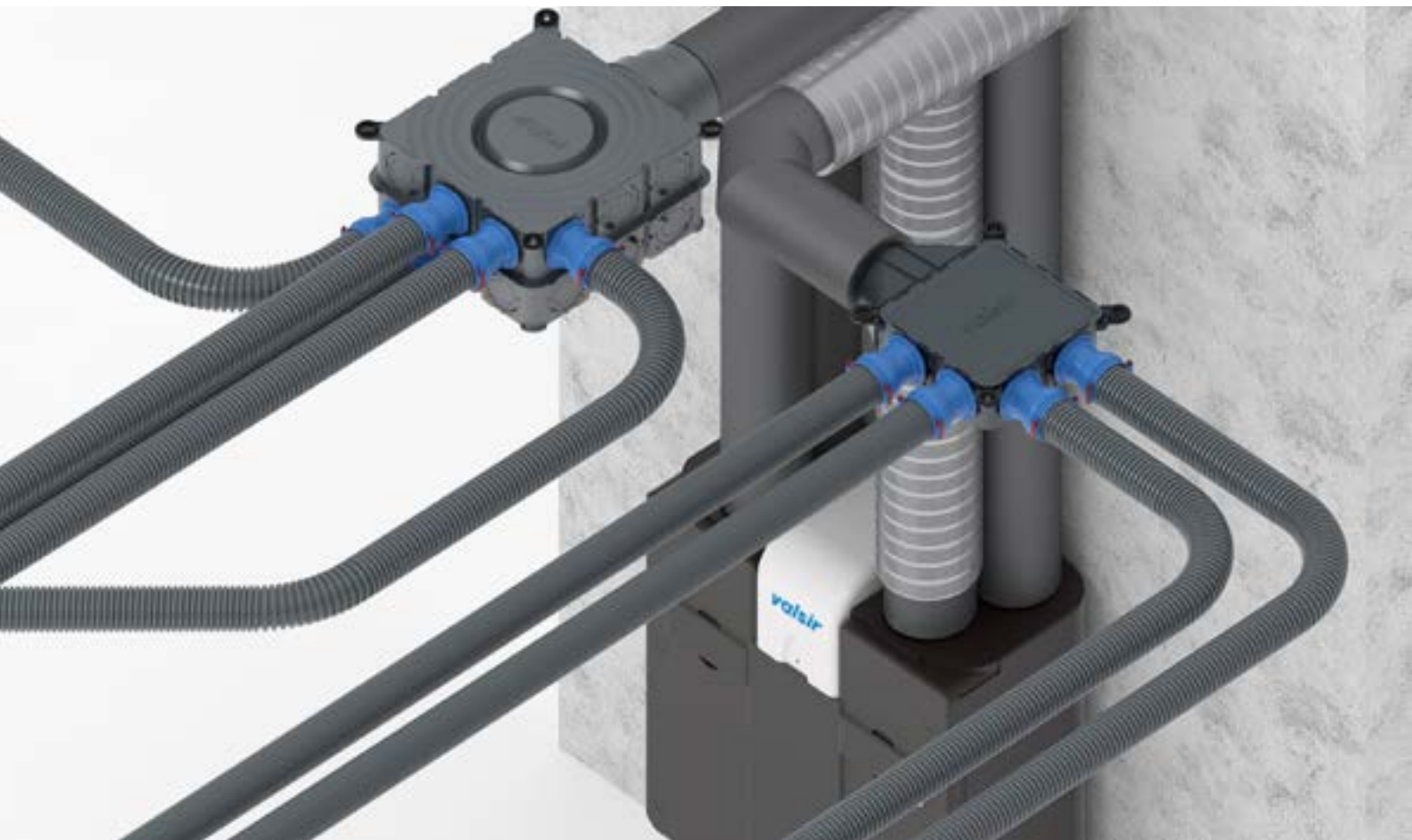


RADIANTSYSTEMS



- Solutions for **floor heating and cooling**
- Panels suitable for any type of installation, with **thickness from 0 mm to 60 mm**
- Ideal systems for both **residential and industrial applications**
- **Modular mixing and heat transfer units** for the heat transfer fluid available both as manifold and central heating units
- Complete solution of **temperature and humidity control systems**, with **Smart App** for remote control

HRV ARIASILENT SYSTEM



ARIASILENT



DISTRIBUTION SYSTEM

- Complete air distribution solution with **3 sizes of corrugated round pipe and 2 oval pipes**
- Fully **antistatic and antibacterial** for perfect air quality
- **Easy, convenient and safe installation** thanks to innovative plastic components
- Developed in **accordance with UNI EN 17192**
- The system is designed to make any installation quick and easy with a **reduced number of components**

ARIOSAHV



- **Small overall dimensions** for installation in any context
- **Maximum efficiency with the possibility of sensible or enthalpy heat exchanger**
- **Constant flow fans 170 and 250 m³/h** depending on the model
- **Advanced and smart management** via LCD panel or App
- **High energy saving performance** with >90% efficiency

HRVSYSTEMS



MACHINES

- A complete range for **residential applications** up to 600 m³/h flow rate
- Can be **installed either vertically or horizontally within a false ceiling**
- Maximum **energy efficiency** thanks to heat recovery
- Range consisting of **units with and without dehumidification treatment**
- **Extremely low consumption and noise levels** for maximum living comfort

BREZZA60



- **Ideal solution for air exchange** in individual rooms
- Equipped with a **twilight sensor** for speed reduction at night
- **Maximum air flow rate of 60 m³/h**
- Equipped with **high-efficiency ceramic heat exchanger**
- **Adjustable action** in relation to humidity and CO₂ concentration

SEWAGE SYSTEMS



PPECOFORTE



- **Triple-layer PP pipes with additives** to increase mechanical performance
- Wide range of **diameters, from 110 to 500 mm**
- Available in **SN classes 4-8-12-16** for high crush resistance; **unaffected by UV exposure**
- Can be **buried both inside and outside buildings**
- **Compatible with other Valsir pipe product ranges**



- **U-PVC fittings**, colour RAL 8023
- Ideal complement to the PPEcoforte range, with a **wide choice of configurations**
- **Diameter range available from Ø 110 to Ø 500 mm**
- Exceptional **chemical resistance** to the action of acid and alkaline solutions, gases, mineral and organic substances dissolved in the effluent
- Extremely **light** compared to similar solutions



- Guarantees **hydraulic tightness between pipe bundles and inspection chambers**
- Suitable housing for the installation of a **bentonite gasket**
- Available with **8 connections with Ø 110 mm**
- Available with **sockets with sealing element for connection** to any pipework of Ø 110 mm
- **Horizontal and vertical positioning and modular design** allowing several Polimask to be connected together

SEWAGE SYSTEM ACCESSORIES



- Complete range of **accessories for sewer systems**
- Manholes and inspection chambers in **rotational moulded high-density polyethylene**, which combines **light weight** with high mechanical and chemical resistance
- **Monoblock inspection chamber with up to three inlets**, with Ø 160-200 mm
- **Inspection chambers with up to 5 inlets**; maximum height 5 metres plus possible extension
- **Chambers are equipped with steps for easy access**

CONNEX® CONNECTION JOINTS



- **Universal connection** to PE, PVC and PP
- Ideal for **connecting a new sewer section to an existing one**
- Suitable for **inlet pipes of Ø 160 to Ø 200 mm**, and for connection to **existing pipes of Ø 200 to Ø 1530 mm**
- Offset possible up to $\pm 11^\circ$
- Made of **PVC with double seal** for maximum safety

FABEKUN® CONNECTION JOINTS



- Ideal for **connecting new sewer sections to pipes with concrete, stoneware and metal walls**
- **Flat surface version** available, ideal for connecting to manholes, inspection chambers and any building structure with a flat surface
- Suitable for **inlet pipes of Ø 160 to Ø 200 mm**, and for connection to **existing pipes of Ø 250 to Ø 2400 mm**
- **Offset possible up to $\pm 13^\circ$**
- Can be used for **new or existing systems**

VPC® CONNECTION JOINTS



- Ideal solution for **butt connection of two different pipes**
- The housing is made of **two stainless steel bands**
- **Tightness is ensured with an EPDM sleeve**
- Depending on the diameter, **it can extend from a minimum of 30 mm to a maximum of 70 mm**, with a **maximum offset of $\pm 3^\circ$**
- **Maximum pressure 2.5 bar**

WATER TREATMENT



PRIMARY TREATMENT SYSTEMS



- Complete solution for primary effluent treatment
- Capacity up to 100 Equivalent Persons (EP) and volumes up to 12,000 litres
- Complies with the requirements of Italian Legislative Decree 152/2006
- Wide range of **horizontal and vertical tanks**
- Rotational moulded HDPE is used for production for **higher mechanical** and **hydraulic sealing quality**

SECONDARY TREATMENT SYSTEMS



- Complete solution for secondary effluent treatment
- Capacity up to 65 Equivalent Persons (EP) and volumes up to 12,000 litres
- Complies with the requirements of Italian Legislative Decree 152/2006
- Wide range of **horizontal and vertical tanks**
- **Wide choice of treatment:** percolating filters, low- and medium-load activated sludge plants

RUNOFF RAINWATER TREATMENT SYSTEMS



- Complete solution for run-off rainwater treatment
- Maximum single tank capacity of up to 12,000 litres
- Gravimetric or coalescing filter de-aerators, NS up to 50
- Wide range of **horizontal and vertical tanks**
- **Plant configurations** with continuous and accumulation treatment have already been proposed, with total volumes up to 50,000 litres

LIFTING STATIONS



- Lifting stations suitable for grey, black and runoff water
- Storage volumes up to 3,500 litres
- Possibility of using one or two electric pumps
- Electric pumps with cast iron casing and solid impeller; choice of **back-mounted, multi-channel or grinder impeller**
- **V50** model, under-sink lifting station

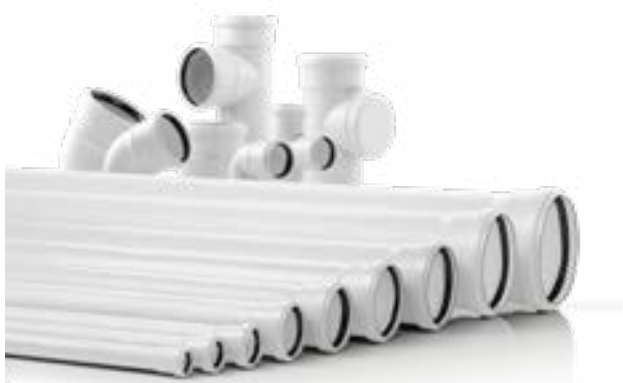
SLOTTED PIPE



- Slotted version of the PPEcoforte system for **sub-dispersion of treated waste**
- Available with **classification SN 4-8**
- **Diameter range available from Ø 110 to Ø 500 mm**
- Customisable slot thickness, longitudinal development and pitch
- **Opening ratios also exceeding 7%**



WHITEMARINE UV RESISTANT



- **Exceptional UV resistance** allowing for outdoor installation
- Outstanding **resistance to salt** compared to metal systems (stainless steel and galvanised steel)
- Total water tightness of the connections, thanks to the **pre-mounted elastomeric seal** (from 1.5 mbar to -800 mbar)
- White Marine is 3 times **lighter** than stainless steel and 4 times lighter than galvanised steel
- High **impact resistance** at low temperatures (**down to -25°C**)
- Wide range of **diameters, from 40 to 250 mm**

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WASTE SYSTEMS



SUPPLY SYSTEMS



GAS SYSTEMS



FLUSHING SYSTEMS



BATHROOM SYSTEMS



TRAPS



RADIANT SYSTEMS



DRAINAGE SYSTEMS



HRV SYSTEM



ACADEMY



SEWER SYSTEMS



WATER TREATMENT



valsir[®]
QUALITY FOR PLUMBING



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