

Baxi Assure Vertical SHRU

Shower heat recovery unit

The Baxi Assure Vertical 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. Horizontal unit also available.



**UP TO
8% 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

Efficient

- Up to 21°C heat transfer to incoming cold feed
- Up to 66.6% heat recovery efficiency
- Up to 8% SAP rating benefit
- Recovers approximately 67% of the energy from the waste water
- The mains water temperature is raised by between 16°C and 21°C dependent on the flow rate of the shower

Reliable

- Built with solid state technology for a longer life

Easy to install

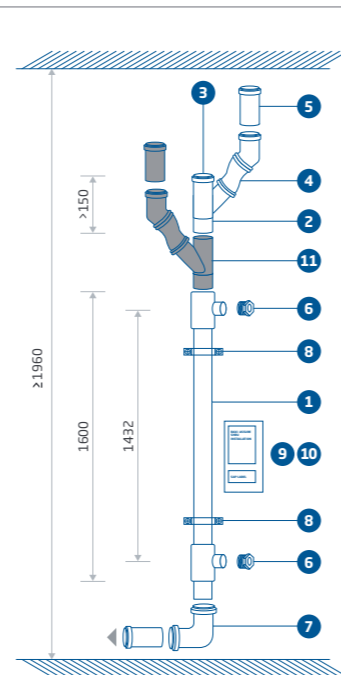
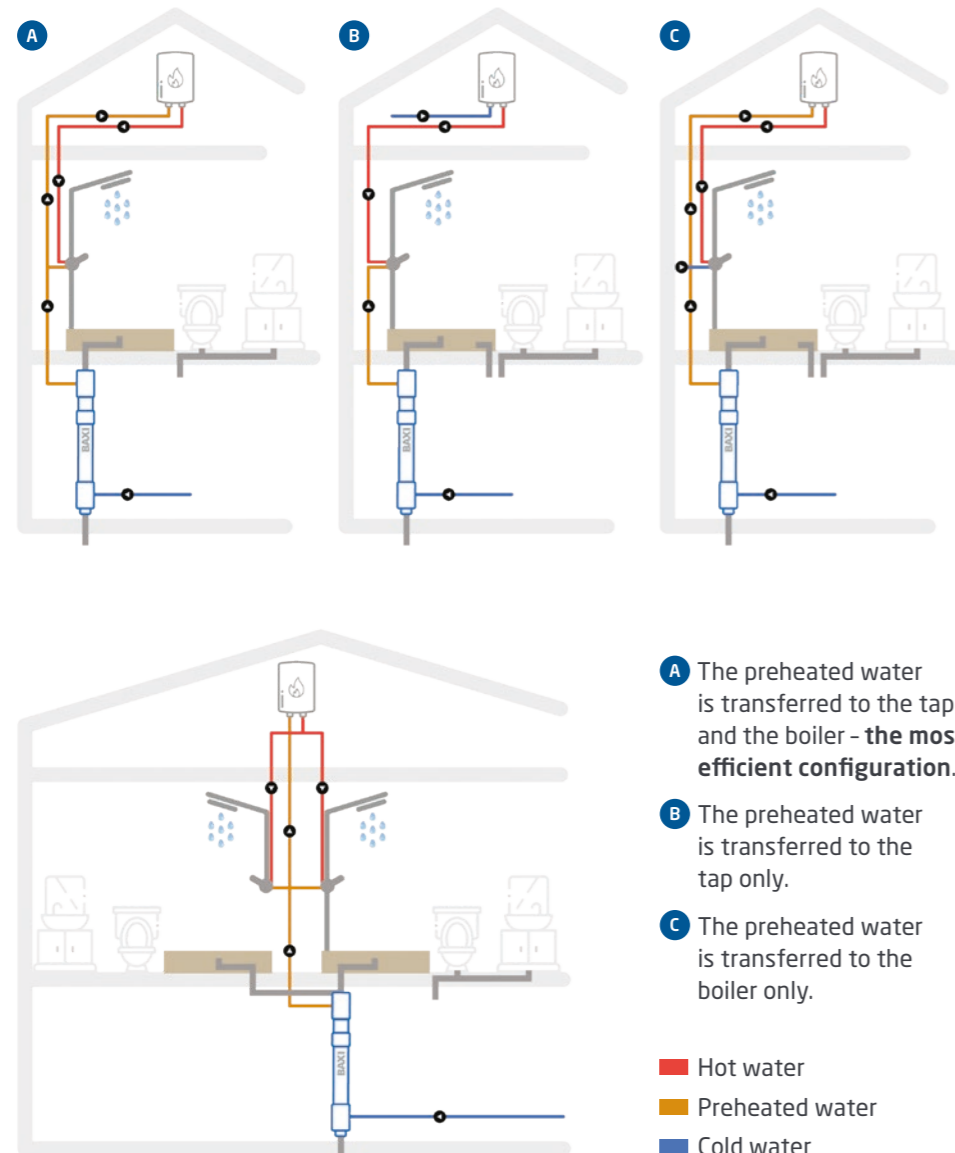
- Slim, lightweight unit
- Suited to be installed with a shower installation
- Double inlet installation possible, achieving higher SAP scoring and ability to serve two bathrooms

User-friendly

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

Technical details

SPECIFICATION	UNITS	Vertical SHRU
Product code		7771332
Recommended shower flow rate range	l / min	5.8 to 12.5
Maximum mains water inlet pressure	bar	10
Minimum mains water pressure	bar	1
Maximum water working temperature	°C	60
Mains water connections	inch	3/4" - 1/2"
Waste water connections (compression fitting)	mm	43
Weight	kg	8
Water content - secondary	litres	0.9
PCDB Index No. (System A; B; C)		080176; 080177; 080178



- 1 Product Body
- 2 Tee Piece 45°
- 3 Cap - Cleaning Access Ø50
- 4 45° Elbow Ø50 - 2 off
- 5 Adaptor - Ø50 to Ø43 - 2 off
- 6 Reducer - Male 3/4" to Female 1/2" (inc. cap) - 2 off
- 7 7.90° Elbow - Female Ø50 / Female Ø50
- 8 Mounting Bracket - 2 off
- 9 Installation & Maintenance Manual
- 10 SAP Label

11 Baxi Assure Vertical SHRU Twin Inlet Kit
 Allows the unit to accept waste water from two outlets.
 Part code: **7784412**

In addition it is strongly recommended to obtain two suitable isolation valves to be installed on the mains inlet and pre-heated outlet pipework. These will enable isolation of the unit from the mains water circuit in the event of replacement.

NOTE: Do not insulate the SHRU itself. It is required that the distance from the shower tray to the SHRU is kept to within 3 metres to reduce any heat losses and ensure good efficiency is maintained. Minimum clearances of 80mm around the main body should be maintained and adequate clearances must be maintained at the top and bottom to ensure all components are accessible and can be cleaned or replaced, if necessary.

DESCRIPTION	UNITS	VALUE
Overall length without fittings	mm	1,650
Overall length including compression fittings and T-piece with cap insert	mm	1,800
Outside diameter of external tube	mm	80
Material internal tube	-	SS 316L
Material external tube	-	PVC

INSTALLATION EVALUATION

1. When showering with the SHRU installed, the cold water inlet temperature will increase slowly because it will be warmed from the heat transferred from the waste water, via the SHRU heat exchanger.
2. If a non-thermostatically controlled showerhead is fitted, continued adjustment of the valve will be required to avoid hotter water temperatures from the shower. Therefore, it is required that a thermostatically controlled showerhead is always fitted.
3. Ensure full flow shut off valves are fitted at both connections of the unit to allow for any replacement of parts.
4. The cold/preheated feed pipe work to the shower from the SHRU must be plumbed up to the T connection at the thermostatic mixing valve of the shower, and then from this T connection to the cold inlet of the combination boiler or hot water store. This will ensure static water is not held in the line for long periods without being flushed, providing other hot water taps are being used.
5. After installation all domestic water pipe work should be flushed and cleaned. This also applies if a system has been substantially altered. However, this would be required even if a shower heat recovery unit had not been fitted. (Refer Approved COP - L8 for guidance)
6. Pipework between the SHRU preheated water outlet and the water heater and /or shower cold water inlet(s) (depending on installation configuration) must be labelled to indicate that no other services can be interconnected.
7. The hot water store or combination boiler must be set to provide and distribute hot water at a temperature of at least 60°C.

COMPONENTS

- Supplied with the Baxi Assure Vertical SHRU:**
- Baxi SHRU body
 - 1/2" BSP compression fittings and washer (2 off)
 - 1 1/2" BSP - ISO adaptor and washer (2 off)
 - 1 1/2" straight connector multifit x BSP coupling (2 off)
 - T-fitting Ø43mm solvent weld (for 43mm waste pipe)
 - 43mm cap and connection tube
 - Wall mounting brackets, screws and 10mm wall plugs (3 off)
 - 15mm check valve assembly (cold domestic mains water inlet)
 - 50mm length Ø15mm copper tube.

In addition to the above, we recommend installing two full flow 15mm shut-off valves to enable isolation of the mains water circuit if any replacement is required.

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 Vertical SHRU approvals:

- WRAS Approved 1205386.



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