



MFVSYSTEM

**Fast and easy installation
system for sanitary fixtures**

valsir®
QUALITY FOR PLUMBING

MADE IN ITALY





A new construction technique

The construction world is undergoing continuous evolutions and today the use of equipped walls in addition to the building structure is becoming increasingly predominant, allowing the creation of concealed installations in a rapid, simple and clean manner.

The MFV system allows the installation of light load-bearing equipped walls and partition spaces for the renovation of existing bathrooms or the creation of completely new bathrooms.

So an old bathroom can be refurbished or a new one can be created easily, rapidly and economically as compared to traditional renovations that involve construction work.



The MFV system consists of a steel load bearing structure with latching mechanisms and fixing devices.

MFV is designed in such a way that no special tools are required during installation.

The use of just 4 accessories allows the creation of personalized solutions for the installation of WC pans, bidets, washbasins and Ariapur.

MADE IN ITALY



RAPID AND SIMPLE INSTALLATION



Rapidity: this product provides significant time saving during installation thanks to the rapid coupling devices.



Installation work is performed independently by the plumber, from structure installation to wall finishing.



Extreme cleanliness on site: no demolition or restoration work required.



Complete range of accessories to provide maximum customization.



Easy to install: no special tools required for installation.



System versatility: the MFV system is universal and can be installed on any wall type and with an infinite number of configurations.



7 international patents, for an innovative and advanced system.



Valsir technical support during planning and on site.

Patented simplicity

The latching mechanism is the core of the system. It allows the MFV system to be assembled easily, rapidly and without tools.

The product is latched in position manually by means of a lever, which blocks the profiles, in a stable and precise manner.

This latching mechanism **allows an adjustment of over 15 mm to ensure the profiles are perfectly perpendicular.**

Once blocked, the latching mechanism can still be reused without compromising the mechanical resistance.





WHY CHOOSE THE MFV SYSTEM



Phase 1

During this phase, the system does not require any brickwork.

The structure is positioned by the plumber **without breaking the walls or the floors**, simply by means of anchor holes which secure the MFV structure to the existing wall.

Debris, dirt and all the work usually associated with brickwork is therefore avoided.



Phase 2

Once the MFV frame is in place, **the structures are positioned inside and the hydraulic system is installed**. The Valsir MFV system offers two possible solutions: the use of specific structures with the MFV/S1 model, or the use of the Block structures with the MFV/S2 model.

On both the MFV/S1 and MFV/S2 models installation of the structures **is facilitated as compared to standard installations** because the patented latches allow the **installation to be performed by one person only**.



Phase 3

Once the installation has been completed, the frame is then covered with plasterboard as well as any other finishing materials and **the sanitary fixtures are secured**.

After **only a few hours** after starting the work **the bathroom is ready to be used**.



MFV, THE SOLUTION FOR ALL APPLICATIONS

Not just hotels

Simplicity, flexibility and, most of all, **installation rapidity**.

For applications with a high frequency usage rate such as hospitals, nursing homes and apartments, the system **allows time saving during installation**, getting the job done quicker and optimizing timeframes.

The MFV system allows the construction of partition and perimeter walls, loadbearing and non-loadbearing, with dimensions and shapes that can be adapted to all circumstances to meet the design requirements of architects and interior designers.

Thanks to the MFV system, on-site installation has never been that easy and fast.

Walls for all requirements

MFV is the dry construction system par excellence in terms of flexibility, speed and installation simplicity.

By using the MFV system, walls can be installed in both existing and new buildings and adapted to all design requirements, guaranteeing fire resistance and total insulation against noise.

By using the accessories that are part of the system and enhance the product line, **the wall can be equipped with anti-vibration collars and soundproofing material** thus obtaining total acoustic insulation.

By using the MFV system, fully equipped and independent partition walls and cavity walls can be created at any height and with no limits whatsoever.





Locations with a high frequency usage rate

In the case of bathrooms with a high frequency usage rate such as in public places and centres, frequent maintenance or renovation of the rooms is often required due to wear and tear.

In such cases MFV is the right solution.

The system allows **the installation in bathrooms in series in the shortest timeframe possible**, guarantees **total accessibility of the systems**, and, when renovating, the MFV frame does not need to be replaced but it is sufficient to install the new panelling.





Not only equipped walls for WCs but also urinals and washbasins.

Thanks to the complete range of accessories available, **the MFV system satisfies all system requirements**, simplifying installation and always guaranteeing a rapid execution, reducing waiting and intervention time.

This is a fundamental aspect in renovation jobs with **high frequency usage** where the interruption of hygienic services and consequent disruption for the clients of the areas undergoing renovation need to be avoided.

By using the rapid coupling devices, the finishing panels can be fit directly to the MFV structure reducing installation time by over 50%.

The realization or renovation of bathrooms with high frequency usage is now practical, simple and fast.



An unrivalled range of buttons for locations with high frequency usage rate

The Valsir range of buttons for centres and bathrooms with high frequency usage rate was studied and designed to meet all requirements. So we have **dual flush buttons for the visually impaired, protruding dual flush buttons for people with disabilities and electronic actuators with sensors in the Infrarossa range.**





Before



After

TOP-NOTCH RENOVATIONS!

Renovation work is demanding, requires a lot of time, generates discomfort and involves different professionals on the building site.

The MFV system significantly simplifies renovation work within the bathroom.

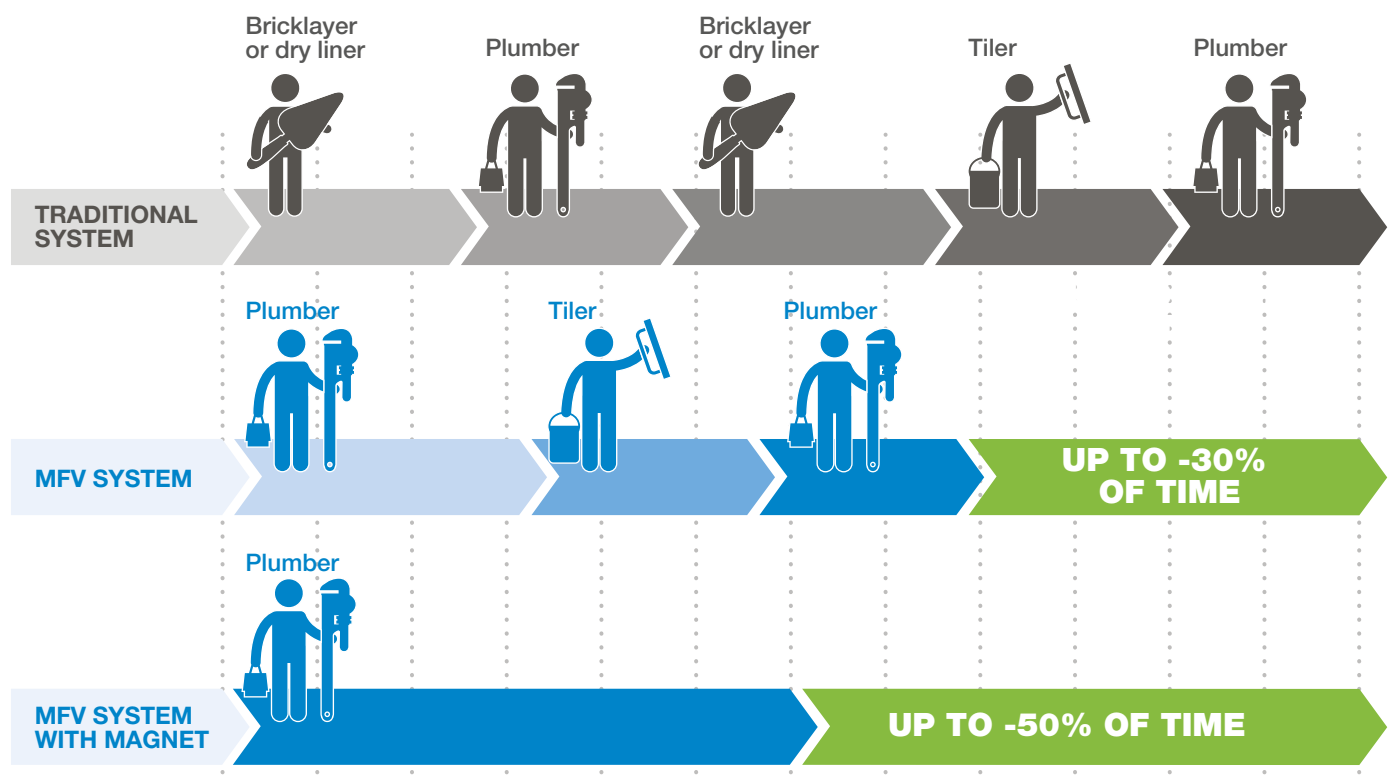
The system is installed up to 50% quicker than other traditional systems that require brickwork and it is much more flexible than a traditional dry construction system; **it doesn't require demolition work thus significantly reducing cleaning operations.**

Flexibility and the **wide choice of accessories** allow architects and interior designers to create all surroundings **adapting the system to the various project requirements.**

The advantages are:

- The job is carried out by one person only: the plumber.
- All debris and dust on site are eliminated since no demolition work is required for installation of the system.
- Idle moments are avoided because the MFV system involves dry construction only.
- On-site modifications are facilitated thanks to the rapid latching mechanism that is easily repositioned.
- Walls are accessible thus guaranteeing simplified maintenance over time.

These characteristics make the MFV load-bearing dry system the quickest to install on the market.



m. 004 VALSIR PEX

m. 004 VALSIR PEXAL 40x3

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ACCESSIBILITY

An important feature of the MFV system is the total accessibility of the system installed inside the wall.

This is an important advantage over brickwork systems since the plumbing systems are immediately accessible at any time.

The cover panels can be made of any material such as plasterboard or other **more innovative materials** thus allowing architects and interior designers to propose new and creative solutions while guaranteeing technical performance.



The simplicity of the magnet

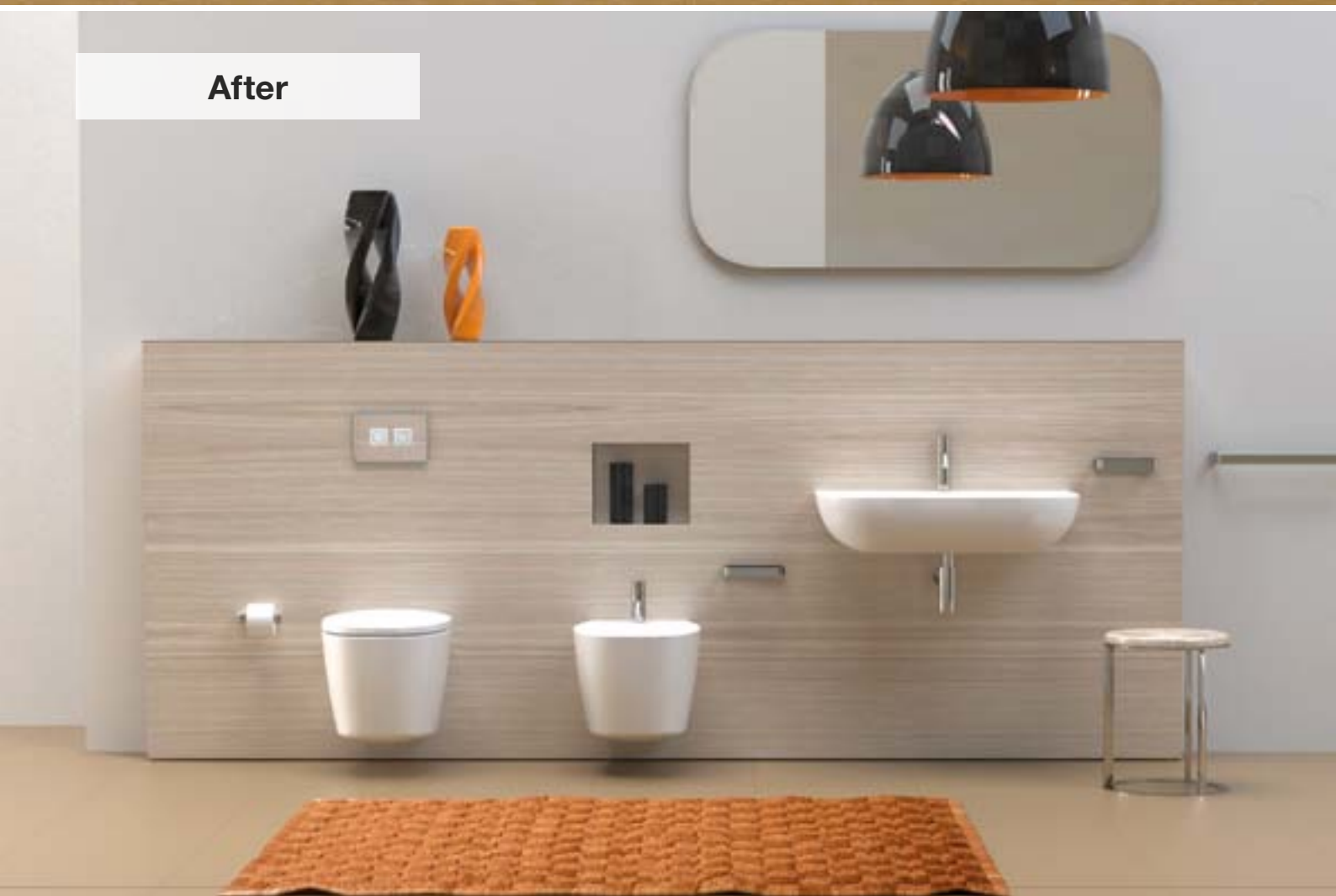
Among the fixing materials used to attach the panels to the MFV system, **Valsir proposes the magnet fixing system**, which is one of a kind. Together with the accurate study of the accessory, the magnetic force guarantees the panel is securely fixed to the MFV structure and at the same time **allows total accessibility of the wall**. **In this way, the covering can also be changed quickly and easily**: no demolition, no dirt or debris.

To put it simply: the sanitary fixture is removed, the cover panels are unfastened, the systems inside the MFV wall are inspected and the panels with the new covering are installed. The bathroom is ready.





Before



After

MFV/S1 MODEL

The main characteristic of this system is that all the **structures** used for the installation of the sanitary fixtures are **made specifically for MFV/S1** and the frames are fixed with rapid systems.

The frames of the sanitary structures **are made entirely of galvanized steel** and the top part incorporates a rapid anchor system that, by means of a lever, allows it to be positioned simply and rapidly and then adjusted in height.



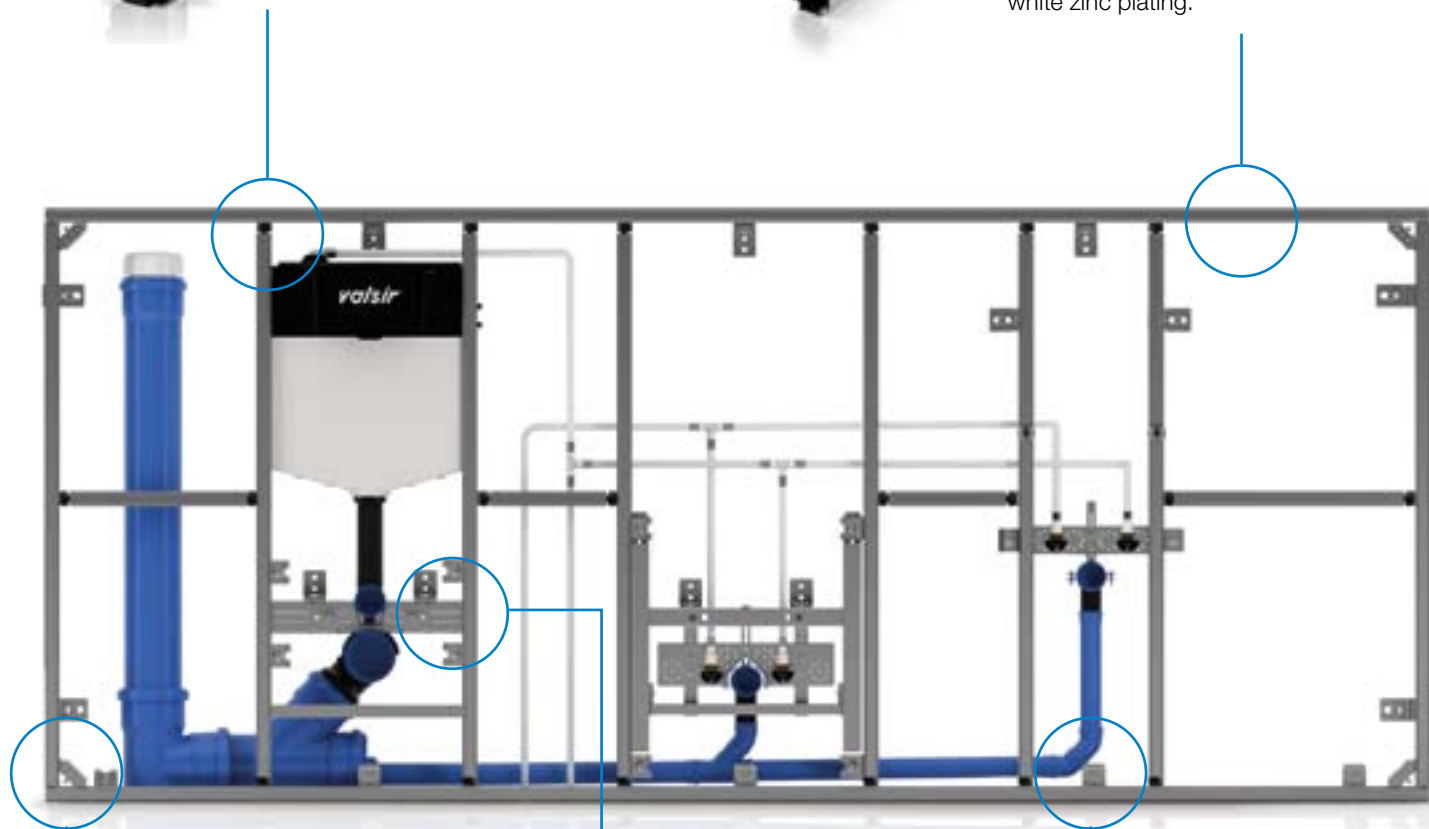
Latching mechanism

The MFV system involves insertion of the latching mechanism with two locking positions: on the outside of the profile in the upper part and on the inside in the lower section.



Steel profile

The profile is made of high-strength steel. The dimensions are 33x33 mm and it is 1 mm thick. The profiled tube is supplied in 5 metre straight bars. The surface treatment consists of a white zinc plating.



Steel corner

The brand new steel corner for MFV bars allows the joint between two bars at 90° or even 45°, it has two screws to hold the rails together tight, thus enhancing the mechanical resistance of the whole frame.



S1 model for MFV system

The structure frame is made entirely of galvanized steel and incorporates a top rapid anchor system for a simplified adjustment.

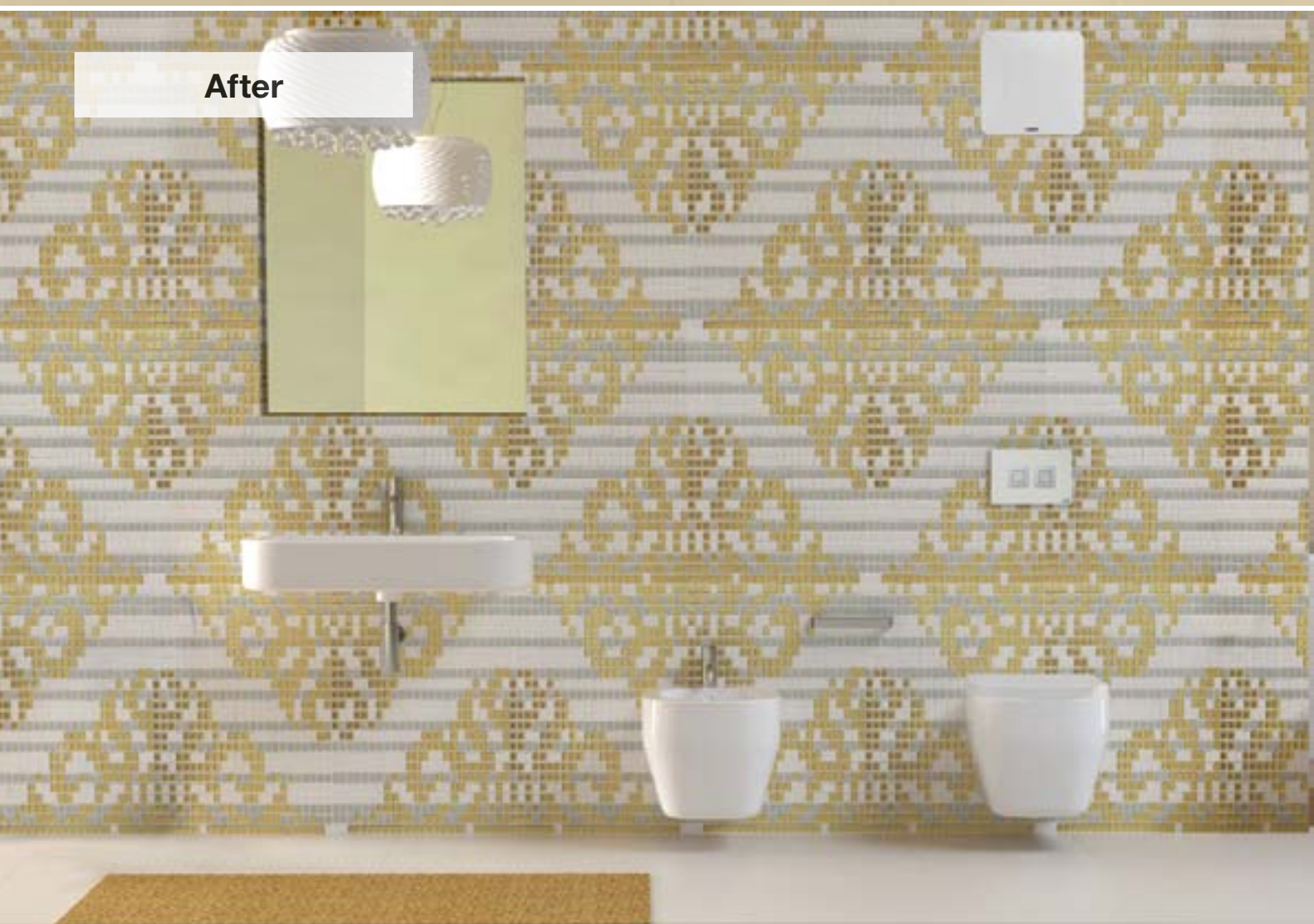


Fixing system

The floor and wall fixing system allows the structure profile to be anchored solidly to the wall and floor rapidly and easily.



Before



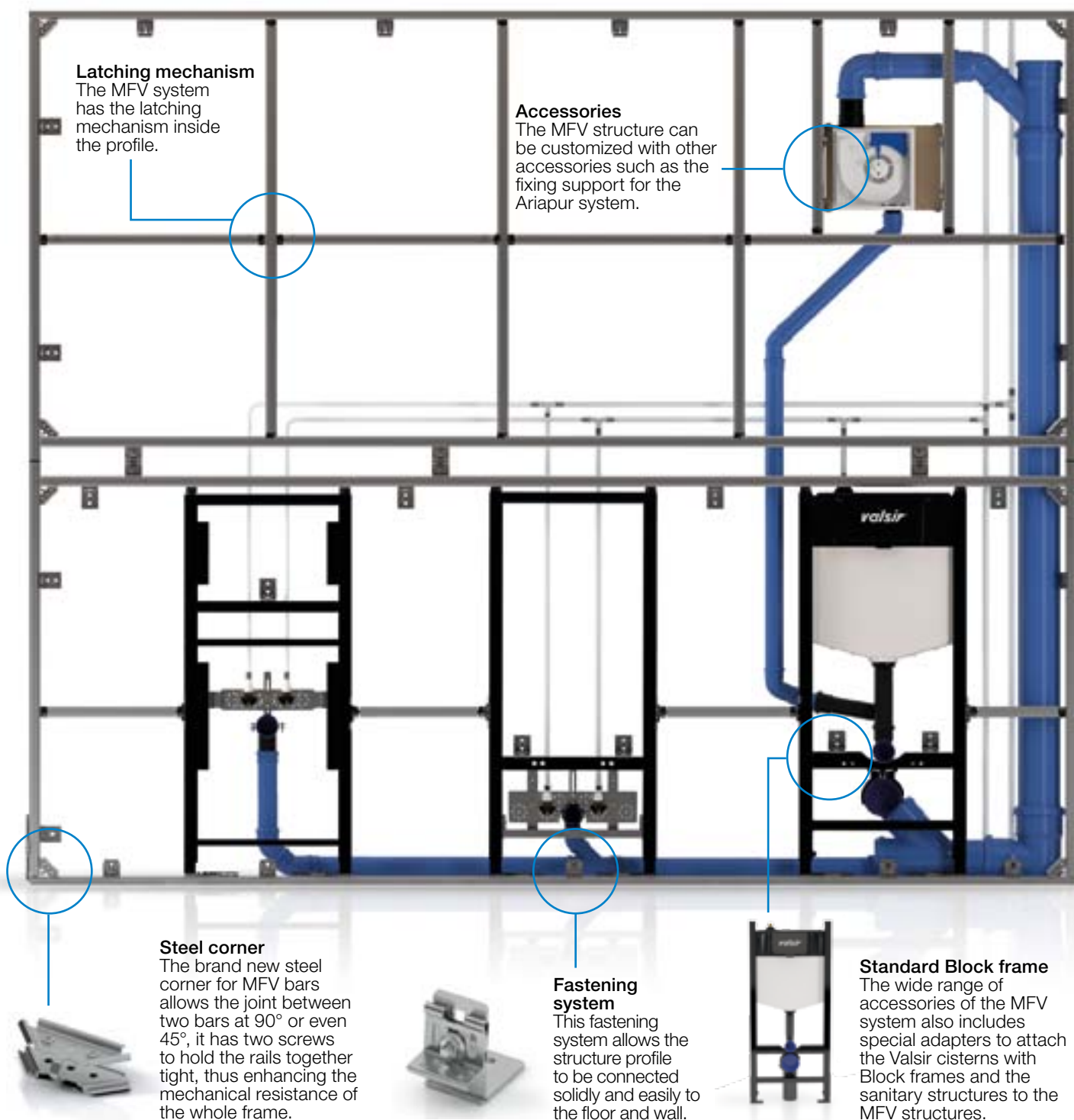
After

MFV/S2 MODEL

The MFV/S2 model is characterized by the integration of the Valsir Block frames inside the MFV system.

Thanks to fixing mechanism in the lower part of the sanitary structures and a series of fixing systems

using levers and/or clamps in the terminal area of the profile it is possible to use the existing Block structures inside the system **guaranteeing easy and rapid attachment without the use of special tools.**





ACCESSORIES

The MFV range of **accessories is one of the widest on the market** and allows maximum installation and finishing flexibility.

The range also includes the **latching system for the Ariapur odour extractor fan, for the collector pipes and for the handrails** provided for disabled users.

Spacers and anti-vibrations seals are also supplied, as well as all the accessories required to guarantee maximum installation flexibility.

The system is designed to provide rapid and simple installation: **no special tools are required for installation.**

Maximum choice of coverings

Once the MFV structure has been installed, the magnetic devices allow maximum customization of the bathroom.

A reference plate is applied to the chosen covering panel, which is then attached to the MFV tubular structure.

In this way not only are new installations performed rapidly but it is also possible to renovate the bathroom economically, easily and without breaking walls.





CUSTOMER SERVICE

Technical support

Valsir provides complete support during design and on site, thanks to a high-level technical department that consists of a team of engineers with international experience that are capable of providing solutions to all installation needs.



Valsir Academy

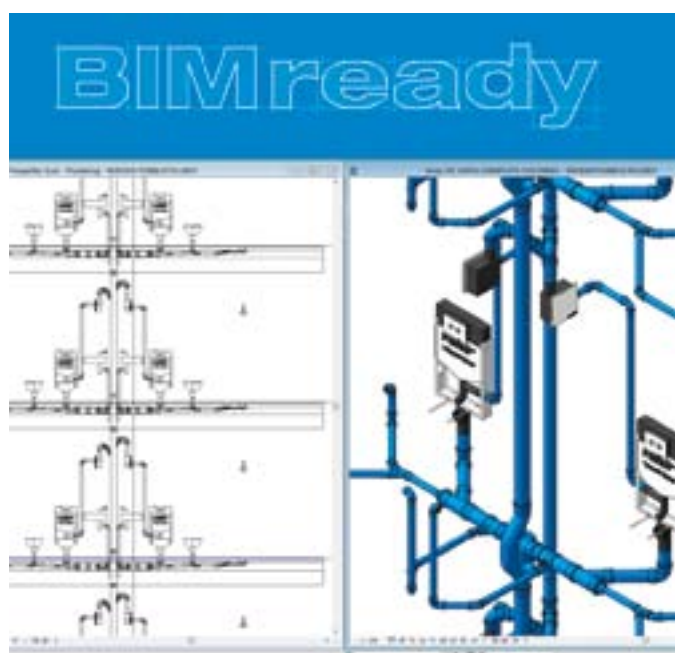
Valsir has an important training facility - **Valsir Academy** - dedicated to clients, distributors, plumbers and planners that provides perfectly equipped courses, theoretical and practical courses on the use and the design of plumbing and heating systems. Courses are provided both inside the training facility and on customers' premises.

SOFTWARE

Silvestro software

The design of floor and radiator heating systems, water supply as well as waste and drainage systems, is extremely easy and the issue of the project technical documents is rapid when using the Silvestro software program. Rapid, simple, unique, Silvestro has numerous strong points:

- rapid learning curve thanks to a simple and intuitive interface
- completely graphic background that facilitates input of the project details
- automatic drawing of the loops in the floor radiant systems
- automatic repositioning of the stack points on the plan view
- generation of calculation reports that are exportable in an .xls format
- import and export of files in .dwg format
- immediate update of software with a guided procedure
- creation of complete bill of materials from the project files



Valsir is BIM ready

Valsir has embraced the BIM philosophy, the modelling process that allows the improvement of planning, design, construction and the management of buildings, concurring with the transition of the industry toward the digital representation of buildings. "BIM oriented" planning offers extraordinary competitive advantages: greater efficiency and productivity, fewer errors, less downtime, lower costs, enhanced interoperability, maximum sharing of information, a more punctual and coherent supervision of the project.

Valsir captures the essence of this system creating a series of Revit applications and models designed for simple and fast use.

QUALITY AND ENVIRONMENT

Quality

The constant commitment of Valsir in the production of quality products is attested by over **200 product approvals** obtained throughout the world by the most stringent certification bodies (data updated to 01/02/2021), by a Management System of the Quality (QMS) certified in compliance with the **UNI EN ISO 9001:2015** standard and the Energy Management System (SGE) certified according to the international standard **UNI EN ISO 50001:2011**. Valsir S.p.A. has further demonstrated its commitment to the environment by obtaining certification **ISO 14001:2015** on the Vestone production site.

Since 2019 an innovative and modern plant has also been built that, integrated with the already installed photovoltaic park, will be able to produce over 30% of the electricity needed for all Valsir plants. This is a Trigenerator powered by methane gas capable of producing electricity, steam and cooling energy.



Sustainability

Efficient processes and reliable products are no longer the only parameters used to perform an assessment of the quality of a company's conduct: the capacity of the company and its management to design and implement production process that are sustainable from an environmental point of view is of equal importance.

Valsir has started a project of Corporate Social Responsibility and has published its 3rd Sustainability Report that gathers facts and figures relating to the daily commitment of Valsir in terms of social, economic and environmental responsibility.



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