

## CI-NERGY CONDENSATE RECOVERY UNITS

Amarinth Ci-Nergy condensate recovery units are manufactured solely by Amarith Ltd. The units perform a critical role in the overall system recovering condensate, ensuring that the maximum latent energy is retained. They are typically used in industrial buildings such as factories and hospitals. Ci-Nergy is unique in the way it automatically manages the flow of steam back to the boiler using intelligent sensing and variable speed technology.



### General description

A range of intelligent condensate recovery units manufactured using, stainless steel tanks, and variable speed technology to continually deliver the optimum return of condensate to the boiler.

### Construction

Heavy duty, modular design with integral intelligent control unit

### Design methodology

Advanced computer techniques including 3D modelling, FEA & CFD

### Design pressure rating

Vented operation

### Temperature rating

120°C (standard construction)

### Operating temperature

Up to 98°C

### Flowrate

Up to 35,000kg/h

### Differential head

Up to 35m

### Speed

Variable

### Control gear

Electronic pressure sensors linked to an intelligent PLC

### Configurations

Simplex unit

### Design life

20 years (2 years uninterrupted operation)

For more information contact our sales engineer direct on +44 (0)1394 421 932.  **Amarinth**

## SERIES III - CONDENSATE RECOVERY UNITS

Amarinth Series III condensate recovery units are manufactured solely by Amarith Ltd. The units perform a critical role in the overall system recovering condensate, ensuring that the maximum latent energy is retained. They are typically used in industrial buildings such as factories and hospitals. Series III condensate recovery units are manufactured in 5 tank sizes and incorporate a control panel and a Amarith low NPSH pumps.



### General description

Packaged condensate recovery unit incorporating a horizontal receiver with single or twin close coupled motor pumps and control gear.

### Construction

Steel receiver with integral control unit and pump

### Design methodology

Advanced computer techniques including 3D modelling, FEA & CFD

### Design pressure rating

Vented operation

### Temperature rating

120°C (standard construction)

### Operating temperature

Up to 98°C

### Flowrate

Up to 35,000kg/h

### Differential head

Up to 35m

### Speed

Up to 3600 rpm

### Control gear

Float operated magnetic level switch linked to control panel

### Configurations

Duplex unit (two pumps)

### Design life

20 years (2 years uninterrupted operation)

For more information contact our sales engineer direct on +44 (0)1394 421 932.  **Amarinth**

## M SERIES - CONDENSATE RECOVERY UNITS

Amarinth M Series condensate recovery units are manufactured solely by Amarith Ltd. The units perform a critical role in the overall system recovering condensate, ensuring that the maximum latent energy is retained. They are typically used in industrial buildings such as factories and hospitals. M Series condensate recovery units are compact and incorporate a control panel and a Amarith low NPSH pump.



<b>General description</b>	Compact packaged condensate recovery unit incorporating a vertical galvanised receiver with single close coupled motor pump and control gear pre wired ready for use
<b>Construction</b>	Steel receiver with integral control unit and pump
<b>Design methodology</b>	Advanced computer techniques including 3D modelling, FEA & CFD
<b>Design pressure rating</b>	Vented operation
<b>Temperature rating</b>	120°C (standard construction)
<b>Operating temperature</b>	Up to 98°C
<b>Flowrate</b>	Up to 2,000kg/h
<b>Differential head</b>	Up to 35m
<b>Speed</b>	Up to 3600 rpm
<b>Control gear</b>	Float operated magnetic level switch linked to control panel
<b>Configurations</b>	Simplex unit
<b>Design life</b>	20 years (2 years uninterrupted operation)

For more information contact our sales engineer direct on +44 (0)1394 421 932.  **Amarinth**