

Baxi Assure Horizontal SHRU

Shower heat recovery unit

The Baxi Assure Horizontal SHRU is a great way to save energy and improve a new or refurbished property's SAP rating. Waste shower water flows through a heat exchanger, transferring a boost of heat to the mains cold water feed to the boiler. Energy is saved because the boiler has less work to do in order to heat the water. Vertical SHRU also available.



**UP TO
3% SAP
BENEFITS**



**2 YEARS'
WARRANTY***
Extended agreements
also available



**FREE TRAINING
AND SUPPORT**



**HIGH
EFFICIENCY**

Versatile

- Pipe-in-pipe design with an integral heat exchanger

Easy to install

- Slim, lightweight unit
- Easily installed directly under a shower or bath

Efficient

- Up to 10°C heat transfer to incoming cold feed
- Up to 31% heat recovery efficiency
- Up to 3% SAP rating benefit
- Recovers approximately 60% of the energy from the waste water
- The mains water temperature is raised by between 15°C and 19°C dependent on the flow rate of the shower

User-friendly

- No user interface making it a 'fit and forget' product
- No regular maintenance required
- Legionella-free

Reliable

- Built with solid state technology for a longer life

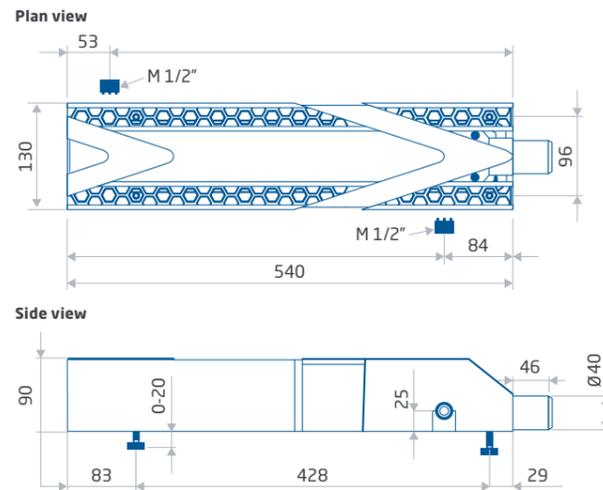
Technical details

SPECIFICATION

	UNITS	Horizontal SHRU
Product code		7773414
Recommended shower flow rate range	l / min	5.8 to 12.5
Maximum mains water inlet pressure	bar	6
Minimum mains water pressure	bar	0.1
Maximum water working temperature	°C	60
Mains water connections	mm	12.7mm
Waste water connections	mm	40mm
Weight	kg	5
PCDB Index No. (System A; B; C)		080173; 080174; 080175

HORIZONTAL SHRU PERFORMANCE

DESCRIPTION	UNITS	VALUE
Heat exchanger material	-	copper
Body material	-	ABS
Weight	kg	5.0
Temperature range	°C	0 - 60
Maximum shower flow	l / min	25.0
Maximum mains water inlet pressure	bar	6.0
Heat exchanger pressure drop at 9.2 L/min – mains water	bar	0.36
Heat exchanger pressure drop at 12.5 L/min – mains water	bar	0.65



TWO METHODS OF INSTALLATION

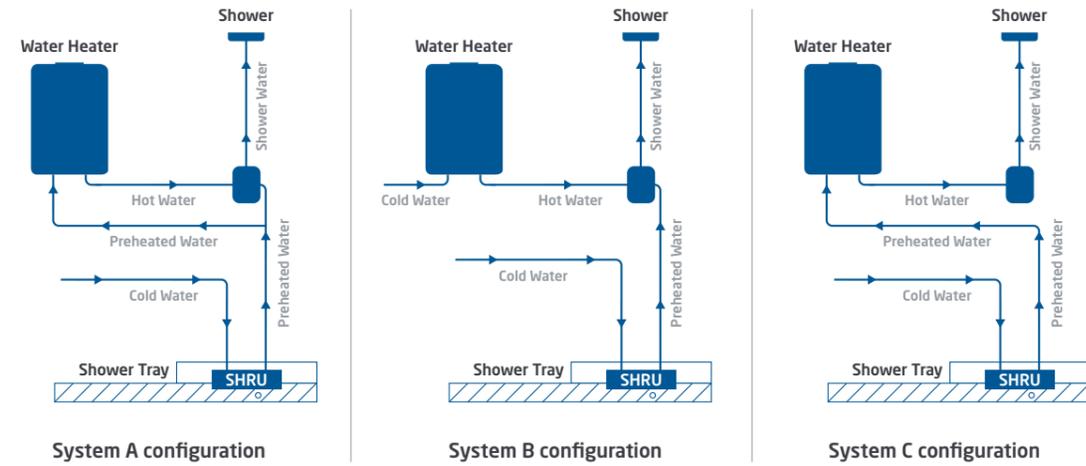
1. Installation above the slab / coupled to the shower tray.



2. Installation under the slab/under the shower tray or bathtub with desired separation.



CONFIGURATION OPTIONS



INSTALLATION EVALUATION

The following dwelling requirements must be satisfied in order for the WWHRS to be recognised in SAP calculations:

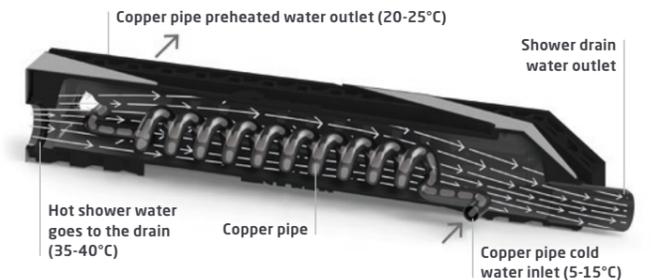
1. Supply water pressure and flow rate must be sufficient to ensure satisfactory DHW performance after installation of the Assure Horizontal SHRU.
2. The domestic hot water system (DHW) must be a mains pressure system.
3. If not installed in System B configuration, the DHW heater must accept a pre-heated water inlet (Max. 30°C).
4. The shower(s) must use a thermostatic mixing valves.
5. The Assure Horizontal SHRU must be installed within the dwelling heated envelope.

NOTE: Whilst the Assure Horizontal SHRU can be connected to instantaneous electric showers, such combinations are not recognised in SAP calculations.

COMPONENTS

Supplied with the Baxi Assure Horizontal SHRU:

- Drain water inlet
- Water discharge
- Input connector 1/2"
- Output connector 1/2"
- Adjustable foot.



LEGIONELLA PREVENTION

The Assure Horizontal SHRU design also complies with the Directive Legionella Prevention:

1. The unit has no dead spaces and is subject to high flow rates which prevent water from stagnation.
2. Drain water does not remain in the unit for long periods of time since the construction guarantees that it is fully drained after the shower is turned off.
3. After showering, fresh water cools down below 25°C, as recommended by the WHO.
4. The Assure Horizontal SHRU is always installed relatively close to the shower mixer which minimises the distance between the unit and waste trap.
5. The copper coil itself contributes to reducing Legionella-related risks.

CODES OF PRACTICE AND LEGISLATION

Legislation:

- Building Regulations Part G and Part L (England and Wales)
- Scottish Building Standards Section 4 and Section 6
- Building Regulations (Northern Ireland) Parts F1 and F2 and Part P
- Water Supply (Water Fittings) Regulations (England and Wales)
- The Water Byelaws 2004 (Scotland)
- Water Supply (Water Fittings) Regulations (Northern Ireland).

Baxi Horizontal SHRU & iZi SHRU approvals:

- WRAS Approved 1312074.



How we can help you

With Baxi, the heating system is only part of the story. We're also passionate about giving you the service and support you need, for the lifetime of your Baxi product.

Baxi Design

Our design service team will plan and configure installations around each property's unique requirements, free of charge.

Baxi Genuine Parts

We have a full range of approved spares and quality heating essentials for all Baxi Assure products. Visit baxi.co.uk/genuineparts for more information.

Literature and BIM libraries

We have installation instructions, user guides and BIM files for our product ranges, available at baxi.co.uk/specification

Unique service plans

We provide comprehensive homeowner maintenance and support plans.

Baxi Project Hub

Baxi Project Hub is our intuitive project management portal, where specifiers and contractors can register Warranty and Gas Safe notifications for Baxi Assure installed products. There's also the Project Hub app, so that warranty registrations and Gas Safe notifications can be done on site. Visit baxi.co.uk/projecthub or speak to your Business Development Manager to find out more.

Product training

We offer practical, hands-on courses, covering all Baxi Assure products. They're carried out by qualified experts at our state-of-the-art training centres nationwide. Visit baxi.co.uk/assuretraining or speak to your Business Development Manager to find out more.

Expert service and support

We're always here to help with product queries, installations and maintenance. Visit baxi.co.uk/trade/assuretechnical or call our Technical Support Helpline on 0344 871 1525 for more information.

For everything else

Contact your Business Development Manager at baxi.co.uk/assurecontact for more information.

Baxi Assure, The Complete Home Service

As the UK moves towards a carbon neutral future alongside an ever growing demand for housing, providers are having to take a fresh approach. That means more tenanted social housing, and more economical, energy-efficient new homes.

With our fresh approach, we'll make sure we deliver the reliable, efficient heating and hot water solutions our specification partners need – for today and tomorrow.

The Baxi Assure range of solutions does just that, with a broad range of boiler, cylinder and low-carbon product packages to suit any new build or refurbished property.

Find out more at baxi.co.uk/specification