



BY HEATRAESADIA



DATA SHEET

MegaFlo SHRU

WASTE WATER HEAT RECOVERY

The MegaFlo Shower Heat Recovery Unit (SHRU) is a waste water heat recovery system (WWHRS) that recovers heat from the warm waste water discharged from a shower.

The system operates by waste water from the shower flowing through a heat exchanger, this pre-heats the mains cold water feed to the shower.

The MegaFlo SHRU is available in both vertical and horizontal variants.

63%

HEAT RECOVERY EFFICIENCY

Up to **19°C**

HEAT RECOVERY

2yr Warranty

WITH ON-SITE SERVICE SUPPORT

FEATURES

Up to 63% heat recovery efficiency, up to 19°C heat transfer to incoming cold feed
Up to 29.4% heat recovery efficiency, up to 9°C heat transfer to incoming cold feed (Horizontal models)

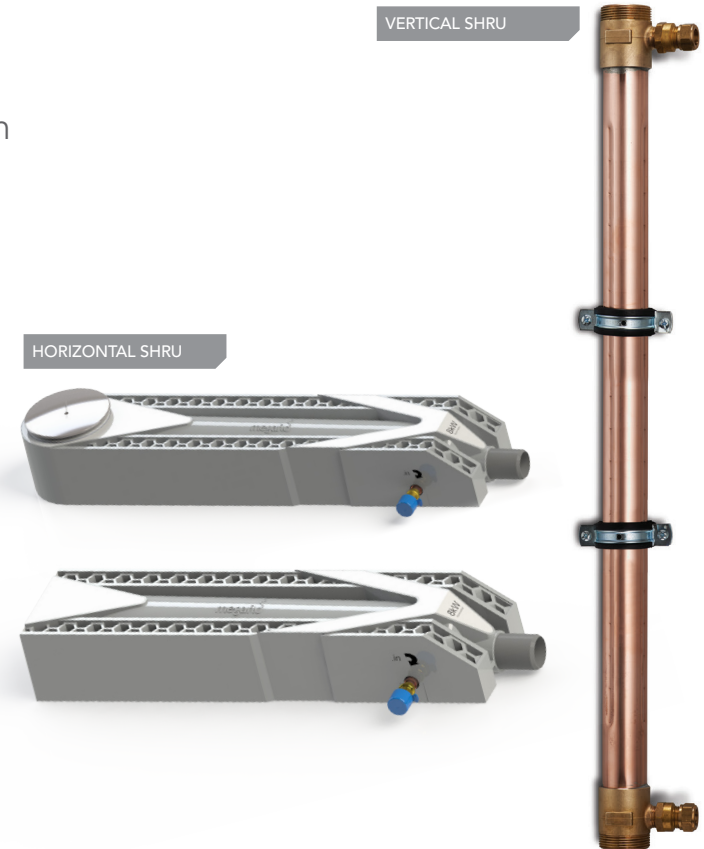
5% - 6% SAP energy efficiency benefits
2% - 3% SAP energy efficiency benefits (Horizontal models)

Slim and light-weight unit

Horizontal installation

2 year product warranty

WRAS approved



BENEFITS

High levels of heat recovery reduces energy input into shower

Improves dwelling efficiency scores

Makes for easier installation

Can be installed in apartments and commercial properties unlike other SHRUs

With on-site service support for additional peace of mind to the installer and end user

Product approvals to guarantee compliance

For more information 01603 420220 | enquiries@megaflo.com | www.megaflo.com

Megaflo SHRU

WASTE WATER HEAT RECOVERY

TECHNICAL SPECIFICATION

Model	Vertical SHRU	Horizontal SHRU	Horizontal iZi SHRU
Product code	95060005	7036150	7036160
Recommended shower flow rate range (l/min)	5.8 to 12.5	5.8 to 12.5	5.8 to 12.5
Max. mains water inlet pressure (bar)	10	6	6
Min. mains water pressure (bar)	0.1	0.1	0.1
Max. water working temperature (°C)	90	60	60
Mains water connections (mm)	15	12.7	12.7
Waste water connections (mm)	43	40	40
Weight (kg)	5	6	5

COMPONENTS

Supplied with the Megaflo Vertical SHRU

- MEGAFLO 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 it is recommended two full flow 15mm shut off valves are obtained for the installation to enable isolation of the mains water circuit if any replacement is required.

Supplied with the Megaflo Horizontal SHRU

- Valve cap
- Trap
- Thread ring
- Sealed ring
- Wrench
- Adjustable foot
- Input connector 1/2"
- Output connector 1/2"
- Water discharge

Supplied with the Megaflo Horizontal iZi SHRU

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

VERTICAL SHRU PERFORMANCE

Shower flow rate	5.5 l/min	5.8 l/min	7.5 l/min	9.2 l/min	10.5 l/min	12.5 l/min	15.1 l/min
T1 Cold domestic water in	10		10		10		10
T2 pre-heated domestic water out	29		28.2		27.4		25.2
T3 shower water	40		40		40		40
T4 shower water entry on SHRU ¹	40		40		40		40
T5 shower waste water to waste water line	21	*	22	*	23	*	24
Shower energy consumption ² (kW)	11.5		15.7		21.9		31.6
Recovered energy ³ (kW)	7.3		9.45		12.7		16.9
Pressure drop domestic water (kPa)	9.6		21		35.1		79
Efficiency of recovery unit (%)	63	62.4	60	59.3	58	55.2	53

¹KIWA-Gastec deceleration according to NEN 5128 A1:2009, published 1 May 2009.

²Standard test conditions ²Energy consumption in kW = kg/s * 4,2 * (T3 - T1) ³Energy recovered kW = shower flow rate kg/s * 4,2 * (T2 - T1)

HORIZONTAL SHRU PERFORMANCE

Shower flow rate	5.9 l/min	9 l/min	12 l/min
T1 Cold domestic water in	10	10	10
T2 pre-heated domestic water out	18.7	17.9	17.6
T3 shower water	40	40	40
T4 shower water entry on SHRU ¹	40	40	40
T5 shower waste water to waste water line	30.7	31.5	32.0
Shower energy consumption ² (kW)	12.3	18.9	25.1
Recovered energy ³ (kW)	3.6	5.1	6.5
Pressure drop domestic water (kPa)	13.9	36.2	50.0
Efficiency of recovery unit (%)	29.4	27.2	25.8

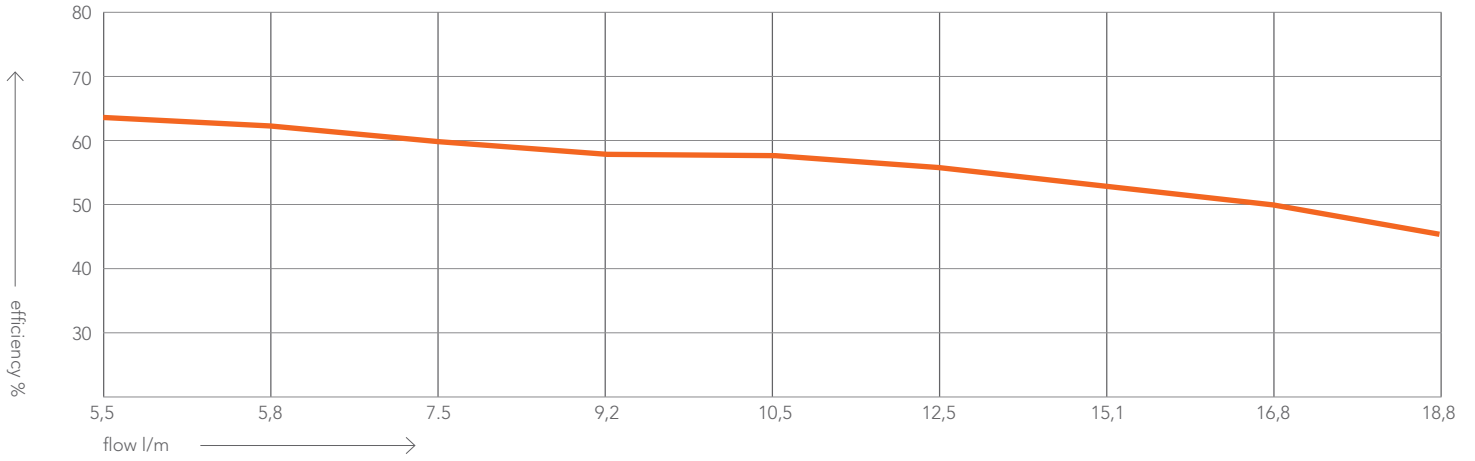
¹Standard test conditions ²Energy consumption in kW = kg/s * 4,2 * (T3 - T1) ³Energy recovered kW = shower flow rate kg/s * 4,2 * (T2 - T1)

ACCESSORIES

Horizontal SHRU Shower Valve (not suitable for Horizontal iZi SHRU)	7036403
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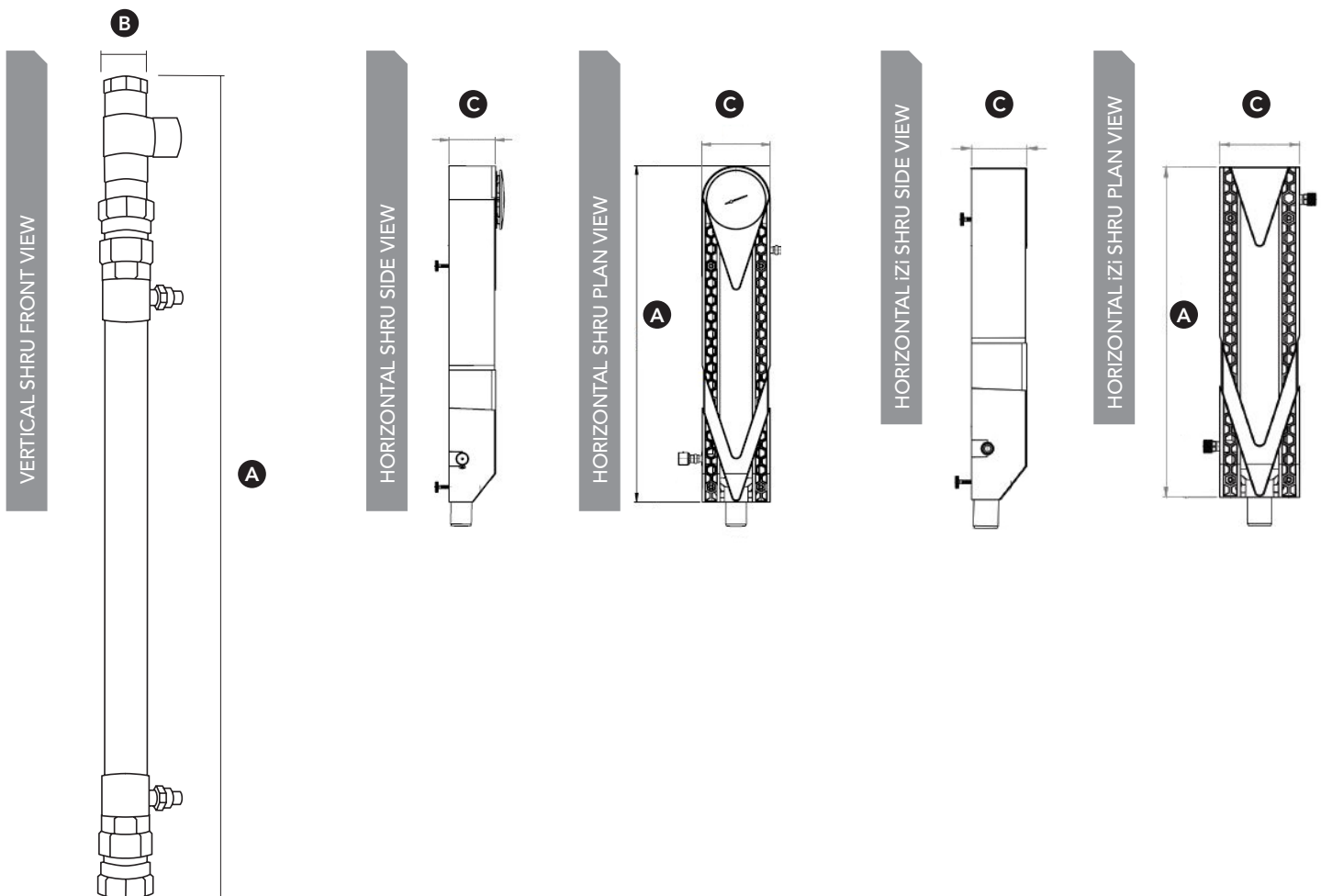
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VERTICAL SHRU EFFICIENCY



DIMENSIONS

Model	Vertical SHRU	Horizontal SHRU	Horizontal iZi SHRU
A Overall length without fittings (mm)	2060	650	540
B Outside diameter of external tube	42		
C Width		130	130
D Height		90	90



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CODES OF PRACTICE/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).

Megaфло Vertical SHRU approvals:

- WRAS Approved 1205386

Megaфло Horizontal SHRU & iZi SHRU approvals:

- WRAS Approved 1312074



For more information
01603 420220 | enquiries@megaфло.com
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Megaфло may introduce modifications to their products from time to time. Consequentially the details given in this data sheet are subject to alteration without notice.



Please recycle this product once you have finished with it

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