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**FIR Unico®**

The Box 5.0

The universal built-in system  
with 5 outlets.



# FIR Unico®

The Box 5.0

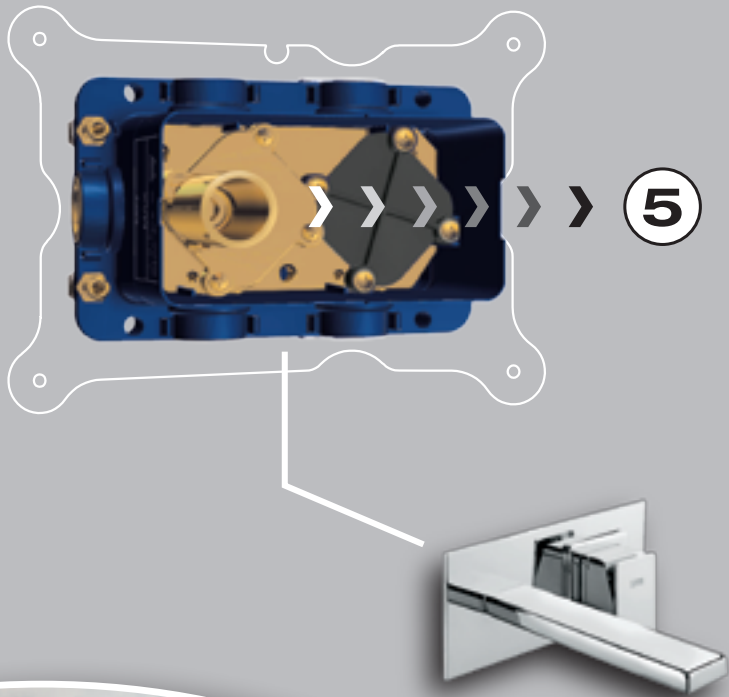
Fir Italia new universal built-in system with **5 outlets**.

A single built-in system for all solutions.



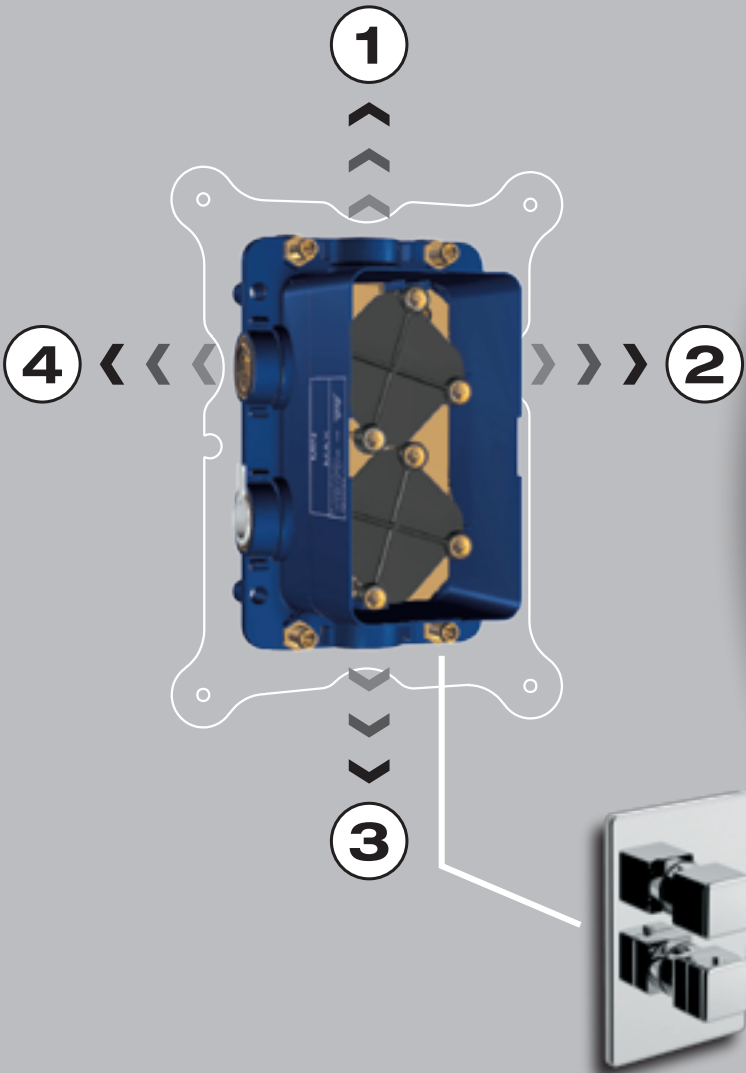
FIR Unico®  
for the wash basin area

1 front outlet for the wash basin area



FIR Unico®  
for the shower area

4 side outlets for the shower area





**Universal built-in system**

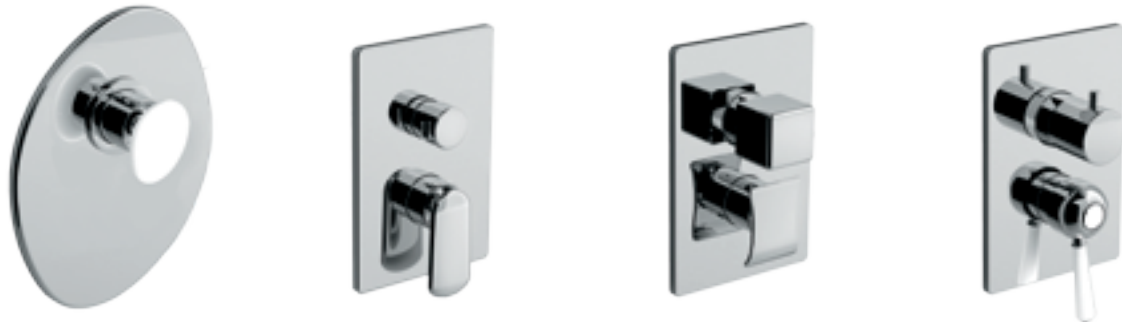
A single built-in system for all of the wall-mounted built-in wash basin and shower mixers in the Fir Italia collections.



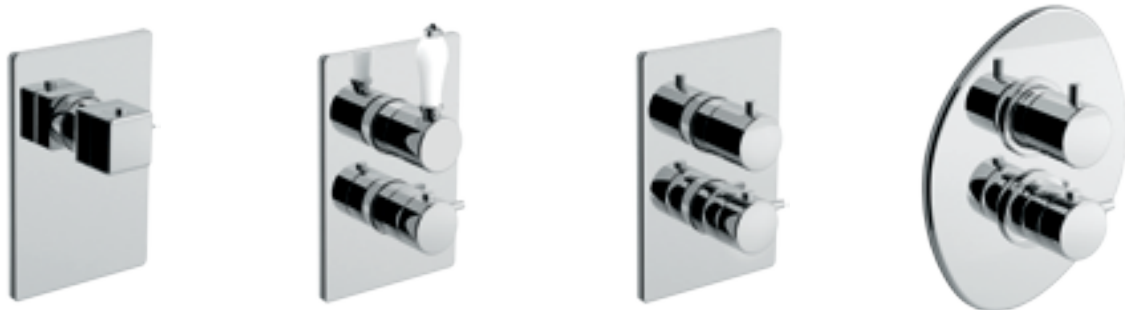
wash basin mixers



shower mixers



thermostatic shower mixers





**A unique built-in system for several configurations**  
Thanks to FirUnico® you are able to realize all built-in wash basin mixer configurations and shower area configurations from 1 to 4 outlets.



wash basin area configuration  
**front outlet**  
1 function

page  
10



shower area configuration  
**1 outlet**  
1 function

page  
12



shower area configuration  
**2 outlets**  
2 functions

page  
14

shower area configuration  
**3 outlets**  
3 functions

page  
16



shower area configuration  
**4 outlets**  
4 functions

page  
18



shower area configuration  
**4 outlets**  
6 functions  
with multifunctional shower head

page  
20

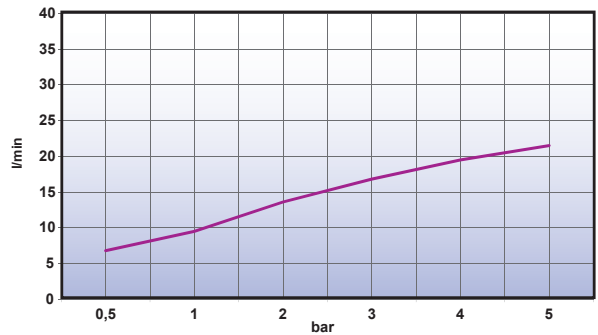




wash basin area configuration  
**front outlet**  
1 function

**Flow rate diagram**

Wall-mounted built-in wash basin mixer.\*



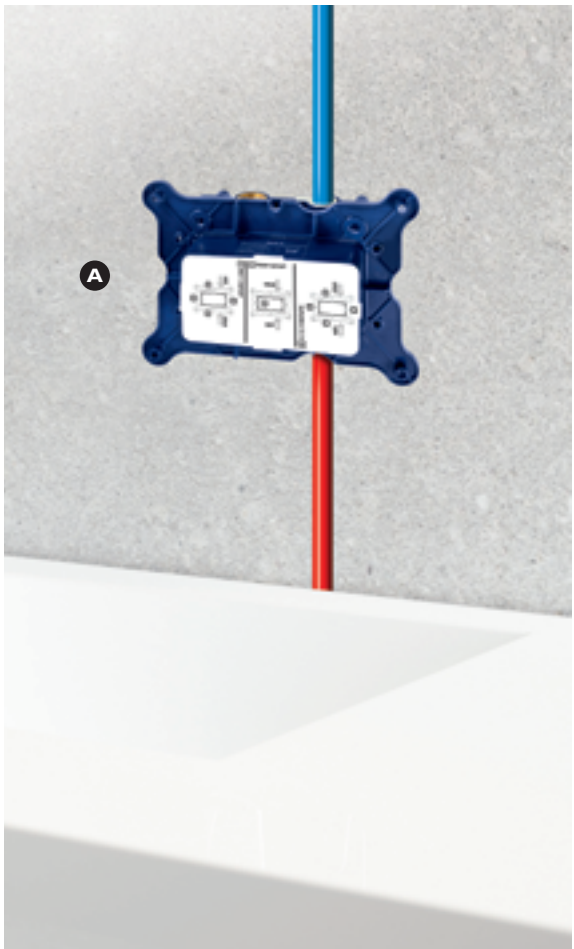
\* N.b.: data recorded at the outlet of the built-in body, subject to variations depending on the type of hydraulic system.

**Legend**

**A** FirUnico® for wall-mounted built-in wash basin mixer.



All of Fir Italia wall-mounted built-in wash basin mixers are equipped with a flow restrictor that reduces the water flow rate to 6 litres/min.



wash basin area configurations





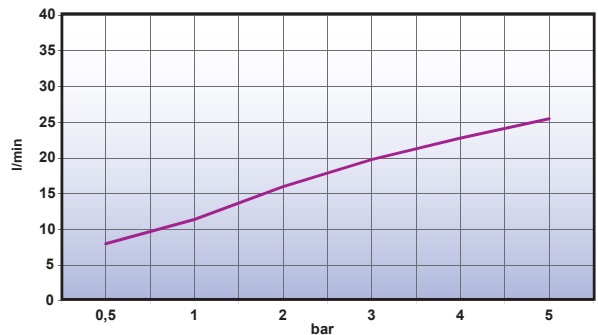
shower area configuration

# 1 outlet

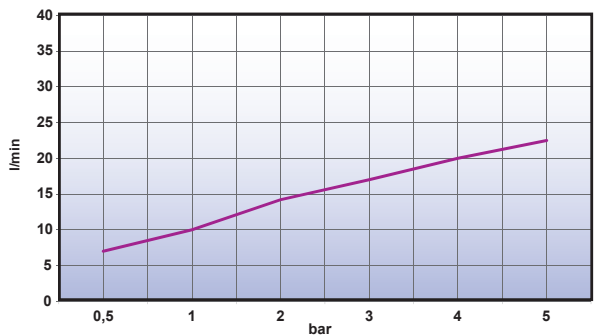
1 function

Flow rate diagram

Shower mixer with 1 outlet.\*



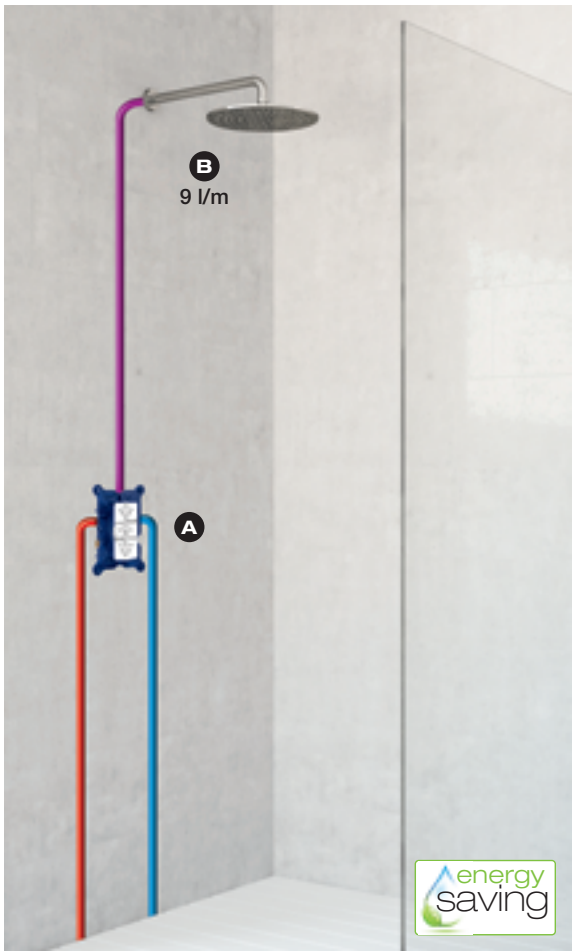
Thermostatic shower mixer with 1 outlet.\*



\* N.b.: data recorded at the outlet of the built-in body, subject to variations depending on the type of hydraulic system.

Legend

- A FirUnico® for wall-mounted built-in shower mixer.
- B Wall-mounted shower head.



# shower area configurations



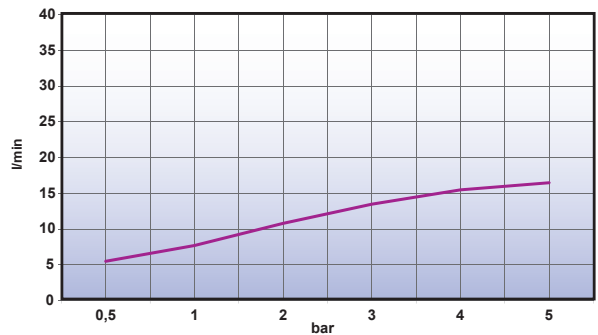


shower area configuration

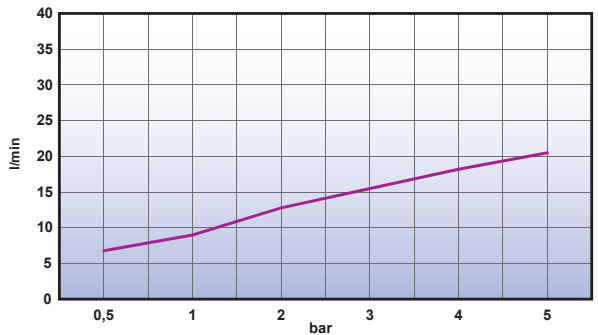
2 outlets  
2 functions

Flow rate diagram

Shower mixer with 2 outlets.\*



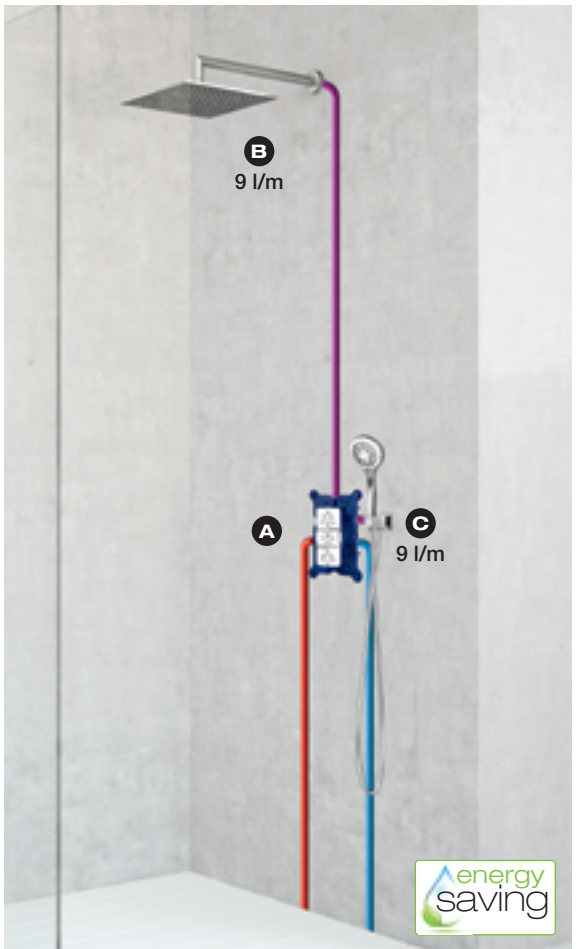
Thermostatic shower mixer with 2 outlets.\*



\* N.b.: data recorded at the outlet of the built-in body, subject to variations depending on the type of hydraulic system.

Legend

- A FirUnico® for wall-mounted built-in shower mixer, with 2-way diverter.
- B Wall-mounted shower head.
- C Wall-mounted multifunctional hand shower.



shower area configurations





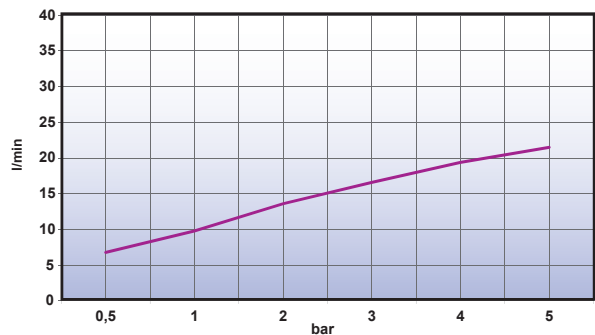
shower area configuration

# 3 outlets

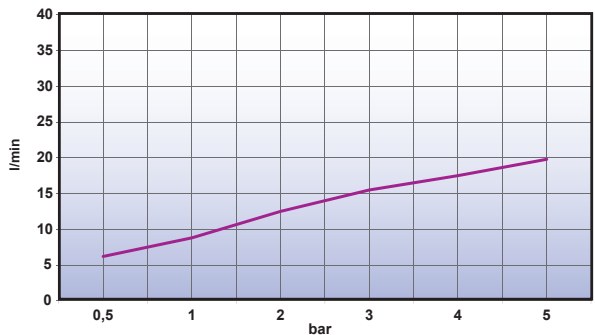
3 functions

Flow rate diagram

Shower mixer with 3 outlets.\*



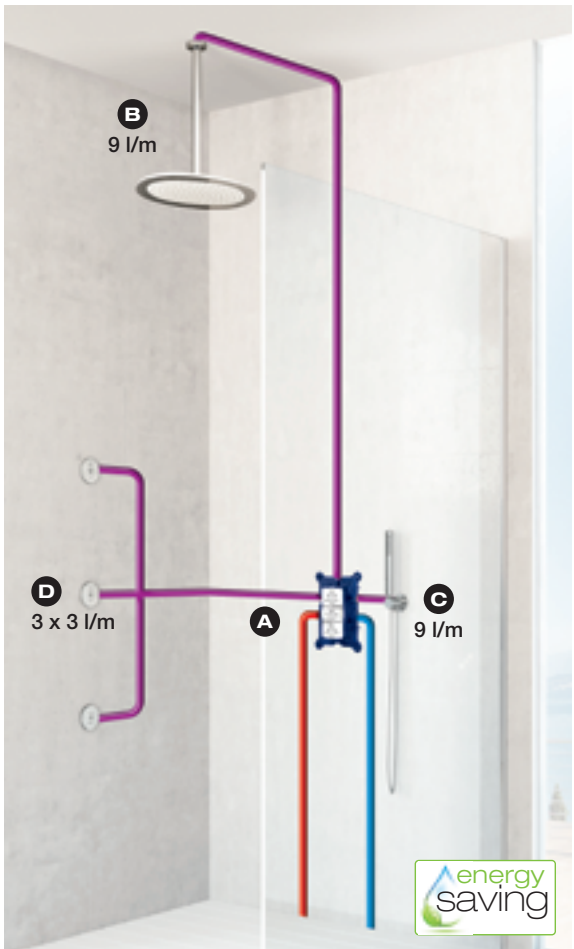
Thermostatic shower mixer with 3 outlets.\*



\* N.b.: data recorded at the outlet of the built-in body, subject to variations depending on the type of hydraulic system.

Legend

- A** FirUnico® for wall-mounted built-in shower mixer with 3-way diverter.
- B** Ceiling-mounted shower head.
- C** Wall-mounted hand shower.
- D** Lateral body sprays.



# shower area configurations





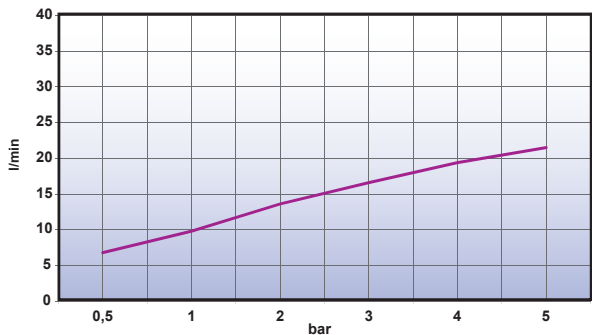
shower area configuration

# 4 outlets

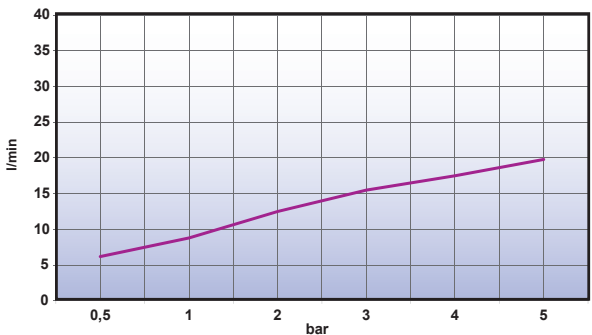
4 functions

Flow rate diagram

Shower mixer with 4 outlets.\*



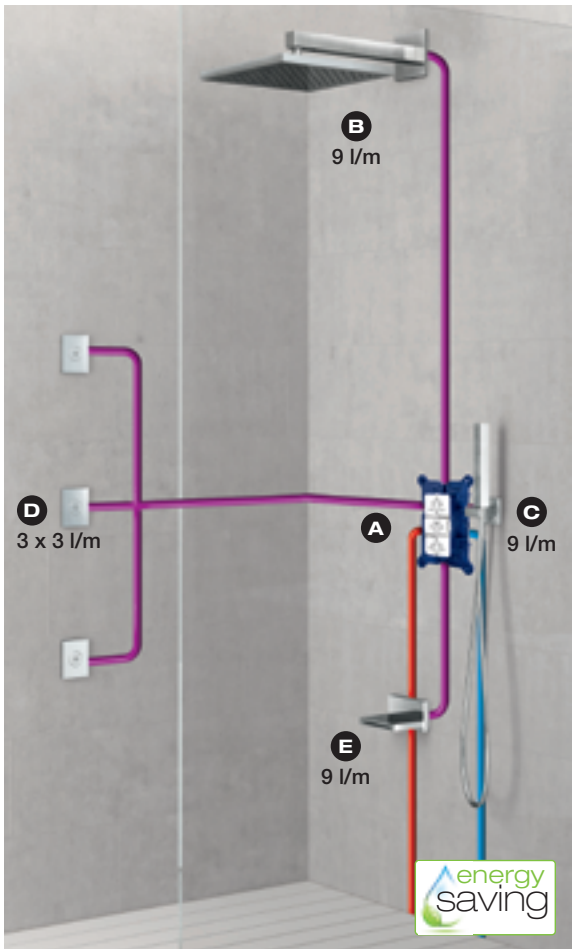
Thermostatic shower mixer with 4 outlets.\*



\* N.b.: data recorded at the outlet of the built-in body, subject to variations depending on the type of hydraulic system.

Legend

- A** FirUnico® for wall-mounted built-in shower mixer with 4-way diverter.
- B** Wall-mounted shower head.
- C** Wall-mounted hand shower.
- D** Lateral body sprays.
- E** Wall-mounted water spout.



# shower area configurations





shower area configuration

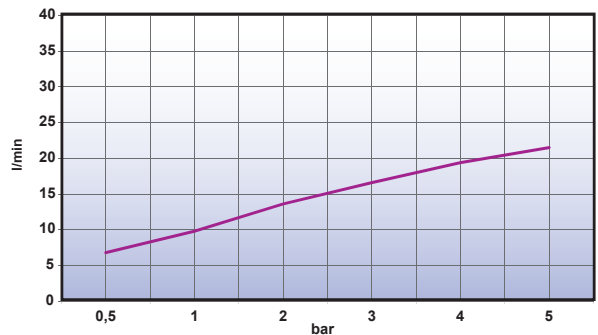
4 outlets

6 functions

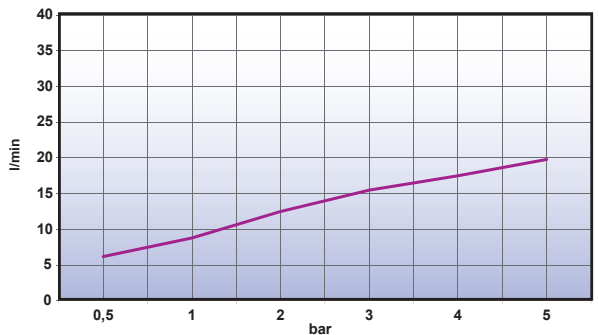
with multifunctional shower head

Flow rate diagram

Shower mixer with 4 outlets.\*



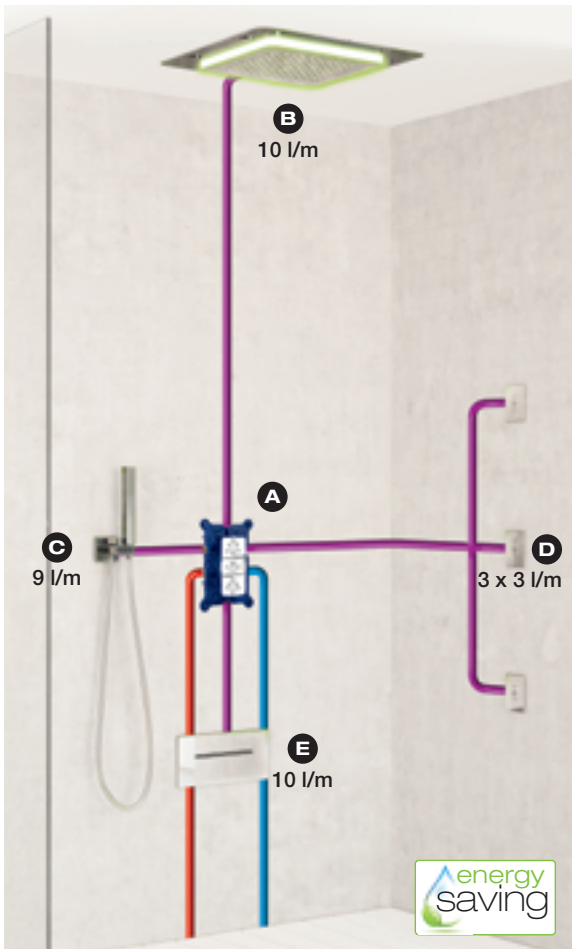
Thermostatic shower mixer with 4 outlets.\*



\* N.b.: data recorded at the outlet of the built-in body, subject to variations depending on the type of hydraulic system.

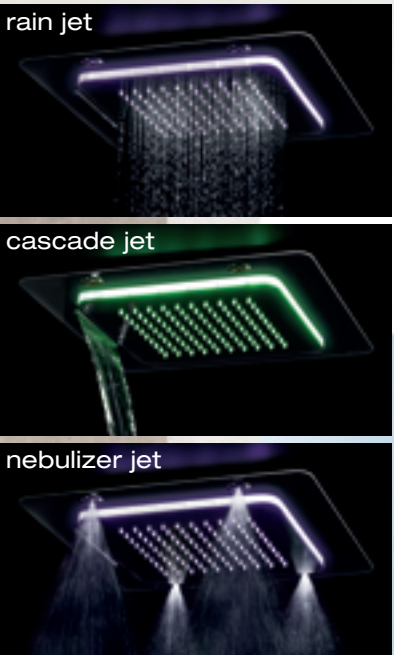
Legend

- A** FirUnico® for wall-mounted built-in shower mixer with 4-way diverter.
- B** Built-in ceiling-mounted multifunctional shower head with chromotherapy system and rain, cascade and nebulizer water sprays.  
**LED RGB**
- C** Wall-mounted hand shower.
- D** Lateral body sprays.
- E** Wall-mounted water spout.



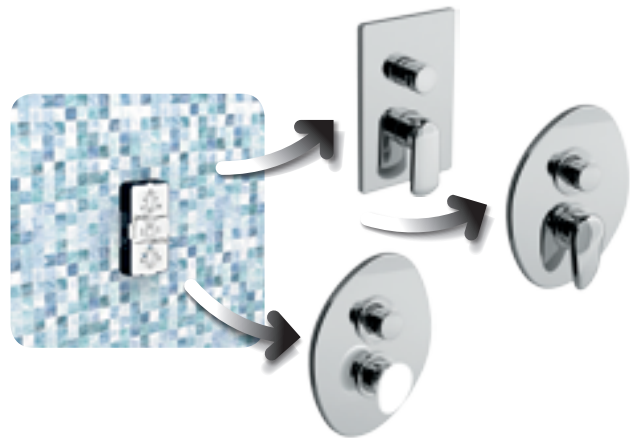
shower area configurations

3 types of water jets



### Install now; choose later

The FirUnico® system allows you to install the universal built-in system immediately and to decide later on the type of mixer, traditional or thermostatic, and on which style and design from the collection you would like.



### Certified Quality

FirUnico® has been engineered to offer the best in terms of functionality, reliability and durability, proven through strict laboratory testing that has certified the quality. FirUnico® has been tested at a pressure of over 25 bar, subjected to continuous hot and cold water operation for over 500 hours.

FirUnico® is completely hermetic thanks to two special gaskets and its structure guarantees total absence of noise, certified by its Group I noise classification.



### Optimal installation

The unique flow control technologies, with which FirUnico® is equipped, guarantee optimal installation.



### Green

FirUnico® has a lead-free DZR brass body and food grade gaskets. It is equipped with a certified food grade (KTW, W270, ACS, NSF61, WRAS) flow control adapter made of technopolymer, which is completely non-toxic and fully recyclable.



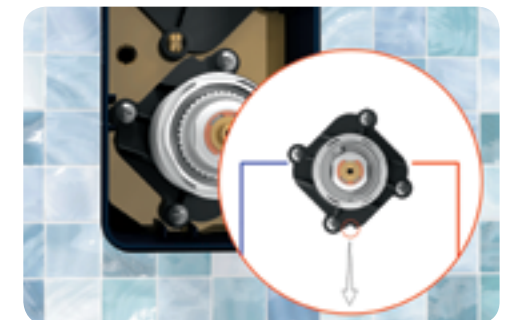
### Warehouse optimisation

FirUnico® guarantees warehouse optimisation, with just 1 easy-to-store single-piece built-in unit.



### Problem solving

FirUnico® helps you to solve several problems that can occur during installation, for example with a simple intervention in the case of inverted hot and cold water inlets for thermostatic mixers.







### Benefits for the retailer

- 1 An easy-to-store single-piece built-in unit
- 2 Over 100 Fir Italia external parts that can be installed together with FirUnico®
- 3 A single built-in unit for any kind of shower configuration
- 4 Certified high quality standards
- 5 Possibility to immediately meet any final customer needs/requests with a minimum stock level



### Benefits for the installer

- 1 Installation of a single built-in unit for shower configurations of up to 4 outlets
- 2 Choice of outlets based on the desired configuration
- 3 Correct installation in just a few steps
- 4 Ability to solve any problems that can occur during installation with extremely simple interventions
- 5 Installation compatibility with all types of walls and all types of connections and threaded pipes



### Benefits for the architect

- 1 Maximum freedom when designing shower and wellness areas
- 2 More time to decide on the design of the taps
- 3 Certainty of using a product of certified quality and reliability in projects
- 4 Certainty of proposing to our own customers a product that respects health and environment
- 5 Can also be combined with custom made-to-measure solutions for contract projects



### Benefits for the private customer

- 1 Purchase a single built-in unit for any type of shower configuration with 1 to 4 outlets
- 2 More time to decide on the design of the taps
- 3 Certainty of being able to count on a reliable certified system
- 4 Absence of noise during use
- 5 Respect for health and environment thanks to a "green" product

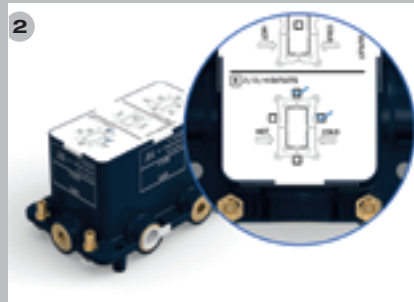




## Installing the FirUnico® universal built-in system



1 Open the box and check that it contains the FirUnico® universal built-in unit, a mounting plate, a spirit level, a PE gasket, spacers and a hex wrench.



2 Select the outlets based on the configuration you want.



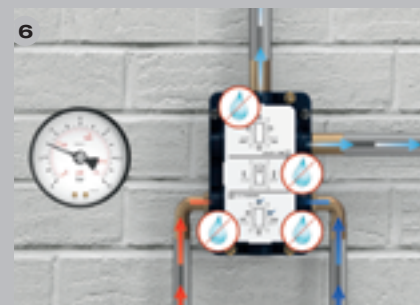
3 Remove the protection caps from the chosen water inlets and outlets and screw on the threaded plumbing connections.



4 Place the mounting plate on the wall where you want to install FirUnico® and use the spirit level to ensure that the installation of the universal built-in system is precise and optimal.



5 Place the FirUnico® built-in unit onto the 4 stay rods in the wall and adjust the depth with the relative nuts, making sure that the thickness of the cladding is between MIN and MAX; use the spirit level again to ensure it is level.



6 Proceed with the plumbing connections and then let the water run in order to remove any impurities present in the system. Plug the outlets and set the pressure to 3 BAR to check the watertightness of the connections.



7 Use the plate as a reference to mark the cover panel and then proceed with drilling the holes.



8 Place the panel on the wall and apply the waterproofing sealer and the gasket.



9 Finish the external cladding.

## Installing the external parts of the taps

Example referring to a thermostatic mixer with 2 outlets.



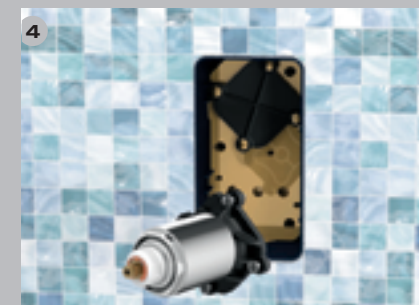
1 Open the box and check that it contains one mixer adapter, one 2-way diverter adapter, one plate, one thermostatic mixer handle, a diverter handle and an Allen key.



2 Cut the part of the FirUnico® box that protrudes from the wall and then seal the space between the box and the wall with silicone.



3 Unscrew the lower cap that corresponds to the hot and cold water inlets on the FirUnico® built-in unit.



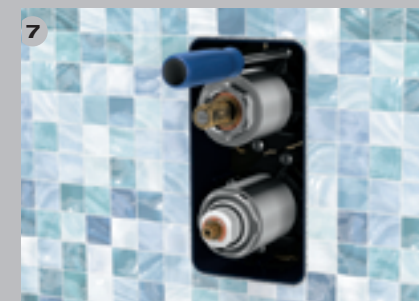
4 Insert the mixer adapter into the lower part of the built-in unit.



5 Affix the mixer adapter, using the guides on the inside of the box to help you. Tighten the screws and make sure that the cartridge is closed. Proceed with the watertightness test by running the water.



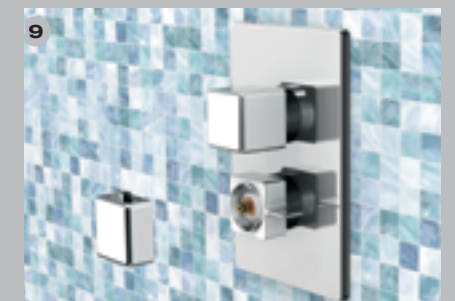
6 Unscrew the upper cap of the FirUnico® built-in unit, which corresponds to the water outlets.



7 Insert the diverter adapter into the built-in unit, using the guides on the inside of the box to help you. Tighten the screws and make sure that the cartridge is closed. Test the watertightness again by running the water.



8 Position the plate, sliding it onto the relative tubes.



9 Assemble both on/off and temperature handle; use the Allen key to tighten the grub screw.

## Installation variations

The FirUnico® universal built-in system is compatible with all common types of walls and connecting and threaded piping systems. Below are a just few installation examples.

### 1 Installation spaced from the wall

It is possible to install the built-in unit correctly even when the wall is too far away, using a stay rod system to install FirUnico® directly to the supporting wall.



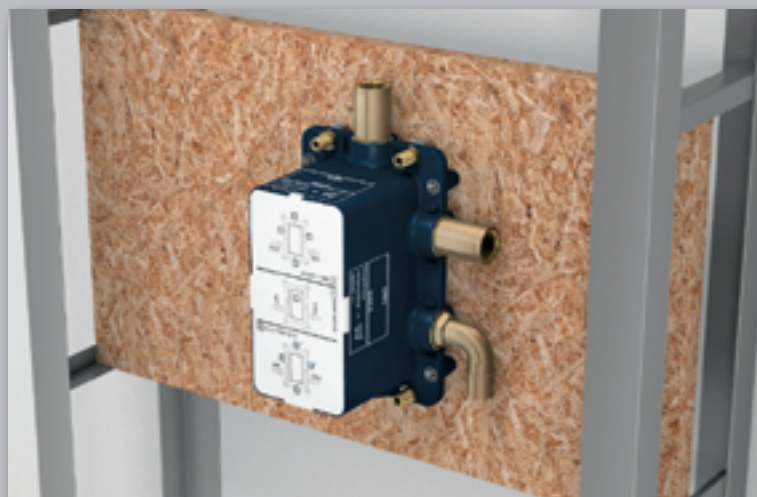
### 3 Brick wall installation

It is possible to insert FirUnico® into the wall at a minimum depth of 40 mm, with a minimum wall thickness (tiles included) of 20 mm and a maximum thickness of 45 mm (65 mm with an extension).



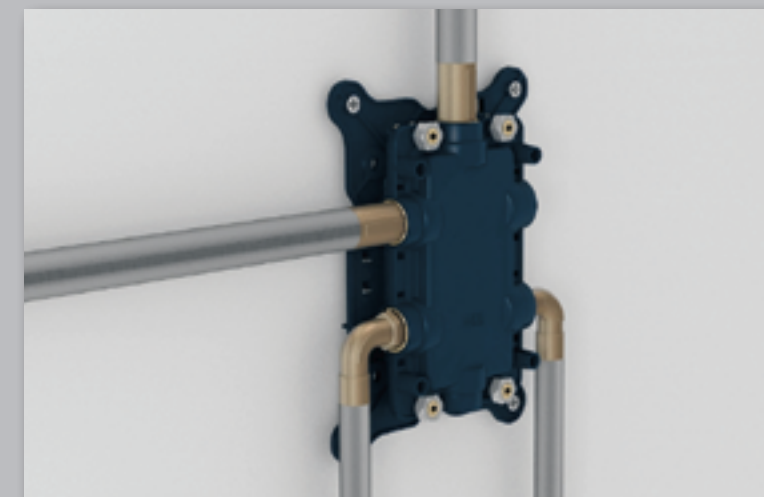
### 2 Front dry installation

It is possible to install FirUnico® directly onto a supporting element (panel or wall), respecting the minimum and maximum depth of the external cladding (tiles included), respectively 60 mm and 85 mm (105 mm with an extension).



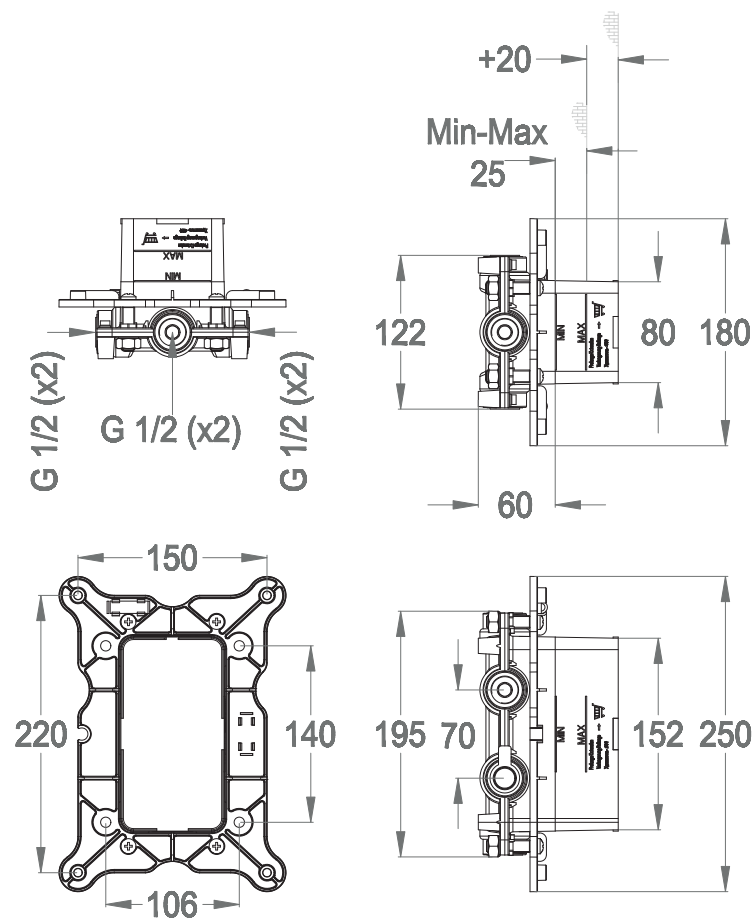
### 4 Rear dry installation

It is possible to install FirUnico® easily by using the supplied fixing plate when there is a wall with rear access to the finished part, where there is a minimum internal depth of 53 mm and the thickness of the finished supporting wall (tiles included) is between 7 mm and 32 mm (52 mm with an extension).





- Optimal hot water temperature: **65° C (max 70° C)**
- Optimal operation pressure: **3 bar (min 1 - max 5)**
- Difference in hot-cold water pressure: **0,1 bar (max 1)**
- Threaded piping size: **G 1/2"**
- Certifications: **DVGW (DIN EN 817 - DIN EN 1111)**



Wash basin mixer

pressure	front outlet
bar	l/min
0,5	6,8
1	9,5
2	13,6
3	16,8
4	19,5
5	21,5

Shower mixer

pressure	1 outlet	2 outlets	3 outlets	4 outlets
bar	l/min	l/min	l/min	l/min
0,5	8	5,5	6,8	6,8
1	11,4	7,7	9,8	9,8
2	16	10,8	13,6	13,6
3	19,8	13,5	16,6	16,6
4	22,8	15,5	19,4	19,4
5	22,5	16,5	21,5	21,5

Thermostatic shower mixer

pressure	1 outlet	2 outlets	3 outlets	4 outlets
bar	l/min	l/min	l/min	l/min
0,5	7	6,8	6,2	6,2
1	10	9	8,8	8,8
2	14,2	12,8	12,5	12,5
3	17	15,5	15,5	15,5
4	20	18,2	17,5	17,5
5	22,5	20,5	19,8	19,8