



# Range Overview

The most efficient Heat Interface Unit (HIU) on the market, highly efficient heat pumps, low emission boilers and powerful hot water production.

At Modutherm, we have commercial heating covered.



# About Modutherm®



At Modutherm, we are dedicated to providing **high-performance, energy-efficient heating solutions**. Our extensive product range is designed to meet the demands of residential, commercial, and industrial applications, offering **reliability, efficiency, and long-term sustainability**.

With a strong focus on innovation, we deliver advanced heating technologies, from state-of-the-art heat interface units and powerful air source heat pumps to high-efficiency commercial boilers and large-scale hot water storage solutions. Whether you're designing a new project or upgrading an existing system, our products are built to **optimise performance and energy efficiency**.



## Comprehensive Support & Servicing

To further support our customers, we offer dedicated service plans designed to maintain efficiency and reliability long after installation. From annual servicing to fully inclusive maintenance contracts, our nationwide team of expert engineers provides professional aftercare and technical assistance when you need it.



## Expert Guidance & Industry Experience

Beyond our industry-leading product range, we understand the importance of expert guidance and long-term support. Our nationwide specification sales team, backed by over 100 years of combined industry experience, works closely with consultants, contractors, and building operators to ensure the right solution is selected for every project.

## Explore Our Full Range

This brochure provides an overview of Modutherm's innovative heating solutions. Inside, you'll find insights into our key products and services, helping you understand how our solutions can support your next project.

For the full product range, including detailed specifications & performance data, visit [www.modutherm.co.uk](http://www.modutherm.co.uk).

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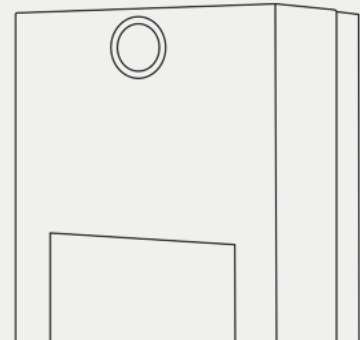
## Heat Networks

Our flexible range of Heat Interface Units (HIUs), heat stations and commercial heat pumps are perfect for the latest fourth and fifth generation heat networks.

**MTA Plus** Twin  
**MTA Eco** Twin  
**MTA Single**

**MTA Eco** Twin Zone  
**MTA DHW**  
**Alterra WZSV 63**

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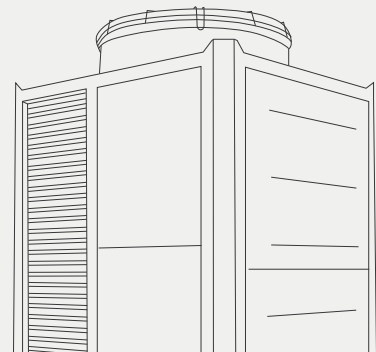
## Heat Pumps

Modutherm air source heat pumps are at the forefront of renewable technology. We have a wide range of products suitable for specification into new and existing projects.

**Hybrox**  
**AW290**  
**Juniper HP Plus**

**Standard Buffer Vessels**  
**Heat Pump Buffer Vessels**  
**External Buffer Vessels**

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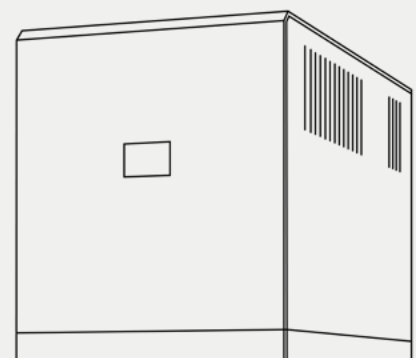
## Boilers

Wall hung or floor standing, Modutherm offers a wide range of gas commercial boilers. The range also includes the latest in commercial electric boiler technology.

**Genesis WM**  
**Genesis FS**  
**Genesis FS Plus**

**Genesis Eco**  
**CoilMaster**

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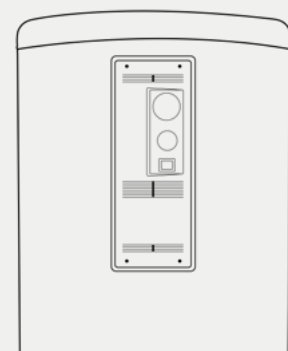
## Hot Water Production

Modutherm offers large scale hot water storage and production, thanks to our range of stainless steel calorifiers, Polywarm® calorifiers and plate heat exchangers.

**Scimitar**  
**Juniper PW**  
**Juniper PW XL**

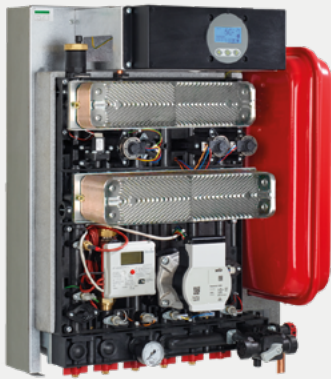
**Juniper SS**  
**Juniper SS XL**  
**Juniper PRS**

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# Heat Networks

Our flexible range of Heat Interface Units (HIUs), heat stations and commercial heat pumps are perfect for the latest fourth and fifth generation heat networks. Our *heat pump ready* HIU, the MTA Plus Twin, is the most efficient HIU on the market.



## MTA Plus Twin

- *Heat pump ready* heat interface unit
- Indirect heating & domestic hot water
- Heating output up to 27kW
- DHW output up to 107kW
- Unique composite HydraBlok® backplate
- Most efficient HIU on the market

BESA

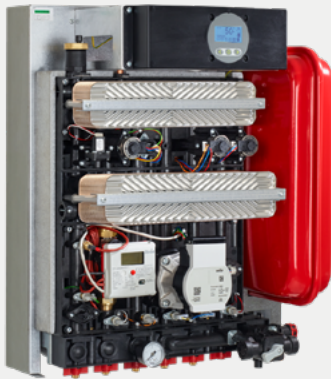
BESA 3.0  
Registered

5

5 Year  
Warranty\*

WRAS

WRAS  
Approved



## MTA Eco Twin

- Heat interface unit
- Indirect heating & domestic hot water
- Heating output up to 21kW
- DHW output up to 90kW
- Unique composite HydraBlok® backplate

BESA

BESA  
Registered

5

5 Year  
Warranty\*

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Approved



## MTA Single

- *Heat pump ready* heat interface unit
- Direct heating & indirect domestic hot water (Single Plate)
- 2 models (MTA Eco Single/MTA Plus Single)
- Heating output up to 19kW
- DHW output up to 90kW/107kW (Eco/Plus)
- Unique composite HydraBlok® backplate

BESA

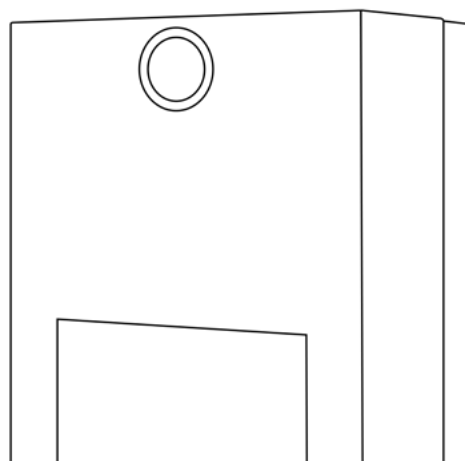
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Registered

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5 Year  
Warranty\*

WRAS

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Approved



## MTA Eco Twin Zone

- Heat interface unit
- Indirect heating (Single Plate)
- Heating output up to 23kW
- Unique composite HydraBlok® backplate

**BESA**

BESA  
Registered

**5**

5 Year  
Warranty\*

**WRAS**

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Approved



## MTA DHW

- Heat interface unit
- Indirect domestic hot water (Single Plate)
- 2 models (MTA Eco Single/MTA Plus Single)
- DHW output up to 90kW/107kW (Eco/Plus)
- Unique composite HydraBlok® backplate

**BESA**

BESA  
Registered

**5**

5 Year  
Warranty\*

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## Alterra WZSV 63

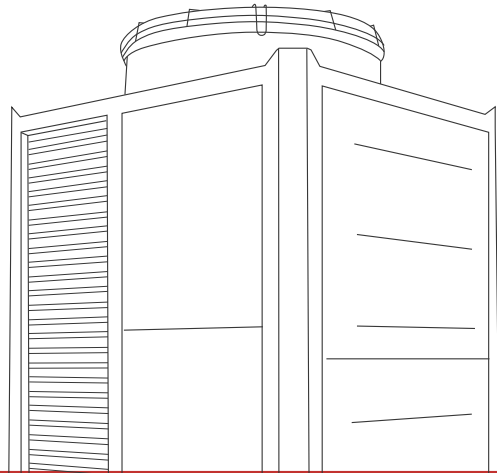
- Heat stations for ambient loop systems
- Outputs up to 7.09kW
- COP of up to 4.75
- Completely pre-assembled including 178 litre domestic hot water cylinder
- Domestic hot water, heating and comfort cooling
- 6kW back-up electrical elements (DHW and heating)

**2**

2 Year  
Warranty\*

# Heat Pumps

Modutherm air source heat pumps are at the forefront of renewable technology. We have a wide range of products suitable for specification into new and existing projects. The range consists of outdoor models with heating outputs ranging from 10-100kW.



## Hybrox

- Reversible air source heat pump
- Output range of 10/13/18kW
- COP of up to 5.55
- Operating up to 78°C
- Cascade installations of up to 4 units
- R290 natural refrigerant

2

2 Year Compressor Warranty\*

2

2 Year Parts Warranty\*



## AW290

- Reversible air source heat pump
- Output range of 35/50/100kW
- COP of up to 4.40
- A+++ (35/55°C) energy efficiency
- Operating up to 85°C
- Cascade installations of up to 16 units can provide output up to 1600kW
- R290 natural refrigerant

5

5 Year Compressor Warranty\*

2

2 Year Parts Warranty\*



LEFT HAND

RIGHT HAND

## Juniper HP Plus

- 200/300 litre heat pump water heater
- Stainless steel tank
- COP up to 4.09 & A++ efficiency
- Left & right hand connections
- Removable split top for easy servicing
- R290 natural refrigerant
- Perfect for electric apartment heating paired with Solene Electric radiators

5

5 Year Tank Warranty\*

2

2 Year Parts Warranty\*

SAP

Listed in SAP Appendix Q

# Buffer Vessels

A range of Buffer Vessels / Thermal Stores & Expansion Vessels are available to complement Modutherm's heating appliances, with capacities ranging from 100-20,000 litres.



## Standard Buffer Vessels

- Mild steel construction
- Capacity range of 200-5000L
- Select models available from stock, fast delivery or made to order
- 99°C maximum temperature
- 3 bar / 6 bar working pressure
- Connection for immersion heater

5

5 Year Tank Warranty\*



## Heat Pump Buffer Vessels

- Mild steel construction
- Capacity range of 500-5000L
- Suitable for heating or cooling
- Select models available from stock or made to order
- 90°C maximum temperature
- 6 bar working pressure
- Connection for immersion heater

5

5 Year Tank Warranty\*



## External Buffer Vessels

- Suitable for outdoor installation
- Mild steel construction
- Capacity range of 100-5000L
- Suitable for heating or cooling
- 100-2000L – Galvanised and painted metallic cover
- 2500-5000L – Dismountable aluminium external cover
- 90°C maximum temperature

5

5 Year Tank Warranty\*

# Boilers

Wall hung or floor standing, Modutherm offers a wide range of gas commercial boilers with outputs from 41-1156kW. The range also includes the latest in commercial electric boiler technology, providing outputs from 36-504kW.



## Genesis WM

- Stainless steel wall mounted condensing boiler
- 5 models
- Output range from 41-149kW
- Efficiency up to 108% net
- High modulation ratio: 10:1
- Cascade installations up to 900kW
- Class 6 NOx emissions
- Natural gas or LPG

5

5 Year Heat Exchanger Warranty\*

2

2 Year Parts Warranty\*



## Genesis FS

- Stainless steel floor standing condensing boiler
- 5 models
- Output range from 124-300kW
- Efficiency up to 108% net
- High modulation ratio: 10:1
- Cascade installations up to 16 boilers
- Class 6 NOx emissions
- Natural gas or LPG

10

10 Year Heat Exchanger Warranty\*

5

5 Year Parts Warranty\*



## Genesis FS Plus

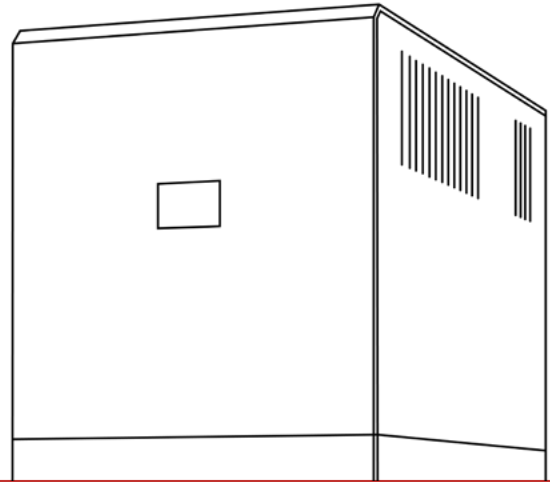
- Stainless steel floor standing condensing boiler
- 7 models
- Output range from 318-1156kW
- Efficiency up to 108% net
- High modulation ratio: 7:1
- Cascade installations up to 16 boilers
- Class 6 NOx emissions
- Natural gas or LPG

10

10 Year Heat Exchanger Warranty\*

5

5 Year Parts Warranty\*



## Genesis Eco

- Floor standing electric boiler
- 13 models
- Output range from 36-504kW
- Cascade installations available
- Silent operation

2

2 Year Warranty\*



## CoilMaster

- Stainless steel gas fired boiler/water heater
- 6 models
- Output range from 37-124kW
- High modulation ratio: 10:1
- Class 6 NOx emissions

5

5 Year Heat Exchanger Warranty\*

2

2 Year Parts Warranty\*

# Hot Water Production

Modutherm offers large scale hot water storage and production in a commercial capacity, thanks to our range of stainless steel and Polywarm® calorifiers. A range of Plate Heat Exchangers is also available for instantaneous and indirect hot water production.



## Scimitar

- Stainless steel tank-in-tank calorifier
- 3 models
- 200/300/500 litre capacity
- Large DHW production capacity
- Anti-legionella design
- Available from stock

5

5 Year Tank Warranty\*



## Juniper PW

- Polywarm® enamel hot water calorifier
- Single coil models available from stock
- Single coil calorifiers with 500-1500 litre capacity
- Twin coil calorifiers with 500-1500 litre capacity
- Storage vessels with 500-3000 litre capacity

5

5 Year Tank Warranty\*

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## Juniper PW XL

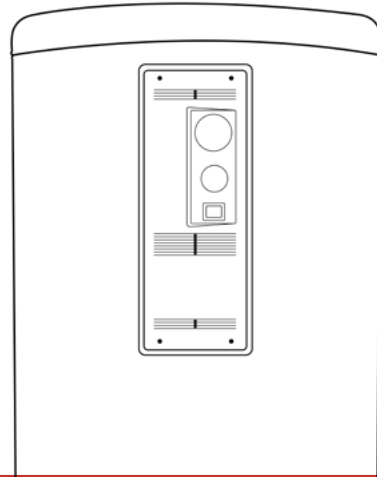
- Polywarm® enamel heat pump calorifier
- 6 models
- 200-1000 litre capacity
- Cathode protection

5

5 Year Tank Warranty\*

WRAS

WRAS Approved



## Juniper SS

- Stainless steel hot water calorifer
- Single coil models available from stock
- Single coil calorifiers with 500-2000 litre capacity
- Twin coil calorifiers with 500-2000 litre capacity
- Storage vessels with 500-3000 litre capacity

5

5 Year Tank Warranty\*



## Juniper SS XL

- Stainless steel heat pump calorifer
- 10 models
- Single coil calorifiers with 200-1000 litre capacity
- Twin coil calorifiers with 200-1000 litre capacity

5

5 Year Tank Warranty\*



## Juniper PRS

- Instantaneous & semi-instantaneous plate heat exchangers
- Single/twin pump models
- High/low temperature models
- 316L stainless steel plates
- Up to 10 bar working pressure

2

2 Year Warranty\*

**Modutherm Limited**  
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