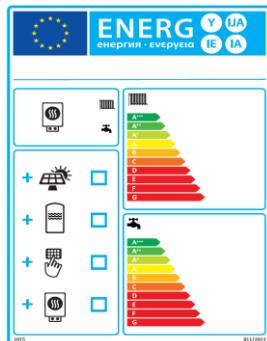




## **ORIGEN COMPLETE PRICELIST**

### **2016**



ErP Compliant Product Range



FURRY PARK IND. ESTATE  
SANTRY  
DUBLIN 9  
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NAAS ROAD  
DUBLIN 12  
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SOUTH RING WEST BUS. PARK  
TRAMORE ROAD  
CORK  
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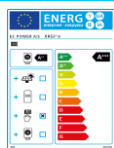
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## Micro Combined Heat & Power (Modulating) - Price List 2016

### 6kW Micro Combined Heat & Power Station



#### Description

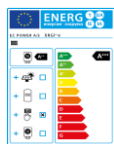
XRGI 6 Micro Combined Heat & Power Unit  
Modulating Electrical & Heating Output  
2.5kWe - 6kWe Electrical Output  
8kWth - 13.5kWth Heating Output  
Electrical Efficiency Up To 30.6%  
Heating Efficiency Up To 68.5%  
Overall Efficiency Up To 98.9%

Code  
XRGI6

Euro  
POA



### 9kW Micro Combined Heat & Power Station



#### Description

XRGI 9 Micro Combined Heat & Power Unit  
Modulating Electrical & Heating Output  
4kWe - 9kWe Electrical Output  
12kWth - 21.3kWth Heating Output  
Electrical Efficiency Up To 30.6%  
Heating Efficiency Up To 72.7%  
Overall Efficiency Up To 103.3%

Code  
XRGI9

Euro  
POA



### 15kW Micro Combined Heat & Power Station



#### Description

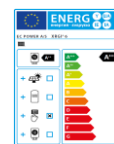
XRGI 15 Micro Combined Heat & Power Unit  
Modulating Electrical & Heating Output  
6kWe - 15kWe Electrical Output  
17kWth - 33kWth Heating Output  
Electrical Efficiency Up To 30.5%  
Heating Efficiency Up To 66.9%  
Overall Efficiency Up To 97.7%

Code  
XRGI15

Euro  
POA



### 20kW Micro Combined Heat & Power Station



#### Description

XRGI 20 Micro Combined Heat & Power Unit  
Modulating Electrical & Heating Output  
10kWe - 20kWe Electrical Output  
25kWth - 42.2kWth Heating Output  
Electrical Efficiency Up To 32.9%  
Heating Efficiency Up To 69.4%  
Overall Efficiency Up To 102.3%

Code  
XRGI20

Euro  
POA



### Accessories



#### Description

500 Litre Buffer 6 Bar Rated c/w Control Panel  
800 Litre Buffer 6 Bar Rated c/w Control Panel  
1,000 Litre Buffer 6 Bar Rated c/w Control Panel  
Condensing Kit For XRGI Unit's (Increases Heat Output)  
Load Sharer S For Cascade System's  
ModBus Gateway ( One Per XRGI Unit)

#### Code

01KIT2607  
01KIT2608  
01KIT2609  
01KIT2616  
01ELT2069  
01ELT2067

#### Euro

POA  
POA  
POA  
POA  
POA  
POA

Each mCHP unit c/w Stainless Steel Flue Connection Kit: Power Unit Adaptor, 150Ø Bracket, Condensate Trap 250mm incl. Siphon, Isolation Piece, Stainless Band & Angle 90° w/1/2" Threaded Sleeve.

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Web: [www.origen.ie](http://www.origen.ie)




**ROBUR GAS FIRED HEAT PUMP HIGH TEMPERATURE (K18)**

	DESCRIPTION	Code	Price/ Each
	19kW NAT. GAS / LPG FIRED ABSORPTION HEAT PUMP, AIR SOURCE MODEL ( 65°C HEATING & 70°C HOT WATER)	K18	€ 8,684
	ROBOUR K18 SYSTEM CONTROLLER (HEATING & DHW)	OQLT017	€ 1,225
	ROBOUR K18 TEMPERATURE CONTROLLER (1 PER FLOOR)	ODSP004	€ 235
	ROBOUR K18 CONTROL CABLE 8 CORE 0.75MM2 LI - YcY (PER METRE)	OCVO009	€ 67
	ROBUR OUTDOOR TEMPERATURE SENSOR FOR WETHER COMPENSATION	OSND003	€ 23
	ROBOUR K18 ANTI-VIBRATION PADS (6 NO.)	ONTVO14	€ 60
	ROBOUR K18 WATER TEMPERATURE PROBE	OSND004	€ 25
	ROBOUR 3 PORT MOTORISED VALVE (HTG-DHW)	OVLV007	€ 114


**ROBUR OUTDOOR AIR SOURCE HEAT PUMP (GAHP-A)**

	DESCRIPTION	Code	Price/Each
	40kW NAT. GAS / LPG FIRED ABSORPTION HEAT PUMP, AIR SOURCE MODEL ( 65°C HEATING & 70°C HOT WATER)	FQMH00111A	€ 12,500
	40kW NAT. GAS / LPG FIRED ABSORPTION HEAT PUMP, AIR SOURCE MODEL ( 65°C HEATING & 70°C HOT WATER) (LOW NOISE VERSION 40dBA)	FQMH00113A	€ 14,200
	DIRECT DIGITAL CONTROL PANEL FOR GAHP	OCRM007	€ 480
	TEMPERATURE PROBE FOR DDC PANEL	OSND007	€ 35
	HIGH EFFICIENCY HIGH HEAT CIRCULATING PUMP FOR GAHP	OPMP008	€ 850


**ROBUR OUTDOOR GROUND SOURCE HEAT PUMP (GAHP-GS)**

	DESCRIPTION	Code	Price/Each
	40kW NAT. GAS / LPG FIRED ABSORPTION HEAT PUMP, GEOTHERMAL (65°C HEATING & 70°C HOT WATER)	FEMH00211A	€ 13,100
	DIRECT DIGITAL CONTROL PANEL FOR GAHP	OCRM007	€ 480
	TEMPERATURE PROBE FOR DDC PANEL	OSND007	€ 35
	HIGH EFFICIENCY HIGH HEAT CIRCULATING PUMP FOR GAHP	OPMP008	€ 850


**ROBUR OUTDOOR AIR SOURCE HEAT PUMP - REVERSIBLE HEATING & COOLING (GAHP-AR)**

	DESCRIPTION	Code	Price/Each
	38kW NAT. GAS / LPG FIRED ABSORPTION HEAT PUMP, AIR SOURCE MODEL ( 60°C HEATING & 3°C COOLING)	FR100011A	€ 14,000
	38kW NAT. GAS / LPG FIRED ABSORPTION HEAT PUMP, AIR SOURCE MODEL ( 60°C HEATING & 3°C COOLING) (LOW NOISE VERSION 49dBA)	FR100012A	€ 15,250
	DIRECT DIGITAL CONTROL PANEL FOR GAHP	OCRM007	€ 480
	TEMPERATURE PROBE FOR DDC PANEL	OSND007	€ 35
	HIGH EFFICIENCY HIGH HEAT CIRCULATING PUMP FOR GAHP	OPMP008	€ 850

**ROBUR OUTDOOR WELL WATER / OPEN LOOP SOURCE HEAT PUMP (GAHP-WS)**

	DESCRIPTION	Code	Price/Each
	44kW NAT. GAS / LPG FIRED ABSORPTION HEAT PUMP, WELL WATER (65°C HEATING & 70°C HOT WATER)	FWM000211A	€ 13,100
	DIRECT DIGITAL CONTROL PANEL FOR GAHP	OCRM007	€ 480
	TEMPERATURE PROBE FOR DDC PANEL	OSND007	€ 35
	HIGH EFFICIENCY HIGH HEAT CIRCULATING PUMP FOR GAHP	OPMP008	€ 850

**ROBUR OUTDOOR COMBINED AIR SOURCE HEAT PUMP & BOILER PACKAGE (AHAY)**

	DESCRIPTION	Code	Price/Each
	73kW NAT. GAS / LPG FIRED ABSORPTION HEAT PUMP & BOILER, COMBINED (65°C HEATING & 80°C HOT WATER) SIMULTANIOUS HEATING & HOT WATER @ DIFFERENT TEMPERATURES VIA 4 PIPE CONNECTION	FH4000011A	€ 17,950
	DIRECT DIGITAL CONTROL PANEL FOR AHAY	OCRM019	€ 840
	TEMPERATURE PROBE FOR DDC PANEL	OSND007	€ 35
	HIGH EFFICIENCY HIGH HEAT CIRCULATING PUMP FOR GAHP	OPMP008	€ 850

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## ROBUR OUTDOOR COMBINED REVERSIBLE AIR SOURCE HEAT PUMP & BOILER PACKAGE FOR HEATING & COOLING (ARAY)

		<b>DESCRIPTION</b> 72kW NAT. GAS / LPG FIRED ABSORPTION HEAT PUMP & BOILER, COMBINED (60°C HEATING & 3°C COOLING) <i>SIMULTANEOUS HEATING / HOT WATER AND COOLING VIA 4 PIPE CONNECTION</i>	<b>Code</b> FR4000011A	<b>Price/Each</b> € 19,450
		DIRECT DIGITAL CONTROL PANEL FOR ARAY	OCRM019	€ 940
		TEMPERATURE PROBE FOR DDC PANEL	ONTVO14	€ 35
		HIGH EFFICIENCY HIGH HEAT CIRCULATING PUMP FOR GAHP	OPMP008	€ 850



## ROBUR OUTDOOR GAS FIRED CHILLER FOR COOLING (ACF)

	<b>DESCRIPTION</b> 18kW NAT. GAS / LPG FIRED ABSORPTION CHILLER, SKIDS UP TO 140KW AVAILABLE (3°C COOLING) 18kW NAT. GAS / LPG FIRED ABSORPTION CHILLER, SKIDS UP TO 140KW AVAILABLE (3°C COOLING) LOW NOISE (LOW NOISE VERSION 49dBA)	<b>Code</b> FM100011A FM100012A	<b>Price/Each</b> € 9,225 € 10,350
	DIRECT DIGITAL CONTROL PANEL FOR ACF	OCRM007	€ 480
	TEMPERATURE PROBE FOR DDC PANEL	OSND007	€ 35
	HIGH EFFICIENCY HIGH HEAT CIRCULATING PUMP FOR GAHP	OPMP008	€ 850


## ROBUR OUTDOOR GAS FIRED CHILLER FOR COOLING & HOT WATER (ACF-HR)

	<b>DESCRIPTION</b> 32kW NAT. GAS / LPG FIRED ABSORPTION CHILLER & HOT WATER HEATER (58°C HEATING & 3°C COOLING 18kW) 32kW NAT. GAS / LPG FIRED ABSORPTION CHILLER & HOT WATER HEATER (58°C HEATING & 3°C COOLING 18kW) (LOW NOISE VERSION 49dBA)	<b>Code</b> FD100011A FD100012A	<b>Price/Each</b> € 10,050 € 11,200
	DIRECT DIGITAL CONTROL PANEL FOR ACF-HR	OCRM007	€ 480
	TEMPERATURE PROBE FOR DDC PANEL	OSND007	€ 35
	HIGH EFFICIENCY HIGH HEAT CIRCULATING PUMP FOR GAHP	OPMP008	€ 850

## ROBUR OUTDOOR GAS FIRED PREFABRICATED SKIDS FOR HEATING & COOLING

	<b>DESCRIPTION</b> FULL RANGE OF BESPOKE CASCADE SYSTEMS CAN BE PREFABRICATED TO ORDER PROVIDING HEATING, HOT WATER & COOLING FROM A FACTORY APPROVED SYSTEM	<b>Code</b> TBC	<b>Price/Each</b> POA
			

## ACCESSORIES FOR ROBUR OUTDOOR GAS FIRED RANGE

	<b>DESCRIPTION</b> COMFORT CONTROL INTERFACE PANEL (CCI)	<b>Code</b> OCRM012	<b>Price/Each</b> € 525
	RB100 PLANT CONTROL INTERFACE FOR HOT WATER WITH ROBUR UNITS ONLY	ODSP014	€ 480
	RB100 PLANT CONTROL INTERFACE FOR AHAY UNIT CONTROLLING HOT WATER	ODSP026	€ 600
	RB200 PLANT CONTROL INTERFACE FOR 3RD PARTY / EXTERNAL PLANT	ODSP020	€ 785
	CAN BUS CABLE FOR CASCADE CONNECTION	OCVO008	€7 / METRE
	IMMERSION TEMPERATURE PROBE	OSND004	€ 13
	VIBRATION DAMPERS FOR SINGLE GAHP UNIT	ONTVO12	€ 165

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## District Heating - Heat Interface Units Price List 2016

### Indirect Heating - Instant DHW HIU - Dual PHE - VVX Range



**Description**

Danfoss VVX Dual Plate Heat Interface Unit  
 Instant DHW - Rating Up to 21 L/Min @ 70°C Primary.  
 Fully Isolated Apartment Heating - Rating Up To 50kW  
*c/w Apartment heating pump, differential pressure controller,  
 heating expansion vessel, heating safety relief valve,  
 ball valves, insulation for HIU incl. plate heat exchangers,  
 air vent, strainer valve & kWh heat meter for monitoring / billing.*

**Code**

VVX

**Euro**

POA

### Direct Heating - Instant DHW HIU - VMTDF Range



**Description**

Danfoss VMTDF Single Plate Heat Interface Unit  
 Instant DHW - Rating Up to 21 L/Min @ 70°C Primary.  
 direct Apartment Heating - Rating As Required.  
*c/w differential pressure controller, ball valves,  
 insulation for HIU incl. plate heat exchanger  
 & kWh heat meter for monitoring / billing.*

**Code**

VMTDF

**Euro**

POA

### Indirect Heating - Seperate DHW HIU - VX Range



**Description**

Danfoss VX Single Plate Heat Interface Unit  
 Stored DHW Via Separate Cylinder Located In Dwelling.  
 Fully Isolated Apartment Heating - Rating Up To 50kW  
*c/w Apartment heating pump, differential pressure controller,  
 heating expansion vessel, heating safety relief valve,  
 ball valves, insulation for HIU incl. plate heat exchanger,  
 air vent, strainer valve & kWh heat meter for monitoring / billing.*

**Code**

VX

**Euro**

POA

### Accessories



**Description**

Danfoss TP7001M Timeclock & Thermostat

**Code**

TP7001M

**Euro**

POA

Danfoss MBUS Cold Water Meter For HIU

CoronaE

POA

Dual Zone Control Pack For HIU  
*(Apartments > 100 sq m)*

D2ZCP

POA

Danfoss Automatic Meter Reading System

AMR

POA

Danfoss FJV Anti Dead Leg Valve

FJV

POA

Danfoss Return Temperature Limiter

FJVR

POA

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## District Heating - Heat Interface Units Price List 2016

### Indirect Heating - Internal DHW Storage HIU - FS Range



#### Description

Evinox Modustat Indirect Storage Heat Interface Unit  
Internal DHW - 80 to 400 Litres Storage Capacity  
Fully Isolated Apartment Heating - Rating 65kW  
*c/w Apartment Leak Detection System, heating pump, heating expansion vessel, heating safety relief valve, non return valve, insulated plate heat exchanger, pressure indepdent control & balancing valve.*

#### Code

FS80  
FS150  
FS200  
FS300  
FS400

#### Euro

POA  
POA  
POA  
POA  
POA

### Indirect Heating - Instant DHW HIU - Dual PHE - TP Range



#### Description

Evinox Modustat Dual Plate Heat Interface Unit  
Instant DHW - Rating Up to 36 L/Min @ 80°C Primary.  
Fully Isolated Apartment Heating - Rating 7kW  
*c/w Apartment Leak Detection System, heating pump, heating expansion vessel, heating safety relief valve, non return valve, two insulated plate heat exchangers, two pressure indepdent control & balancing valves.*

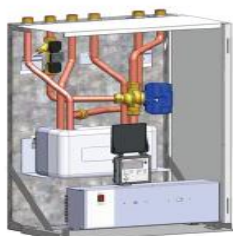
#### Code

MTP40-10  
MTP50-10  
MTP55-10  
MTP60-10

#### Euro

POA  
POA  
POA  
POA

### Direct Heating - Instant DHW HIU - MSP DH Range



#### Description

Evinox Modustat Single Plate Heat Interface Unit  
Instant DHW - Rating 25 L/Min @ 85°C Primary.  
*Direct Apartment Heating - no segregation, c/w heat meter & DHW control valve. ( Control & balancing valves by others. )*

#### Code

SPDH40-10  
SPDH50-10  
SPDH60-10

#### Euro

POA  
POA  
POA

### Indirect Heating - Indirect Seperate DHW HIU - MSP DC Range



#### Description

Evinox Modustat Single Plate Heat Interface Unit  
DHW via separate indiect cylinder control via 3 port,  
*Indirect Heating - complete segregation, c/w heat meter & DHW control valve. ( Control & balancing valves by others. )*

#### Code

SPDC10  
SPDC20  
SPDC30  
SPDC40  
SPDC50

#### Euro

POA  
POA  
POA  
POA  
POA

### Accessories



#### Description

Evinox View Smart Room Controller  
Evinox Acumen Room Controller

#### Code

ZN1RU-TP  
ACU-010

#### Euro

POA  
POA

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# Alpha innoTec Heat Pump Pricelist 2016



## Geothermal Heat Pump c/w Integrated Class A Pumps & 3 Pipe Connection (Single Phase / 230V) Up To 65°C



### Description

4.6kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C)  
 5.8kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C)  
 7.5kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C)  
 10.3kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C)  
 13kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C)  
 Solar Controller LUX2.1 Contoller for solar, boilers, swimming pool etc  
 Central Remote Control Pad for LUX2.1, LWD & LWHAV Contoller

### ErP Rating

A++  
 A++  
 A++  
 A++  
 A++  
 A++  
 A++

### Code

SWC42H1  
 SWC62H1  
 SWC82H1  
 SWC102H1  
 SWC132H1  
 LUX21EP  
 RBE

### Euro

€6,500  
 €6,600  
 €7,000  
 €7,400  
 €7,800  
 €170  
 €170

**iPhone & Internet Control Included.**

Includes: LUX2.1 Controller, Refrigeration Module, Class A Brine & Heating Pump, 3 Port Motorised Diverting Valve, Bypass Valve, 3 Bar Heating Safety Valve, 9kW Element & Outdoor Temperature Sensor For Weather Compensation.

## Geothermal Heat Pump c/w Integrated Class A Brine Pumps (Single Phase / 230V) Up To 65°C



### Description

4.6kW heat pump, integrated class brine A pump - low level compact model. (65°C)  
 5.8kW heat pump, integrated class brine A pump - low level compact model. (65°C)  
 7.5kW heat pump, integrated class brine A pump - low level compact model. (65°C)  
 10.3kW heat pump, integrated class brine A pump - low level compact model. (65°C)  
 13kW heat pump, integrated class brine A pump - low level compact model. (65°C)  
 Solar Controller LUX2.1 Contoller for solar, boilers, swimming pool etc  
 Central Remote Control Pad for LUX2.1, LWD & LWHAV Contoller

### ErP Rating

A++  
 A++  
 A++  
 A++  
 A++  
 A++  
 A++

### Code

SW42H1  
 SW62H1  
 SW82H1  
 SW102H1  
 SW132H1  
 LUX21EP  
 RBE

### Euro

€5,800  
 €5,900  
 €6,300  
 €6,600  
 €6,900  
 €170  
 €170

**iPhone & Internet Control Included.**

Includes: LUX2.1 Controller, Refrigeration Module, Class A Brine Pump & Outdoor Temperature Sensor For Weather Compensation.

## Geothermal Heat Pump c/w Integrated Stainless Steel DHW Tank 186 Litre (Single Phase / 230V) Up To 65°C



### Description

4.6kW heat pump, integrated Stainless Steel DHW tank & Class A pumps. (65°C)  
 5.8kW heat pump, integrated Stainless Steel DHW tank & Class A pumps. (65°C)  
 7.5kW heat pump, integrated Stainless Steel DHW tank & Class A pumps. (65°C)  
 10.3kW heat pump, integrated Stainless Steel DHW tank & Class A pumps. (65°C)  
 13kW heat pump, integrated Stainless Steel DHW tank & Class A pumps. (65°C)  
 Permenant Electric Anode For PWZS Heat Pump Only  
 Solar Controller LUX2.1 Contoller for solar, boilers, swimming pool etc  
 Central Remote Control Pad for LUX2.1, LWD & LWHAV Contoller

### ErP Rating

A++  
 A++  
 A++  
 A++  
 A++  
 150 819 01  
 A++

### Code

PWZS42H1S  
 PWZS62H1S  
 PWZS82H1S  
 PWZS102H1S  
 PWZS132H1S  
 FSA  
 LUX21EP  
 RBE

### Euro

€7,700  
 €8,000  
 €8,300  
 €8,400  
 €8,700  
 €210  
 €170  
 €170

**iPhone & Internet Control Included.**

Includes: LUX2.1 Controller, 186 Litre Stainless Steel DHW Tank, Refrigeration Module, Class A Brine & Heating Pump, 3 Port Motorised Diverting Valve, Bypass Valve, 3 Bar Heating Safety Valve, 9kW Element & Outdoor Temperature Sensor For Weather Compensation.

## Inverter Geothermal Heat Pump c/w Integrated Class A Pumps & 3 Pipe Connection (Single Phase / 230V) Up To 65°C



### Description

6.25kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C)  
 Solar Controller LUX2.1 Contoller for solar, boilers, swimming pool etc  
 Central Remote Control Pad for LUX2.1, LWD & LWHAV Contoller

### ErP Rating

A++  
 A+++

### Code

SWCV62H1  
 LUX21EP  
 RBE

### Euro

€7,300  
 €170  
 €170

**iPhone & Internet Control Included.**

Includes: LUX2.1 Controller, Refrigeration Module, Class A Brine & Heating Pump, 3 Port Motorised Diverting Valve, Bypass Valve, 3 Bar Heating Safety Valve, 6kW Element & Outdoor Temperature Sensor For Weather Compensation.

### Commissioning Extra

Muirfield Drive, Naas Road, Dublin 12  
 Tel: 01 4191940 Fax: 01 4191980  
 Email: [energy@origen.ie](mailto:energy@origen.ie)  
 Web: [www.origen.ie](http://www.origen.ie)

### Carriage Extra

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 Tel: 021 432 1066 Fax: 021 432 1068  
 Email: [energy@origen.ie](mailto:energy@origen.ie)  
 Web: [www.origen.ie](http://www.origen.ie)

### Vat Extra

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 Tel : 01 8427037 Fax: 01 8427045  
 Email: [energy@origen.ie](mailto:energy@origen.ie)  
 Web: [www.origen.ie](http://www.origen.ie)



# Alpha innoTec Heat Pump Pricelist 2016



## Compact Range Geothermal Heat Pump (Single Phase / 230V) Up To 55°C



### Description

12 kW heat pump, 55°C flow, integrated: immersion heater, Class A pumps. (55°C)  
15 kW heat pump, 55°C flow, integrated: immersion heater, Class A pumps. (55°C)  
Solar Controller LUX2.0. Controller for solar, boilers, swimming pool etc

### ErP Rating

A++  
A++

### Code

SWC 120S  
SWC 140S  
LUX2COM

### Euro

€7,800  
€8,500  
€170

*iPhone & Internet Control Included.*

*Includes: LUX2 Controller, Class A Brine Pump, Class A Heating Pump, Bypass Valve, Safety Valve & Expansion Vessel For Heating & Brine Circuits, Pressure Gauges, Isolation Valves for Heating & Brine Circuits, DHW Immersion Element, Comfort Board and Outdoor Temp. Sensor*

## Air To Water Outdoor Heat Pump - High Temperature 70°C (Single Phase / 230V) Up To 70°C



### Description

6.8kW heat pump, 70°C flow, high temperature, anti corrosion model. (70°C)  
9.3kW heat pump, 70°C flow, high temperature, anti corrosion model. (70°C)

### ErP Rating

SEE COMBO  
SEE COMBO

### Code

LWD 50ASX  
LWD 70ASX

### Euro

€6,460  
€6,875

LWD Hydraulic Wall Module c/w controller & class A pump (Indoor) 230V

SEE COMBO

HMD1SE

€1,820

*Includes: LUX2.0 Controller, Immersion, Heating Expansion Vessel, Safety P&T Valve, Class A Heating Pump, Pressure Gauge, Automatic Air Vent, Outdoor Temperature Sensor, Comfort Board & Weather Compensation.*



LWD Hydraulic Wall Module For Cascade c/w controller & class A pump (Indoor)

SEE COMBO

HMD2SE

€2,375

*Includes: LUX2.1 Controller, Immersion, Heating Expansion Vessel, Safety P&T Valve, Class A Heating Pump, Pressure Gauge, Automatic Air Vent, Outdoor Temperature Sensor & Weather Compensation.*

Solar Controller LUX2.0. Controller for solar, boilers, swimming pool etc

LUX2COM

€170

Central Remote Control Pad for LUX2.1, LWD & LWHAV Contoller

A++

RBE

€170

LWD wall bracket - weather coated.

WKS

€175

LWD floor bracket - weather coated.

BKS

€115

LWD wall duct, wall casing DN125, copper pipes 1", insulating material.

WDF

€370

LWD control extension cable for 28m installation: LWD to HMD1S Controller.

VLS25S

€230

LWD hydraulic installation package 1"flexi connection pipes.

IPW1

€80

*iPhone & Internet Control Included.*

## Air To Water Outdoor Heat Pump (Single Phase / 230V) Up To 60°C



### Description

9.8kW heat pump, 58°C flow, integrated immersion heater, anti-corrosion. (58°C)  
12.1kW heat pump, 58°C flow, integrated immersion heater, anti-corrosion. (58°C)  
LW Heat Pump Wall Mounted LUX2 Controller  
Solar Controller LUX2.0. Controller for solar, boilers, swimming pool etc  
LW Heat Pump Control & sensor cable, length: 10m for Luxtronik 2.0  
LW Heat Pump Control & sensor cable, length: 20m for Luxtronik 2.0

### ErP Rating

SEE COMBO  
SEE COMBO

### Code

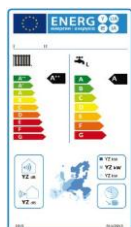
LW 81ASX  
LW 121ASX  
LUX20  
LUX2COM  
STL 10  
STL 20

### Euro

€6,170  
€8,500  
€725  
€170  
€130  
€175

*iPhone & Internet Control Included.*

## Eco-Label Combination Air To Water Outdoor Heat Pump (Single Phase / 230V) Up To 60°C



### Description

LW81ASX & LUX2.0 Controller Combination - ErP Energy Label Rated  
LW121ASX & LUX2.0 Controller Combination - ErP Energy Label Rated  
LWD50ASX & HMD1SE Combination - ErP Energy Label Rated  
LWD70ASX & HMD1SE Combination - ErP Energy Label Rated  
LWD50ASX & LWD50ASX & HMD2SE Combination - ErP Energy Label Rated  
LWD50ASX & LWD70ASX & HMD2SE Combination - ErP Energy Label Rated  
LWD70ASX & LWD70ASX & HMD2SE Combination - ErP Energy Label Rated

### ErP Rating

A+  
A+  
A++  
A+  
A++  
A+  
A+

### Code

LW81ASXLUX2  
LW121ASXLUX2  
LWD50ASXHMD1SE  
LWD70ASXHMD1SE  
LWD5050ASXHMD2SE  
LWD5070ASXHMD2SE  
LWD7070ASXHMD2SE

### Euro

€6,895  
€9,225  
€8,280  
€8,695  
€14,795  
€15,210  
€15,625

*iPhone & Internet Control Included.*

### Commissioning Extra

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Web: [www.origen.ie](http://www.origen.ie)

### Carriage Extra

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### Vat Extra

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Web: [www.origen.ie](http://www.origen.ie)

# Alpha innoTec Heat Pump Pricelist 2016



## Geothermal Heat Pump c/w Integrated Class A Pumps & 3 Pipe Connection (Three Phase / 400V) Up To 65°C



### Description

4.7kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C)  
 6kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C)  
 7.7kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C)  
 9.5kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C)  
 12.2kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C)  
 13.5kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C)  
 16.6kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C)  
 18.6kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C)  
 Solar Controller LUX2.1 Contoller for solar, boilers, swimming pool etc  
 Central Remote Control Pad for LUX2.1, LWD & LWHAV Contoller

### ErP Rating

A++  
 A++  
 A++  
 A++  
 A++  
 A++  
 A++  
 A++  
 A++ / A+++

### Code

SWC42H3  
 SWC62H3  
 SWC82H3  
 SWC102H3  
 SWC122H3  
 SWC142H3  
 SWC172H3  
 SWC192H3  
 LUX21EP  
 RBE

### Euro

€5,900  
 €6,000  
 €6,800  
 €7,300  
 €7,700  
 €8,100  
 €8,600  
 €8,900  
 €170  
 €170

*iPhone & Internet Control Included.*

**Includes: LUX2.1 Controller, Refrigeration Module, Class A Brine & Heating Pump, 3 Port Motorised Diverting Valve, Bypass Valve, 3 Bar Heating Safety Valve, 9kW Element & Outdoor Temperature Sensor For Weather Compensation.**

## Geothermal Heat Pump c/w Integrated Class A Brine Pumps (Three Phase / 400V) Up To 65°C



### Description

4.7kW heat pump, integrated class brine A pump - low level compact model. (65°C)  
 6 kW heat pump, integrated class brine A pump - low level compact model. (65°C)  
 7.7kW heat pump, integrated class brine A pump - low level compact model. (65°C)  
 9.5kW heat pump, integrated class brine A pump - low level compact model. (65°C)  
 12.2kW heat pump, integrated class brine A pump - low level compact model. (65°C)  
 13.5kW heat pump, integrated class brine A pump - low level compact model. (65°C)  
 16.6kW heat pump, integrated class brine A pump - low level compact model. (65°C)  
 18.6kW heat pump, integrated class brine A pump - low level compact model. (65°C)  
 Solar Controller LUX2.1 Contoller for solar, boilers, swimming pool etc  
 Central Remote Control Pad for LUX2.1, LWD & LWHAV Contoller

### ErP Rating

A++  
 A++  
 A++  
 A++  
 A++  
 A++  
 A++  
 A++  
 A++ / A+++

### Code

SW42H3  
 SW62H3  
 SW82H3  
 SW102H3  
 SW122H3  
 SW142H3  
 SW172H3  
 SW192H3  
 LUX21EP  
 RBE

### Euro

€5,300  
 €5,400  
 €6,100  
 €6,500  
 €6,900  
 €7,300  
 €7,700  
 €8,000  
 €170  
 €170

*iPhone & Internet Control Included.*

**Includes: LUX2.1 Controller, Refrigeration Module, Class A Brine Pump & Outdoor Temperature Sensor For Weather Compensation.**

## Inverter Geothermal Heat Pump c/w Integrated Class A Pumps & 3 Pipe Connection (Three Phase / 400V) Up To 65°C



### Description

17 kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C)  
 Solar Controller LUX2.1 Contoller for solar, boilers, swimming pool etc  
 Central Remote Control Pad for LUX2.1, LWD & LWHAV Contoller

### ErP Rating

A++  
  
 A+++

### Code

SWCV162H3  
 LUX21EP  
 RBE

### Euro

€8,800  
 €170  
 €170

*iPhone & Internet Control Included.*

**Includes: LUX2.1 Controller, Refrigeration Module, Class A Brine & Heating Pump, 3 Port Motorised Diverting Valve, Bypass Valve, 3 Bar Heating Safety Valve, 6kW Element & Outdoor Temperature Sensor For Weather Compensation.**

## Geothermal Heat Pump Commerical (Three Phase / 400V) Standard Temperature Up To 55°C



### Description

22.5 kW heat pump brine water, integrated: immersion heater & hydraulics (55°C)  
 32 kW heat pump brine water, integrated: hydraulics (55°C)  
 Solar Controller LUX2.0. Controller for solar, boilers, swimming pool etc

### ErP Rating

A++  
 A++

### Code

SWC 230  
 SWC 330  
 LUX2COM

### Euro

€10,900  
 €14,000  
 €170

*iPhone & Internet Control Included.*

**Includes: LUX2 Controller, Class A Brine & Heating Pump, Bypass Valve, Safety Valve & Expansion Vessel For Heating & Brine Circuits, Pressure Gauges, Isolation Valves for Heating & Brine Circuits and Outdoor Temp. Sensor**

## Compact High Temperature Geothermal Heat Pumps Commercial & District Heating ( Three Phase / 400V) Up To 70°C



### Description

37kW Commercial Compact Heat Pump, Single Stage c/w LUX 2. Controller. (65°C)  
 45kW Commercial Compact Heat Pump, Single Stage c/w LUX 2. Controller. (65°C)  
 57kW Commercial Compact Heat Pump, Single Stage c/w LUX 2. Controller. (65°C)  
 68kW Commercial Compact Heat Pump, Single Stage c/w LUX 2. Controller. (65°C)  
 27kW Commercial Compact Heat Pump, Single Stage c/w LUX 2. Controller. (70°C)  
 54kW Commercial Compact Heat Pump, Single Stage c/w LUX 2. Controller. (70°C)  
 Solar Controller LUX2.0. Controller for solar, boilers, swimming pool etc

### ErP Rating

A++  
 A++  
 A++  
 A++  
 A++  
 A++  
 A++

### Code

SWP 371  
 SWP 451  
 SWP 581  
 SWP 691  
 SWP 291H  
 SWP 561H  
 LUX2COM

### Euro

€14,300  
 €15,000  
 €17,300  
 €18,700  
 €13,000  
 €19,500  
 €170

*iPhone & Internet Control Included.*

## High Temperature Geothermal Heat Pumps Commercial & District Heating ( Three Phase / 400V) Up To 70°C



### Description

70kW Commercial High Output Heat Pump, Two Stage c/w LUX 2 Controller (70°C)  
 88kW Commercial High Output Heat Pump, Two Stage c/w LUX 2 Controller (70°C)  
 100kW Commercial High Output Heat Pump, Two Stage c/w LUX 2 Controller (70°C)  
 107kW Commercial High Output Heat Pump, Two Stage c/w LUX 2 Controller (55°C)  
 125kW Commercial High Output Heat Pump, Two Stage c/w LUX 2 Controller (55°C)  
 161kW Commercial High Output Heat Pump, Two Stage c/w LUX 2 Controller (55°C)  
 Solar Controller LUX2.0. Controller for solar, boilers, swimming pool etc

### ErP Rating

A++  
 > 70kW  
 > 70kW  
 > 70kW  
 > 70kW  
 > 70kW  
 > 70kW

### Code

SWP 700H  
 SWP 850H  
 SWP 1000H  
 SWP 1100  
 SWP 1250  
 SWP 1600  
 LUX2COM

### Euro

€27,500  
 €29,000  
 €30,500  
 €28,700  
 €32,500  
 €35,600  
 €170

*iPhone & Internet Control Included.*

### Commissioning Extra

Muirfield Drive, Naas Road, Dublin 12  
 Tel: 01 4191940 Fax: 01 4191980  
 Email: [energy@origen.ie](mailto:energy@origen.ie)  
 Web: [www.origen.ie](http://www.origen.ie)

### Carriage Extra

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### Vat Extra

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# Alpha innoTec Heat Pump Pricelist 2016



## High Temperature Air To Water Outdoor Heat Pump - High Temperature 70°C (Three Phase / 400V)



### Description

7.1kW heat pump, 70°C flow, high temperature model. (70°C)  
8.5kW heat pump, 70°C flow, high temperature model. (70°C)  
10.1kW heat pump, 70°C flow, high temperature model. (70°C)

### ErP Rating

SEE COMBO  
SEE COMBO  
SEE COMBO

### Code

LWD 50A  
LWD 70A  
LWD 90A

### Euro

€6,500  
€6,900  
€7,100

LWD wall mounted controller (Indoor) 400V

SEE COMBO

HMD 1E

€1,900

*Includes: LUX2.0 Controller, Immersion, Heating Expansion Vessel, Safety P&T Valve, Class A Heating Pump, Pressure Gauge, Automatic Air Vent, Outdoor Temperature Sensor, Comfort Board & Weather Compensation.*

Central Remote Control Pad for LUX2.1, LWD & LWHAV Contoller

A++

RBE

€170

LWD wall bracket - weather coated.

WKS

€175

LWD floor bracket - weather coated.

BKS

€115

LWD wall duct, wall casing DN125, copper pipes 1", insulating material.

WDF

€370

LWD control extension cable for 28m installation: LWD to HMD1E Controller.

VLS25

€220

*iPhone & Internet Control Included.*

## Air To Water Outdoor Heat Pump (Three Phase / 400V) Up To 60°C



### Description

8.1 kW heat pump AW outside , integrated: immersion heater. (60°C)  
9.4 kW heat pump AW outside , integrated: immersion heater. (60°C)  
10.3 kW heat pump AW outside , integrated: immersion heater. (60°C)  
12.8 kW heat pump AW outside , integrated: immersion heater. (60°C)  
14.4 kW heat pump AW outside , integrated: immersion heater. (60°C)  
19.6 kW heat pump AW outside , integrated: immersion heater. (60°C)  
27.3 kW heat pump AW outside , integrated: immersion heater. (60°C)  
35 kW heat pump AW outside. (60°C)

### ErP Rating

SEE COMBO  
SEE COMBO  
SEE COMBO  
SEE COMBO  
SEE COMBO  
SEE COMBO  
SEE COMBO  
SEE COMBO

### Code

LW 71A  
LW 81A  
LW 101A  
LW 121A  
LW 140A  
LW 180A  
LW 251A  
LW 310A

### Euro

€5,800  
€7,300  
€9,700  
€10,300  
€12,100  
€13,400  
€17,100  
€17,700

LW Heat Pump Wall Mounted LUX2.0 Controller

LUX20

€725

Solar Controller LUX2.0. Controller for solar, boilers, swimming pool etc

LUX2COM

€170

LW Heat Pump Control & sensor cable, length: 10m for Luxtronik 2.0

STL 10

€130

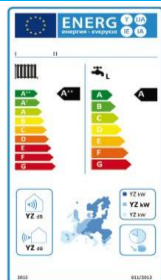
LW Heat Pump Control & sensor cable, length: 20m for Luxtronik 2.0

STL 20

€175

*iPhone & Internet Control Included.*

## Eco-Label Combination Air To Water Outdoor Heat Pump (Three Phase / 400V) Up To 70°C



### Description

LW71A & LUX2.0 Controller Combination - ErP Energy Label Rated  
LW81A & LUX2.0 Controller Combination - ErP Energy Label Rated  
LW101A & LUX2.0 Controller Combination - ErP Energy Label Rated  
LW121A & LUX2.0 Controller Combination - ErP Energy Label Rated  
LW140A & LUX2.0 Controller Combination - ErP Energy Label Rated  
LW180A & LUX2.0 Controller Combination - ErP Energy Label Rated  
LW251A & LUX2.0 Controller Combination - ErP Energy Label Rated  
LW310A & LUX2.0 Controller Combination - ErP Energy Label Rated  
LW160HAV & LUX2.1 Controller Combination - ErP Energy Label Rated

### ErP Rating

A+  
A+  
A++  
A++  
A++  
A++  
A++  
A++  
A++

### Code

LW71ALUX2  
LW81ALUX2  
LW101ALUX2  
LW121ALUX2  
LW140ALUX2  
LW180ALUX2  
LW251ALUX2  
LW310ALUX2  
LW160HAVLUX21

### Euro

€6,525  
€8,025  
€10,425  
€11,025  
€12,825  
€14,125  
€17,825  
€18,425  
€14,000

*iPhone & Internet Control Included.*

## Inverter Air To Water Outdoor Heat Pump - High Efficiency (Three Phase / 400V) Up To 65°C / C.O.P. = 4.76



### Description

16.1KW heat pump AW outside , integrated immersion & circulation pump. (65°C)  
Wall controller for LW160H only Range  
Solar Controller LUX2.1 Contoller for solar, boilers, swimming pool etc  
Central Remote Control Pad for LUX2.1, LWD & LWHAV Contoller

### ErP Rating

A++  
  
  
A+++

### Code

LW160HAV  
LUX21  
LUX21EP  
RBE

### Euro

€13,200  
€800  
€170  
€170

*iPhone & Internet Control Included.*

## Wall Mounted Domestic Hot Water Heat Pump - LTHW - DHW (Single Phase / 230V) Up To 70°C



### Description

2kW DHW Booster Heat Pump Internally Wall Mounted Unit 230V. (70°C)  
Primary side flow setter, thermal actuator, ball valves and fittings.  
Secondary side safety valve, expansion vessel, non-return valve, flow setter, flushing valve, ball valves and fittings.  
Pair of stainless steel flexi connection hoses.  
Strainer

### Code

WWB20  
IPBP  
IPBS  
IPB202  
IPBSF

### Euro

€2,600  
€215  
€215  
€105  
€20

*iPhone & Internet Control Included.*

### Commissioning Extra

### Carriage Extra

### Vat Extra

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Web: [www.origen.ie](http://www.origen.ie)

# Alpha innoTec Heat Pump Pricelist 2016



## Heating & Cooling Buffer Storage Tanks - Heating & Chilled Water



Description	ErP Rating	Code	Euro
60 Litre Buffer Tank For HMD2 Unit Only - Wall Mounted	B	WPS61	€450
200L LTHW Parallel Buffer, 4 connections 1 1/2", c/w DHW Sensor	B	TPS 200	€770
500L LTHW Parallel Buffer, 4 connections 1 1/2", c/w DHW Sensor	B	TPS500.1	€1,280
800L LTHW Parallel Buffer, 8 connections 2", c/w DHW Sensor	> 500 LITRE	TPS 800	€1,580
800L LTHW Parallel Buffer, c/w Solar Coil & DHW Sensor	> 500 LITRE	STPS 800	€2,000
1500L LTHW Parallel Buffer, 8 connections 3", c/w DHW Sensor	> 500 LITRE	TPS 1500	€3,600
2000L LTHW Parallel Buffer, 8 connections 3", c/w DHW Sensor	> 500 LITRE	TPS 2000	€4,200
100L Litre Buffer Tank For LWD Unit Only - Wall Mounted. Chilled Water / Cooling	B	WTPSK100	€670
200L Buffer Tank, 4 connection 1 1/2", Chilled Water / Cooling Model.	B	TPSK 200	€970
500L Buffer Tank, 8 connection 1 1/2", Chilled Water / Cooling Model.	C	TPSK 500	€1,450

## Heat Pump Rated Domestic Hot Water Cylinders - Single & Dual Coil



Description	ErP Rating	Code	Euro
120L Domestic hot water cylinder, c/w heat pump sensor. (WWD20 Model Only)	B	WWS 121	€940
200L Domestic hot water cylinder, c/w heat pump sensor. (LWD Model Only)	B	WWS 202	€1,250
300L Domestic hot water cylinder, c/w heat pump sensor. (15kW Rating)	C	WWS 303	€1,670
362L Domestic hot water cylinder, c/w heat pump sensor. (20kW Rating)	C	WWS 405	€1,920
432L Domestic hot water cylinder, c/w heat pump sensor. (28kW Rating)	C	WWS 507	€2,260
345L Domestic hot water cylinder, c/w heat pump sensor. (15kW Rating) Dual Coil Solar	C	SWWS 404	€2,050
445L Domestic hot water cylinder, c/w heat pump sensor. (18kW Rating) Dual Coil Solar	C	SWWS 506	€2,450
800L Domestic hot water cylinder, c/w heat pump sensor. (18kW Rating) Dual Coil Solar	> 500 LITRE	SWWS 806	€4,300
900L Domestic hot water cylinder, c/w heat pump sensor. (21kW Rating) Dual Coil Solar	> 500 LITRE	SWWS 1008	€5,200

## Tank Accessories & Spare Parts



Description	Article Number	Code	Euro
Immersion Heater For DHW 500 Litre - 1000 Litre Storage, 4.5kW Output.	150 382	EHZI 45	€220
Immersion Heater For DHW 300 Litre - 500 Litre Storage, 4.5kW Output.	150 383	EHZI 45F	€305
Immersion Heater For LTHW Buffer 200 Litre - 800 Litre Storage & MFS Range, 6kW.	150 084	EHZ 60	€210
Immersion Heater For LTHW Buffer 500 Litre - 800 Litre Storage & MFS Range, 7.5kW.	150 088	EHZ 75	€220
Immersion Heater For LTHW Buffer 800 Litre Storage & MFS Range, 9kW.	150 085	EHZ 90	€220
Sacrificial anode for hot water storage tank, as chain anode	150 189	EOA	€110
Sacrificial anode for hot water storage tank, as chain anode for WWS202 Only	150 582	EOA1	€205

## Safety Kits For Geothermal & Air Source Heat Pump Systems



Description	Article Number	Code	Euro
Geothermal Pack: 12L expansion vessel, auto air vent, pressure gauge & relief valve. <i>The SPP12 pack is for heat pumps with an output ranging from 4kW - 10kW</i>	150892VS01	SPP12	€160
Geothermal Pack: 18L expansion vessel, auto air vent, pressure gauge & relief valve. <i>The SPP18 pack is for heat pumps with an output ranging from 12kW - 19kW</i>	150893VS01	SPP18	€170
Geothermal Pack: 24L expansion vessel, auto air vent, pressure gauge & relief valve. <i>The SPP24 pack is for heat pumps with an output ranging from 23kW - 30kW</i>	150894VS01	SPP24	€175



Description	Article Number	Code	Euro
Heating Pack: 25L expansion vessel, auto air vent, pressure gauge & relief valve. <i>The SPS25 pack is for dwellings with up to 200m<sup>2</sup> of UFH or 400 litre system volume.</i>	150895VS01	SPS25	€130
Heating Pack: 35L expansion vessel, auto air vent, pressure gauge & relief valve. <i>The SPS35 pack is for dwellings with up to 560m<sup>2</sup> of UFH or 560 litre system volume.</i>	150896VS01	SPS35	€135
Heating Pack: 50L expansion vessel, auto air vent, pressure gauge & relief valve. <i>The SPS50 pack is for dwellings with up to 630m<sup>2</sup> of UFH or 800 litre system volume.</i>	150897VS01	SPS50	€165
Heating Pack: 80L expansion vessel, auto air vent, pressure gauge & relief valve. <i>The SPS80 pack is for systems with up to 1,280 litre system volume.</i>	150898VS01	SPS80	€220
Heating Pack: 100L expansion vessel, auto air vent, pressure gauge & relief valve. <i>The SPS100 pack is for systems with up to 1,760 litre system volume.</i>	150899VS01	SPS100	€325
Heating Pack: 140L expansion vessel, auto air vent, pressure gauge & relief valve. <i>The SPS140 pack is for systems with up to 2,240 litre system volume.</i>	150900VS01	SPS140	€375

## Passive Cooling Package's For Brine Heat Pumps Externally Mounted



Description	Article Number	Code	Euro
Cooling Package For SWC & WZS Heat Pumps - Externally Mounted (Max 17kW)	150 136	KSE1	€2,050
Dew Point Safety Sensor For Cooling Package	150 139	TW1	€270
Cooling Package For SWC Heat Pumps - Externally Mounted (23kW & 33kW)	150 261	WTK 1	€1,900

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# Alpha innoTec Heat Pump Pricelist 2016



## External Switching Valve : DHW Cylinder To Heating System



Description	Article Number	Code	Euro
3 Port Motorised Diverting Valve HTG - DHW, Size 1"	150 140	USV100	€120
3 Port Motorised Diverting Valve HTG - DHW, Size 1 1/4"	150 231	USV125	€275
3 Port Motorised Diverting Valve HTG - DHW, Size 1 1/2"	150 232	USV150	€650
3 Port Motorised Diverting Valve HTG - DHW, Size 2"	150 744	USV200	€820
3 Port Motorised Diverting Valve HTG - DHW, Size 2 1/2"	150 745	USV250	€1,800
3 Port Motorised Diverting Valve HTG - DHW, Size 3"	150 746	USV300	€2,250
3 Port Motorised Diverting Valve HTG - DHW, Size 4"	150 747	USV400	€2,750
3 Port Motorised Diverting Valve HTG - DHW, Size 5"	150 748	USV500	€3,300

## Heat Pump Rated Fan Coil Radiators c/w Digital Controls & Accessories Up To 5kW Per Radiator



Description	Article Number	Code	Euro
0.4kW - 2.2kW Fan Coil Radiator - Heat Pump Rated - Stand Alone (35°C - 60°C)	150 760 01	GKA 6	€690
0.6kW - 2.9kW Fan Coil Radiator - Heat Pump Rated - Stand Alone (35°C - 60°C)	150 761 01	GKA 11	€700
1.0kW - 5.0kW Fan Coil Radiator - Heat Pump Rated - Stand Alone (35°C - 60°C)	150 762 01	GKA 21	€785
0.4kW - 2.2kW Fan Coil Radiator - Heat Pump Rated - Master Control (35°C - 60°C)	150 763 01	GKM 6	€760
0.6kW - 2.9kW Fan Coil Radiator - Heat Pump Rated - Master Control (35°C - 60°C)	150 764 01	GKM 11	€775
1.0kW - 5.0kW Fan Coil Radiator - Heat Pump Rated - Master Control (35°C - 60°C)	150 765 01	GKM 21	€860
0.4kW - 2.2kW Fan Coil Radiator - Heat Pump Rated - Slave Unit (35°C - 60°C)	150 766 01	GKS 6	€555
0.6kW - 2.9kW Fan Coil Radiator - Heat Pump Rated - Slave Unit (35°C - 60°C)	150 767 01	GKS 11	€565
1.0kW - 5.0kW Fan Coil Radiator - Heat Pump Rated - Slave Unit (35°C - 60°C)	150 768 01	GKS 21	€650
Feet For Fan Coil Radiator (Pair)	150 380 01	GKF	€45
Connecting Kit For Fan Coils; Flexible Pipe's DN 15 (Pair)	150 769 01	GKIP	€45
Condensate pump for fan coil unit.	150 381 01	GKP	€240

## Controller Accessories



Description	Article Number	Code	Euro
Central Remote Control Pad for LUX2.1, LWD & LWHAV Contoller	150 862	RBE	€170
Upgrade kit RBE for LUX c/w Lux LIN RS485 controller & software key.	150 854	USLUXRBE	€340
Lux LIN RS485 controller, software key & RBE Central Control Pad	150 862 VS	KSUXRBE	€510



LW Range Outdoor Air Source Heat Pump Pair Of Control & Sensor Cables: 5 Metre	150 310	STL 5	€105
LW Range Outdoor Air Source Heat Pump Pair Of Control & Sensor Cables: 10 Metre	150 311	STL 10	€130
LW Range Outdoor Air Source Heat Pump Pair Of Control & Sensor Cables: 20 Metre	150 312	STL 20	€175
LW Range Outdoor Air Source Heat Pump Pair Of Control & Sensor Cables: 30 Metre	150 313	STL 30	€220
LW Range Outdoor Air Source Heat Pump Pair Of Control & Sensor Cables: 40 Metre	150 314	STL 40	€255
LW Range Outdoor Air Source Heat Pump Pair Of Control & Sensor Cables: 50 Metre	150 315	STL 50	€280
LW Range Outdoor Air Source Heat Pump Pair Of Control & Sensor Cables: 60 Metre	150 316	STL 60	€320



6m Temperature Sensor For Heating & Domestic Hot Water	150 006	FSW	€25
6m Pair of Temperature Sensor For Solar & Domestic Hot Water	150 175	FSS	€55



Network cable for multicomp.refrigeration systems, patch cable 6, 5m	150 295	NWK 5	€16
Network cable for multicomp. refrigeration systems, patch cable 6, 10m	150 296	NWK 10	€22
Network cable for multicomp. refrigeration systems, patch cable 6, 20m	150 297	NWK 20	€49



Switch for multicompressor refrigeration system, 8 ports	150 298	NWS 8	€225
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4 flange bellow DN 50, SWP 390-820, WWP 500-1100	150 227	IPFK 50/50	€650
4 flange bellow DN 50/DN65 with SWP 1100	150 228	IPFK 50/65	€665
5 flange bellow DN 50/DN65 SWP 1250/1600	150 229	IPFK 65/65	€700

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## HYBRID System: DeDietrich Inverter Air Source Heat Pump Pricelist 2016

### High Efficiency C.O.P. Up To 4.27 & High Temperature 60°C Flow

#### DIEMATIC CONTROL INVERTER DRIVEN HIGH EFFICIENCY - C.O.P. UP TO 4.27


##### AIR SOURCE HEAT PUMP - SINGLE PHASE ( 230V ) HEATING & COOLING - HIGH TEMPERATURE 60°C

	DESCRIPTION	Code	ErP	Price/Each
	14KW DIEMATIC EM MODEL HEAT PUMP C/W 6KW ELECTRICAL BACKUP, 60°C FLOW HIGH TEMPERATURE	16HPIEM	A++	€ 8,990
	14KW HYBRID H MODEL HEAT PUMP C/W BOILER CONNECTIONS, 60°C FLOW HIGH TEMPERATURE	16HPIH	A++	€ 8,390
	11KW DIEMATIC EM MODEL HEAT PUMP C/W 6KW ELECTRICAL BACKUP, 60°C FLOW HIGH TEMPERATURE	11HPIEM	A++	€ 7,890
	11KW HYBRID H MODEL HEAT PUMP C/W BOILER CONNECTIONS, 60°C FLOW HIGH TEMPERATURE	11HPIH	A++	€ 7,300
	8KW DIEMATIC EM MODEL HEAT PUMP C/W 6KW ELECTRICAL BACKUP, 60°C FLOW HIGH TEMPERATURE	8HPIEM	A+++	€ 6,290
	8KW HYBRID H MODEL HEAT PUMP C/W BOILER CONNECTIONS, 60°C FLOW HIGH TEMPERATURE	8HPIH	A+++	€ 5,800
	6KW DIEMATIC EM MODEL HEAT PUMP C/W 6KW ELECTRICAL BACKUP, 60°C FLOW HIGH TEMPERATURE	6HPIEM	A++	€ 5,500
	6KW HYBRID H MODEL HEAT PUMP C/W BOILER CONNECTIONS, 60°C FLOW HIGH TEMPERATURE	6HPIH	A++	€ 5,000
	4KW DIEMATIC EM MODEL HEAT PUMP C/W 6KW ELECTRICAL BACKUP, 60°C FLOW HIGH TEMPERATURE	4HPIEM	A++	€ 5,600
	4KW HYBRID H MODEL HEAT PUMP C/W BOILER CONNECTIONS, 60°C FLOW HIGH TEMPERATURE	4HPIH	A++	€ 5,100

Includes: Controller, 40 Litre decoupling cylinder, 10 Litre heating expansion vessel, pressure gauge, strainer, 3 Bar heating safety valve, automatic air vent & Class A Rated efficiency heating circulation pump.


#### DIEMATIC CONTROL INVERTER DRIVEN HIGH EFFICIENCY

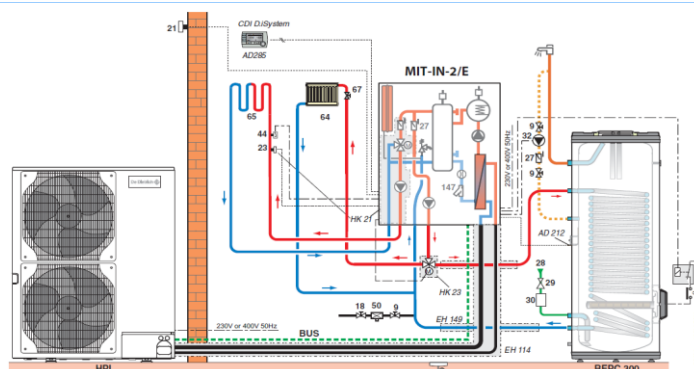
##### AIR SOURCE HEAT PUMP - THREE PHASE ( 400V ) HEATING & COOLING 55°C

	DESCRIPTION	Code	ErP	Price/Each
	24KW DIEMATIC CONTROL EM MODEL HEAT PUMP C/W 12KW ELECTRICAL BACKUP	27HPIET	A++	€ 12,900
	24KW HYBRID H MODEL HEAT PUMP C/W BOILER CONNECTIONS	27HPIH	A++	€ 12,100
	19KW DIEMATIC CONTROL EM MODEL HEAT PUMP C/W 12KW ELECTRICAL BACKUP	22HPIET	A++	€ 11,750
	19KW HYBRID H MODEL HEAT PUMP C/W BOILER CONNECTIONS	22HPIH	A++	€ 10,990

Includes: Controller, 40 Litre decoupling cylinder, 10 Litre heating expansion vessel, pressure gauge, strainer, 3 Bar heating safety valve, automatic air vent & Class A Rated efficiency heating circulation pump.

#### ACCESSORIES FOR HEAT PUMP'S

	DESCRIPTION	Code	ErP	Price/Each
	ADAPTER 1/4" 1/2" - 3/8" 5/8" (4 & 6kW UNIT ONLY)	EH146	NA	€ 57
	10M INSUL. COPPER TUBE 1/2" 1/4" (4 & 6kW)	EH142	NA	€ 310
	5M INSUL. COPPER TUBE 5/8" 3/8" (8-16kW)	EH114	NA	€ 250
	10M INSUL. COPPER TUBE 5/8" 3/8" (8-16kW)	EH115	NA	€ 450
	20M INSUL. COPPER TUBE 5/8" 3/8" (8-16kW)	EH116	NA	€ 800
	100 LITRE HEATING BUFFER TANK INSULATED	PS100S	NA	€ 400
	CASCADE CONTROL CABLE FOR MULTIPLE UNITS 12M	AD134E	NA	€ 81
	CONDENSATE DRAIN TRACE HEATING CABLE	EH113	NA	€ 90
	HEATING - DHW 3 PORT DIVERTING VALVE	HK23E	NA	€ 160
	SYSTEM SENSOR FOR BUFFER / FLOW	AD250E	NA	€ 33
	UFH PACKAGE C/W PUMP, 3 PORT M.V. & TEMPERATURE SENSOR	HK21E	NA	€ 700
	HEAT PUMP COMMISSIONING BY F-GAS ENGINEER	COMORIG	NA	€ 500
	REMOTE WALL CONTROLLER CDI DIEMATIC DISPLAY	AD285	NA	€ 185



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**EXHAUST AIR SOURCE HEAT PUMP - SINGLE PHASE ( 230V ) DHW ONLY**

	DESCRIPTION	Code	ErP	Price/Each
	EXHAUST AIR HEAT PUMP INCL. DHW CYLINDER 210 LITRE ( ELECTRICAL )	TWH200E	A	€ 3,150
	EXHAUST AIR HEAT PUMP INCL. DHW CYLINDER 270 LITRE ( ELECTRICAL )	TWH300E	A	€ 3,250
	EXHAUST AIR HEAT PUMP INCL. DHW CYLINDER 265 LITRE ( ELECTRICAL & C/W SINGLE COIL )	TWH300EH	A	€ 3,600
	EXHAUST AIR HEAT PUMP INCL. DHW CYLINDER 210 LITRE & VENTILATION UNIT	TWH200EV	A	€ 3,500

**ACCESSORIES FOR EXHAUST AIR SOURCE HEAT PUMP'S**

	DESCRIPTION	Code	Price/Each
	ADAPTER D200XD160	EH205	€ 86
	ELBOW 90° D160	EH77	€ 70
	AIR DUCT INSULATED D160 L3M	EH206	€ 240
	SET 2 CLAMPS D160	EH207	€ 70
	WALL TERMINAL D160	EH208	€ 175
	EXTERNAL GRILLE D160 ALU	EH209	€ 165
	PIPE PPE D160 - LENGHT 2 x 1 M + 2 PROTECTIVE TUBE	EH272	€ 115
	2 BENDS 90° PPE D160 + 2 PROTECTIVE TUBE	EH273	€ 85
	2 PROTECTIVE TUBES PPE D160	EH274	€ 30
	BLACK VERTICAL FLUE TERMINAL D160	EH275	€ 199
	FLAT ROOF FLASHING D160	EH276	€ 199
	FLASHING ROOF D160/SLOPE 25 TO 45°	EH277	€ 199
	CONNECTING SAFETY KIT	ER208	€ 30



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## Geothermal Pipe Pricelist 2016


### HORIZONTAL COLLECTOR

#### PE100 SDR 11 HORIZONTAL GEOTHERMAL COLLECTOR

	DESCRIPTION	Code	Price/Each
	32MM PE100 SDR11 COIL (100 M)	PE10032100	€161
	40MM PE100 SDR11 COIL (100 M)	PE10040100	€249
	50MM PE100 SDR11 COIL (100 M)	PE10050100	€319
	63MM PE100 SDR11 COIL (100 M)	PE10063100	€559
	75MM PE100 SDR11 COIL (100 M)	PE10075100	€781
	90MM PE100 SDR11 COIL (100 M)	PE10090100	€1,131
	110MM PE100 SDR11 COIL (100 M)	PE100110100	€1,679
	125MM PE100 SDR11 COIL (100 M)	PE100125100	€2,176


### VERTICAL BOREHOLE / WELL COLLECTOR

#### PE 100 SDR 11 DOUBLE U - PROBE ( 4 x PIPES EACH PROBE )


	DESCRIPTION	Code	Price/Each
	32MM PE100 SDR11 70 M	GP3270	€587
	32MM PE100 SDR11 80 M	GP3280	€651
	32MM PE100 SDR11 100 M	GP32100	€778
	32MM PE100 SDR11 120 M	GP32120	€905
	32MM PE100 SDR11 150 M	GP32150	€1,096
	40MM PE100 SDR11 100 M	GP40100	€1,171
	40MM PE100 SDR11 125 M	GP40125	€1,378
	40MM PE100 SDR11 150 M	GP40150	€1,678
	40MM PE100 SDR11 200 M	GP40200	€2,185

NOTE: EACH DOUBLE PROBE CAN BE USED AS 2 X SINGLE PROBE'S


### MALE BSP THREAD ADAPTER - COMPRESSION FOR PE PIPE

	DESCRIPTION	Code	Price/Each
	1 1/4" MALE BSP THREAD - 40MM PE	PHIL9254	€16.80
	2" MALE BSP THREAD - 40MM PE	PHIL9256	€16.80
	2" MALE BSP THREAD - 50MM PE	PHIL9266	€21.10
	2" MALE BSP THREAD - 63MM PE	PHIL9276	€29.53


### MALE BSP THREAD BALL VALE - COMPRESSION FOR PE PIPE

	DESCRIPTION	Code	Price/Each
	2" MALE BSP THREAD - 32MM PE	FBV20032	€106
	2" MALE BSP THREAD - 40MM PE	FBV20040	€115
	2" MALE BSP THREAD - 50MM PE	FBV20050	€134
	2" MALE BSP THREAD - 63MM PE	FBV20063	€161


### GEOTHERMAL MANIFOLD c/w INDIVIDUAL CIRCUIT BALL VALVES

	DESCRIPTION	Code	Price/Pair
	2 WAY F&R 32MM PE - 2" BSP THREAD	GM02	€127
	3 WAY F&R 32MM PE - 2" BSP THREAD	GM03	€168
	4 WAY F&R 32MM PE - 2" BSP THREAD	GM04	€207
	5 WAY F&R 32MM PE - 2" BSP THREAD	GM05	€251
	PAIR BRINE MANIFOLD WALL BRACKET	GMB	€46


### ACCESSORIES FOR BORE HOLE PROBE'S

	DESCRIPTION	Code	Price/Each
	PROBE WEIGHT 25 KG	FW25	€77.00
	INSERTION AID 32MM PROBE	FIA32	€12.38
	INSERTION AID 40MM PROBE	FIA40	€13.86
	Y-PIECE 32MM - 40MM - 32MM	FYP3240	€29.90
	Y-PIECE 40MM - 50MM - 40MM	FYP4050	€34.06

### GEOTHERMAL ELECTROFUSION STRAIGHT COUPLING


	DESCRIPTION	Code	Price/Each
	COUPLING 32MM - 32MM	F31032100	€6.66
	COUPLING 40MM - 40MM	F31040100	€6.87
	COUPLING 50MM - 50MM	F31050100	€10.62
	COUPLING 63MM - 63MM	F31063100	€11.28

### GEOTHERMAL ELECTROFUSION ELBOW

	DESCRIPTION	Code	Price/Each
	ELBOW 32MM - 32MM	F31532100	€15.42
	ELBOW 40MM - 40MM	F31540100	€18.38
	ELBOW 50MM - 50MM	F31550100	€23.08
	ELBOW 63MM - 63MM	F31563100	€26.34


### GEOTHERMAL MANIFOLD PRE-FABRICATED

#### WLL MOUNTED WM TYPE FOR 32MM & 40MM COLLECTOR

	DESCRIPTION	Code	Price/Each
	2 WAY CABINET C/W FLOW METER	WM322C	€996
	3 WAY CABINET C/W FLOW METER	WM323C	€1,102
	4 WAY CABINET C/W FLOW METER	WM324C	€1,245
	5 WAY CABINET C/W FLOW METER	WM325C	€1,351
	6 WAY CABINET C/W FLOW METER	WM326C	€1,494
	<i>Lockable access cover, individual loop isolation, flow meters, 1/2" fill &amp; drain valve, regulating valves for each individual loop.</i>		


### GEOTHERMAL MANIFOLD PRE-FABRICATED

#### COMPACT MANHOLE TYPE 4 FOR 40MM COLLECTOR

	DESCRIPTION	Code	Price/Each
	7 WAY MANHOLE C/W FLOW METER	MH7C	€3,447
	8 WAY MANHOLE C/W FLOW METER	MH8C	€3,713
	9 WAY MANHOLE C/W FLOW METER	MH9C	€3,978
	10 WAY MANHOLE C/W FLOW METER	MH10C	€4,244
	11 WAY MANHOLE C/W FLOW METER	MH11C	€4,509
	12 WAY MANHOLE C/W FLOW METER	MH12C	€4,771
	<i>Lockable manhole c/w access cover, individual loop ball valves, flow meters, 1" fill &amp; drain valve, electrofusion connections, water tight, max 200kg load.</i>		

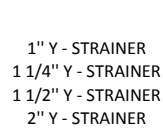
### GEOTHERMAL ANTI-FREEZE

#### 20 LITRE CONCENTRATED DRUM

	DESCRIPTION	Code	Price/Each
	20 LITRE DRUM OF MONO ETHYLENE (Also available in 200L & 1,000L Drums)	ME20	€70
	(25% CONC. OF SYSTEM VOLUME) (PROTECTS TO - 13°C)		

### Y-STRAINERS GLYCOL RATED FOR

#### GEOTHERMAL HEAT PUMPS

	DESCRIPTION	Code	Price/Each
	1" Y - STRAINER	PYS100	€22
	1 1/4" Y - STRAINER	PYS125	€37
	1 1/2" Y - STRAINER	PYS150	€53
	2" Y - STRAINER	PYS200	€85


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## BIOTECH BIOMASS GASIFICATION BOILER FOR LOG'S & WASTE WOOD

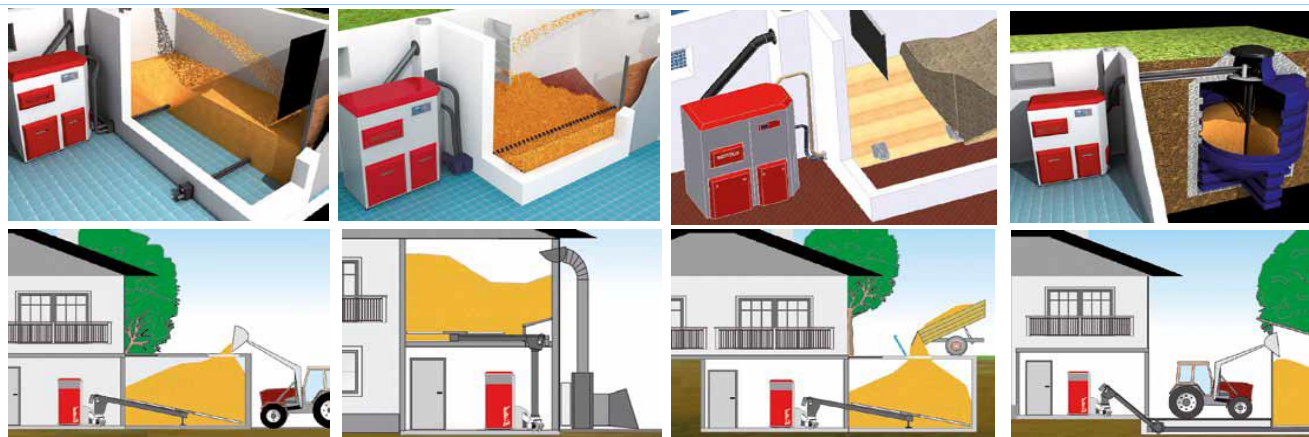
	<b>DESCRIPTION</b>	<b>Code</b>	<b>Price/Each</b>
	25kW BIOTECH LAMBDA WOOD GASIFICATION BOILER FOR LOG'S ( 12 - 25kW ) C/W TOUCH SCREEN CONTROL	HVZ25L	€ 8,175
	34kW BIOTECH LAMBDA WOOD GASIFICATION BOILER FOR LOG'S ( 17 - 34kW ) C/W TOUCH SCREEN CONTROL	HVZ34L	€ 8,750
	45kW BIOTECH LAMBDA WOOD GASIFICATION BOILER FOR LOG'S ( 22 - 45kW ) C/W TOUCH SCREEN CONTROL	HVZ45L	€ 9,300
	BACKEND PROTECTION FOR HVZL BOILER'S 25KW & 34KW - DN32	BRLAHVZ32	€ 830
	BACKEND PROTECTION FOR HVZL BOILER 45KW - DN40	BRLAHVZ40	€ 845
	REMOTE ROOM ADJUSTER - DIAL TYPE	HVZLRRR	€ 196
	REMOTE LIGHT / SOUND ALARM FOR HVZL BOILER	HVZLALARM	€ 196
	COMBINATION SAFETY KIT UP TO 50KW (AIR VENT, PRESSURE GAUGE, SAFETY VALVE)	40380000306	€ 180
	2 PORT COOLING VALVE 95C FOR BOILER OVER HEAT PROTECTION (MAINS CONNECTION)	HVZLTSV	€ 240

## BIOTECH BIOMASS DOMESTIC / COMMERCIAL BOILER FOR WOOD PELLETS

	<b>DESCRIPTION</b>	<b>Code</b>	<b>Price/Each</b>
	15kW BIOTECH BIOMASS BOILER FOR PELLET'S 34KG INTERNAL HOPPER - TOUCHSCREEN ( 4 - 15kW )	PZ8RL	€ 8,173
	25kW BIOTECH BIOMASS BOILER FOR PELLET'S 67KG INTERNAL HOPPER C/W CONTROL PANEL ( 7 - 25kW )	PZ25RL	€ 12,250
	35kW BIOTECH BIOMASS BOILER FOR PELLET'S 134KG INTERNAL HOPPER C/W CONTROL PANEL ( 8 - 35kW )	PZ35RL	€ 13,800
	45kW BIOTECH BIOMASS BOILER FOR PELLET'S 159KG INTERNAL HOPPER C/W CONTROL PANEL ( 14 - 45kW )	PZ45RL	€ 16,000
	52kW BIOTECH BIOMASS BOILER FOR PELLET'S 159KG INTERNAL HOPPER C/W CONTROL PANEL ( 14 - 52kW )	PZ55RL	€ 16,850
	65kW BIOTECH BIOMASS BOILER FOR PELLET'S 152KG INTERNAL HOPPER C/W CONTROL PANEL ( 18 - 65kW )	PZ65RL	€ 21,700
	80kW BIOTECH BIOMASS BOILER FOR PELLET'S 152KG INTERNAL HOPPER C/W CONTROL PANEL ( 18 - 80kW )	PZ80RL	€ 22,200
	100kW BIOTECH BIOMASS BOILER FOR PELLET'S 323KG INTERNAL HOPPER C/W CONTROL PANEL ( 22 - 99kW )	PZ100RL	€ 26,700
	BACKEND PROTECTION FOR PZ BOILER'S 25KW - DN25	BRLAVR25	€ 880
	BACKEND PROTECTION FOR PZ BOILER'S 35KW - DN32	BRLAVR32	€ 1,065
	BACKEND PROTECTION FOR PZ BOILER'S 65KW - DN50	BVLAR5074	€ 1,190
	BACKEND PROTECTION FOR PZ BOILER'S 100KW - DN50	BVLAR50152	€ 1,750
	COMBINATION SAFETY KIT UP TO 50KW (AIR VENT, PRESSURE GAUGE, SAFETY VALVE)	40380000306	€ 180
	COMBINATION SAFETY KIT UP TO 100KW (AIR VENT, PRESSURE GAUGE, SAFETY VALVE)	40380000316	€ 265
	DECOUPLING HEADER DN25	40380000116	€ 470
	DECOUPLING HEADER DN32	40380000144	€ 945
	BCL (HTG/DHW) 2 METRE TEMPERATURE PROBE (PAIR)	30190000052	€ 140

## BIOTECH BIOMASS DOMESTIC / COMMERCIAL BOILER FOR WOOD CHIP

	<b>DESCRIPTION</b>	<b>Code</b>	<b>Price/Each</b>
	50kW BIOTECH BIOMASS BOILER FOR CHIP C/W CONTROL PANEL ( 13 - 49kW )	HZ50	€ 21,300
	164kW BIOTECH BIOMASS BOILER FOR CHIP C/W CONTROL PANEL ( 50 - 164kW )	HZ150	€ 35,500
	BACKEND PROTECTION FOR HZ BOILER'S 65KW - DN50	BVLAR5074	€ 1,190
	BACKEND PROTECTION FOR HZ BOILER'S 100KW - DN50	BVLAR50152	€ 1,750
	<b>NOTE: FEEDING SYSTEM NOT INCLUDED AND SUBJECT TO SITE SURVEY</b>		
	COMBINATION SAFETY KIT UP TO 50KW (AIR VENT, PRESSURE GAUGE, SAFETY VALVE)	40380000306	€ 180
	COMBINATION SAFETY KIT UP TO 100KW (AIR VENT, PRESSURE GAUGE, SAFETY VALVE)	40380000316	€ 265



*We supply a full range of automatic and manual feeding systems for wood pellets & chips, please contact our office to quote for your specific project requirements.*

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## Energy Monitoring Danfoss Heat Meter Pricelist 2016

(Chilled Water Meters Available Upon Request)



### Ultrasonic Energy Meters Suitable For Single Or Multiple Point Monitoring Systems

	Description	Code	Euro
	DN15 Ultrasonic Heat Meter For LTHW Heating Systems Threaded Max Flow Rate 1,200 L/H	087G10400	€420
	DN20 Ultrasonic Heat Meter For LTHW Heating Systems Threaded Max Flow Rate 3,000 L/H	087G10420	€456
	DN25 Ultrasonic Heat Meter For LTHW Heating Systems Threaded Max Flow Rate 7,000 L/H	087G10440	€751
	DN32 Ultrasonic Heat Meter For LTHW Heating Systems Threaded Max Flow Rate 12,000 L/H	087G10470	€910
	DN40 Ultrasonic Heat Meter For LTHW Heating Systems Threaded Max Flow Rate 20,000 L/H	087G10460	€941
	DN50 Ultrasonic Heat Meter For LTHW Heating Systems Flanged Max Flow Rate 30,000 L/H	087G10490	€1,375
	DN65 Ultrasonic Heat Meter For LTHW Heating Systems Flanged Max Flow Rate 50,000 L/H	087G10500	€1,816
	DN80 Ultrasonic Heat Meter For LTHW Heating Systems Flanged Max Flow Rate 80,000 L/H	087G10510	€2,208
	DN100 Ultrasonic Heat Meter For LTHW Heating Systems Flanged Max Flow Rate 120,000 L/H	087G10520	€2,968
	DN150 Ultrasonic Heat Meter For LTHW Heating Systems Flanged Max Flow Rate 30,000 L/H	087G10560	€4,984
	35mm Pockets For DN15 - DN32 Heat Meters (Pair)	087G6053	€99
	52mm Pockets For DN40 - DN65 Heat Meters (Pair)	087G6054	€123
	85mm Pockets For DN80 - DN125 Heat Meters (Pair)	087G6055	€150
	120mm Pockets For DN150 - DN200 Heat Meters (Pair)	087G6056	€162
	DN 15 Heat Meter Threaded Connection Set (Pair)	087G6071	€78
	DN 20 Heat Meter Threaded Connection Set (Pair)	087G6072	€87
	DN 25 Heat Meter Threaded Connection Set (Pair)	087G6073	€105
	DN 40 Heat Meter Threaded Connection Set (Pair)	087G6074	€203
	230V Mains Power Supply Module For Heat Meter	087G6024	€132
	Pulse Output Card For Heat Meter	087G6039	€113

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25 year linear performance warranty and  
10 year product warranty



## Origen P.V. Electric Solar System Pricelist 2016

### 2 Panel System For Slate Or Tile Roof - 520Wp



#### Description

2 Panel On Roof Slate P.V. System

2 Panel On Roof Tile P.V. System

#### Pack Price €

€1,143

€1,143



25 year linear performance warranty and  
10 year product warranty

### 3 Panel System For Slate Or Tile Roof - 780Wp



#### Description

3 Panel On Roof Slate P.V. System

3 Panel On Roof Tile P.V. System

#### Pack Price €

€1,664

€1,664



25 year linear performance warranty and  
10 year product warranty

### 4 Panel System For Slate Or Tile Roof - 1.04kWp



#### Description

4 Panel On Roof Slate P.V. System

4 Panel On Roof Tile P.V. System

#### Pack Price €

€2,215

€2,215



25 year linear performance warranty and  
10 year product warranty

### 5 Panel System For Slate Or Tile Roof - 1.3kWp



#### Description

5 Panel On Roof Slate P.V. System

5 Panel On Roof Tile P.V. System

#### Pack Price €

€2,736

€2,736



25 year linear performance warranty and  
10 year product warranty

### 6 Panel System For Slate Or Tile Roof - 1.56kWp



#### Description

6 Panel On Roof Slate P.V. System

6 Panel On Roof Tile P.V. System

#### Pack Price €

€3,279

€3,279



25 year linear performance warranty and  
10 year product warranty

System Packs Include: Solar P.V. Modules, Bolt Clamp Roof Mounting Kit, P.V. Electrical Inverter.

Each PV. Module is 1m x 1.64m (WxH) & Weighs approx 20kg.

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25 year linear performance warranty and  
10 year product warranty



## Origen P.V. Electric Solar System Pricelist 2016

### 7 Panel System For Slate Or Tile Roof - 1.82Wp



#### Description

7 Panel On Roof Slate P.V. System

7 Panel On Roof Tile P.V. System

#### Pack Price €

€3,810

€3,810



25 year linear performance warranty and  
10 year product warranty

### 8 Panel System For Slate Or Tile Roof - 2.08Wp



#### Description

8 Panel On Roof Slate P.V. System

8 Panel On Roof Tile P.V. System

#### Pack Price €

€4,348

€4,348



25 year linear performance warranty and  
10 year product warranty

### 9 Panel System For Slate Or Tile Roof - 2.34kWp



#### Description

9 Panel On Roof Slate P.V. System

9 Panel On Roof Tile P.V. System

#### Pack Price €

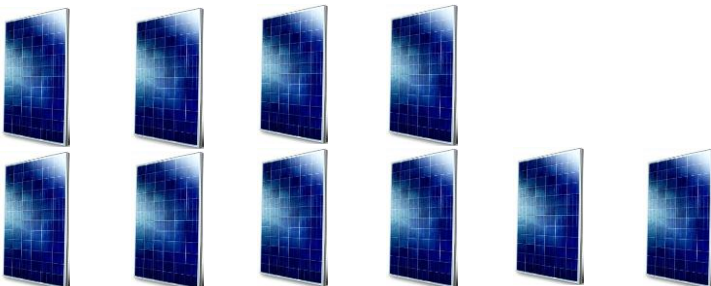
€4,924

€4,924



25 year linear performance warranty and  
10 year product warranty

### 10 Panel System For Slate Or Tile Roof - 2.6kWp



#### Description

10 Panel On Roof Slate P.V. System

10 Panel On Roof Tile P.V. System

#### Pack Price €

€5,380

€5,380



25 year linear performance warranty and  
10 year product warranty

System Packs Include: Solar P.V. Modules, Bolt Clamp Roof Mounting Kit, P.V. Electrical Inverter.

Each PV. Module is 1m x 1.64m (WxH) & Weighs approx 20kg.

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...the innovative hot water solution.



## Origen Flat Panel Solar Pricelist 2016



...the innovative hot water solution.

### 2 Panel Complete Systems

Made in Germany



#### Description

- 2 Panel On Roof Slate Complete System
- 2 Panel On Roof Tile Complete System
- 2 Panel In Roof Complete System
- 2 Panel A Frame Complete System

#### Pack Price €

- €2,665
- €2,735
- €3,075
- €2,975

### 3 Panel Complete Systems

Made in Germany



#### Description

- 3 Panel On Roof Slate Complete System
- 3 Panel On Roof Tile Complete System
- 3 Panel In Roof Complete System
- 3 Panel A Frame Complete System

#### Pack Price €

- €3,470
- €3,570
- €4,055
- €3,860

### 4 Panel Complete Systems

Made in Germany



#### Description

- 4 Panel On Roof Slate Complete System
- 4 Panel On Roof Tile Complete System
- 4 Panel In Roof Complete System
- 4 Panel A Frame Complete System

#### Pack Price €

- €4,395
- €4,500
- €5,120
- €4,835

### 5 Panel Complete Systems

Made in Germany



#### Description

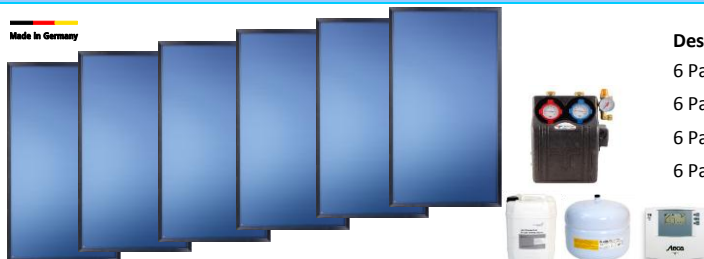
- 5 Panel On Roof Slate Complete System
- 5 Panel On Roof Tile Complete System
- 5 Panel In Roof Complete System
- 5 Panel A Frame Complete System

#### Pack Price €

- €5,250
- €5,360
- €6,120
- €5,750

### 6 Panel Complete Systems

Made in Germany



#### Description

- 6 Panel On Roof Slate Complete System
- 6 Panel On Roof Tile Complete System
- 6 Panel In Roof Complete System
- 6 Panel A Frame Complete System

#### Pack Price €

- €6,100
- €6,200
- €7,100
- €6,690

System Packs Include: Solar Collectors, Roof Mounting Kit, Pumping Station, Controller, Expansion Vessel, 2 X 1mt Flexible Connections, Heat Transfer Fluid

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**Firebird (Envirosol) Solar Tube Pack Price List Valid 2016**

<b>TZ58HP: 2m<sup>2</sup> System Pack Excluding Cylinder</b>					
	SOL820VTS	TZ58HP 20 TUBE COLLECTOR C/W MANIFOLD & ROOF KIT	1	€1,299.76	€1,299.76
	SOL402FP	TZ58HP SOLAR FLEXIBLE PIPES 2 X 1M C/W FITTINGS	1	€67.76	€67.76
	KSP0681	SOLAR PUMP STATION	1	€664.31	€664.31
	KEK0054	SC400 SOLAR CONTROLLER 5 INPUTS/2 OUTPUT	1	€246.54	€246.54
	765243003	ORIGEN 24L EXPANSION VESSEL HIGH TEMPERATURE	1	€53.81	€53.81
	765245022	ORIGEN HEAT TRANSFER FLUID 20L DRUM	1	€85.50	€85.50
<b>SUB TOTAL</b>					<b>€2,417.68</b>
<b>TZ58HP: 3m<sup>2</sup> System Pack Excluding Cylinder</b>					
	SOL830VTS	TZ58HP 30 TUBE COLLECTOR C/W MANIFOLD & ROOF KIT	1	€1,746.36	€1,746.36
	SOL402FP	TZ58HP SOLAR FLEXIBLE PIPES 2 X 1M C/W FITTINGS	1	€67.76	€67.76
	KSP0681	SOLAR PUMP STATION	1	€664.31	€664.31
	KEK0054	SC400 SOLAR CONTROLLER 5 INPUTS/2 OUTPUT	1	€246.54	€246.54
	765243003	ORIGEN 24L EXPANSION VESSEL HIGH TEMPERATURE	1	€53.81	€53.81
	765245022	ORIGEN HEAT TRANSFER FLUID 20L DRUM	1	€85.50	€85.50
<b>SUB TOTAL</b>					<b>€2,864.28</b>
<b>TZ58HP: 4m<sup>2</sup> System Pack Excluding Cylinder</b>					
	SOL820VTS	TZ58HP 20 TUBE COLLECTOR C/W MANIFOLD & ROOF KIT	2	€1,299.76	€2,599.52
	SOL402FP	TZ58HP SOLAR FLEXIBLE PIPES 2 X 1M C/W FITTINGS	1	€67.76	€67.76
	310075	22 - 22MM COMPRESSION COUPLING (310)	1	€6.05	€6.05
	KSP0681	SOLAR PUMP STATION	1	€664.31	€664.31
	KEK0054	SC400 SOLAR CONTROLLER 5 INPUTS/2 OUTPUT	1	€246.54	€246.54
	765243003	ORIGEN 24L EXPANSION VESSEL HIGH TEMPERATURE	1	€53.81	€53.81
<b>SUB TOTAL</b>					<b>€3,723.49</b>


System Packs Include: Solar Collectors, Roof Mounting Kit, Pumping Station, Controller, Expansion Vessel, 2 X 1mt Flexible Connections, Heat Transfer Fluid


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**Kingspan (Thermomax) Solar Tube Pack Price List Valid 2016**

<b>HP400: 2m<sup>2</sup> System Pack Excluding Cylinder</b>					
	KSK0284	TMX HP400-2m <sup>2</sup> MANIFOLD	1	€556.43	€556.43
	KST0053	TMX HP400 TUBE (10 PER BOX)	2	€784.69	€1,569.38
	KSK0217	TMX SLOPNG ROOFKIT V	1	€189.28	€189.28
	C0560	TYFOCOR 20LT ANTIEEZ	1	€225.06	€225.06
	C0673	TMAX CONNECTION KIT	1	€70.99	€70.99
	KSP0485	18L EXPANSION VESSEL	1	€153.17	€153.17
	KSP0681	SOLAR PUMP STATION	1	€635.48	€635.48
	KSK0015	15mm FLEXIPIPES	1	€73.46	€73.46
	KEK0054	SC400 CONTROLLER	1	€313.51	€313.51
	<b><u>SUB TOTAL</u></b>				<b><u>€3,786.76</u></b>

<b>HP400: 3m<sup>2</sup> System Pack Excluding Cylinder</b>					
	KSK0285	TMX HP400-3m <sup>2</sup> MANIFOLD	1	€761.84	€761.84
	KST0053	TMX HP400 TUBE (10 PER BOX)	3	€784.69	€2,354.07
	KSK0217	TMX SLOPNG ROOFKIT V	1	€189.28	€189.28
	C0560	TYFOCOR 20LT ANTIEEZ	1	€225.06	€225.06
	C0673	TMAX CONNECTION KIT	1	€70.99	€70.99
	KSP0485	18L EXPANSION VESSEL	1	€153.17	€153.17
	KSP0681	SOLAR PUMP STATION	1	€635.48	€635.48
	KSK0015	15mm FLEXIPIPES	1	€73.46	€73.46
	KEK0054	SC400 CONTROLLER	1	€313.51	€313.51
	<b><u>SUB TOTAL</u></b>				<b><u>€4,776.86</u></b>

<b>HP400: 4m<sup>2</sup> System Pack Excluding Cylinder</b>					
	KSK0284	TMX HP400-2m <sup>2</sup> MANIFOLD	2	€556.43	€1,112.86
	KST0053	TMX HP400 TUBE (10 PER BOX)	4	€784.69	€3,138.76
	KSK0217	TMX SLOPNG ROOFKIT V	2	€189.28	€378.56
	C0560	TYFOCOR 20LT ANTIEEZ	2	€225.06	€450.12
	C0673	TMAX CONNECTION KIT	1	€70.99	€70.99
	KSK0172	TMAX INTERCONN KIT	1	€44.33	€44.33
	KSP0485	18L EXPANSION VESSEL	1	€153.17	€153.17
	KSP0681	SOLAR PUMP STATION	1	€635.48	€635.48
	KSK0015	15mm FLEXIPIPES	1	€73.46	€73.46
	KEK0054	SC400 CONTROLLER	1	€313.51	€313.51
	<b><u>SUB TOTAL</u></b>				<b><u>€6,371.24</u></b>

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### Kingspan (Thermomax) Solar Tube Pack Price List Valid 2016

<b>HP400: 5m<sup>2</sup> System Pack Excluding Cylinder</b>					
	KSK0284	TMX HP400-2m <sup>2</sup> MANIFOLD	1	€556.43	€556.43
	KSK0285	TMX HP400-3m <sup>2</sup> MANIFOLD	1	€761.69	€761.69
	KST0053	TMX HP400 TUBE (10 PER BOX)	5	€784.69	€3,923.45
	KSK0217	TMX SLOPNG ROOFKIT V	2	€189.28	€378.56
	C0560	TYFOCOR 20LT ANTIEEZ	2	€225.06	€450.12
	C0673	TMAX CONNECTION KIT	1	€70.99	€70.99
	KSK0172	TMAX INTERCONN KIT	1	€44.33	€44.33
	KSP0486	24L EXPANSION VESSEL	1	€166.25	€166.25
	KSP0681	SOLAR PUMP STATION	1	€635.48	€635.48
	KSK0015	15mm FLEXIPIPES	1	€73.46	€73.46
	KEK0054	SC400 CONTROLLER	1	€313.51	€313.51
	<b><u>SUB TOTAL</u></b>				<b><u>€7,374.27</u></b>

<b>HP400: 6m<sup>2</sup> System Pack Excluding Cylinder</b>					
	KSK0285	TMX HP400-3m <sup>2</sup> MANIFOLD	2	€761.69	€1,523.38
	KST0053	TMX HP400 TUBE (10 PER BOX)	6	€784.69	€4,708.14
	KSK0217	TMX SLOPNG ROOFKIT V	2	€189.28	€378.56
	C0560	TYFOCOR 20LT ANTIEEZ	2	€225.06	€450.12
	C0673	TMAX CONNECTION KIT	1	€70.99	€70.99
	KSK0172	TMAX INTERCONN KIT	1	€44.33	€44.33
	KSP0486	24L EXPANSION VESSEL	1	€166.25	€166.25
	KSP0681	SOLAR PUMP STATION	1	€635.48	€635.48
	KSK0015	15mm FLEXIPIPES	1	€73.46	€73.46
	KEK0054	SC400 CONTROLLER	1	€313.51	€313.51
	<b><u>SUB TOTAL</u></b>				<b><u>€8,364.22</u></b>

<b>HP400: 4m<sup>2</sup> System Pack East / West Excluding Cylinder</b>					
	KSK0284	TMX HP400-2m <sup>2</sup> MANIFOLD	2	€556.43	€1,112.86
	KST0053	TMX HP400 TUBE (10 PER BOX)	4	€784.69	€3,138.76
	KSK0217	TMX SLOPNG ROOFKIT V	2	€189.28	€378.56
	C0560	TYFOCOR 20LT ANTIEEZ	1	€225.06	€225.06
	C0673	TMAX CONNECTION KIT	2	€70.99	€141.98
	KSP0485	18L EXPANSION VESSEL	1	€153.17	€153.17
	KSP0699	EAST WEST SOLAR PUMP	1	€1,141.00	€1,141.00
	KSK0015	15mm FLEXIPIPES	2	€73.46	€146.92
	KEK0055	SC500 CONTROLLER	1	€476.86	€476.86
	KEK0016	ADDITIONAL SENSOR	1	€24.27	€24.27
	<b><u>SUB TOTAL</u></b>				<b><u>€6,939.44</u></b>

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## Stainless Steel ECO Solar Pipe Pricelist 2016



### Origen DUO Stainless Steel ECO Solar Pipe

	Description	Code	Euro
	ECO Stainless Steel <u>DN16mm</u> Twin Solar Pipe (10m Coil)	799010003	€250
	ECO Stainless Steel <u>DN16mm</u> Twin Solar Pipe (15m Coil)	799015003	€370
	ECO Stainless Steel <u>DN16mm</u> Twin Solar Pipe (20m Coil)	799020003	€490
	ECO Stainless Steel <u>DN16mm</u> Twin Solar Pipe (25m Coil)	799025003	€615
	Description	Code	Euro
	ECO Stainless Steel <u>DN20mm</u> Twin Solar Pipe (10m Coil)	799010004	€395
	ECO Stainless Steel <u>DN20mm</u> Twin Solar Pipe (15m Coil)	799015004	€595
	ECO Stainless Steel <u>DN20mm</u> Twin Solar Pipe (20m Coil)	799020004	€790
	ECO Stainless Steel <u>DN20mm</u> Twin Solar Pipe (25m Coil)	799025004	€990
	Description	Code	Euro
	ECO Stainless Steel <u>DN25mm</u> Twin Solar Pipe (10m Coil)	799010005	€450
	ECO Stainless Steel <u>DN25mm</u> Twin Solar Pipe (15m Coil)	799015005	€675
	ECO Stainless Steel <u>DN25mm</u> Twin Solar Pipe (20m Coil)	799020005	€890
	ECO Stainless Steel <u>DN25mm</u> Twin Solar Pipe (25m Coil)	799025005	€1,130
*****NOTE CONVERSION FITTINGS TO FEMALE BSP THREAD ARE INCLUDED WITH THE ABOVE PRICES*****			
	Description	Code	Euro
	Origen <u>DN16mm</u> Pipe Mounting Brackets (Pack of 4)	795000003	€11
	Description	Code	Euro
	Origen <u>DN20mm</u> Pipe Mounting Brackets (Pack of 4)	795000004	€13
	Description	Code	Euro
	Origen <u>DN16mm</u> Conversion Set To 3/4" Male BSP Thread (Pack of 4)	795111003	€30
	Origen <u>DN20mm</u> Conversion Set To 3/4" Male BSP Thread (Pack of 4)	795111004	€41
	Origen <u>DN25mm</u> Conversion Set To 1 1/4" Male BSP Thread (Pack of 4)	795111005	€96

#### Integrated tube system, consisting of:

SOLARFLEX insulating material made of EPDM, 2 x stainless steel corrugated tubes, black PE protective film, UV-resistant, sensor cable 2 x 0.75<sup>2</sup>

#### Thermal protection:

Insulating material SOLARFLEX tube made of EPDM, light, flexible, closed-cell, synthetic rubber; PVC and CFC- free. DN 16 mm, DN 20 mm - with 13 mm insulation thickness each.

#### Stainless steel corrugated tube:

Material no.: 1.4404 (Aisi 316L) with a temperature range of -270 °C to +600 °C. Recommended pressure at 200 °C DN 16/11 bar; DN 20/11 bar. Bursting pressure DN 16 / 20 higher 33 bar.

#### Insulating material:

AEROFLEX tube made of EPDM, light, flexible, closed-cell, synthetic rubber; PVC and CFC-free.

#### Building material class:

B2 according to DIN 4102. No embrittlement of copper and stainless steel tubes according to DIN 1988 Part 7; dimensions according to DIN 52 275-2. Long-term thermal stability up to + 125°C; short term up to + 175°C (stagnation temperature of collectors). The characteristic value of thermal conductivity at +40 °C, λ<sub>40°C</sub> = 0.037 W/mK, at 0 °C, λ<sub>0°C</sub> = 0.033 W/mK. Very good ozone resistance, UV-resistant.

#### Commissioning Extra

Muirfield Drive, Naas Road, Dublin 12  
Tel: 01 4191940 Fax: 01 4191980  
Email: [energy@origen.ie](mailto:energy@origen.ie)  
Web: [www.origen.ie](http://www.origen.ie)

#### Carriage Extra

South Ring West Business Ph, Tramore Road, Cork  
Tel: 021 432 1066 Fax: 021 432 1068  
Email: [energy@origen.ie](mailto:energy@origen.ie)  
Web: [www.origen.ie](http://www.origen.ie)

#### Vat Extra

Furry Park Ind Est, Santry, Dublin 9  
Tel : 01 8427037 Fax: 01 8427045  
Email: [energy@origen.ie](mailto:energy@origen.ie)  
Web: [www.origen.ie](http://www.origen.ie)

## Stainless Steel Unvented Cylinders 2016

### Direct Cylinders c/w Unvented Kit



#### Description

150L Direct Stainless Steel Unvented Cylinder
180L Direct Stainless Steel Unvented Cylinder
210L Direct Stainless Steel Unvented Cylinder
250L Direct Stainless Steel Unvented Cylinder
300L Direct Stainless Steel Unvented Cylinder
400L Direct Stainless Steel Unvented Cylinder
500L Direct Stainless Steel Unvented Cylinder

#### Code

#### Euro

TF150D	€569
TF180D	€605
TF210D	€630
TF250D	€710
TF300D	€720
TF400D	€1,060
TF500D	€1,150

### Indirect Cylinders c/w Unvented Kit



#### Description

150L Indirect Stainless Steel Unvented Cylinder
180L Indirect Stainless Steel Unvented Cylinder
210L Indirect Stainless Steel Unvented Cylinder
250L Indirect Stainless Steel Unvented Cylinder
300L Indirect Stainless Steel Unvented Cylinder
400L Indirect Stainless Steel Unvented Cylinder
500L Indirect Stainless Steel Unvented Cylinder

#### Code

#### Euro

TF150i	€605
TF180i	€649
TF210i	€655
TF250i	€735
TF300i	€745
TF400i	€1,165
TF500i	€1,250

### Dual Coil Cylinders c/w Unvented Kit



#### Description

210L Indirect Solar Unvented Cylinder
250L Indirect Solar Unvented Cylinder
300L Indirect Solar Unvented Cylinder
400L Indirect Solar Unvented Cylinder
500L Indirect Solar Unvented Cylinder

#### Code

#### Euro

TF210S	€825
TF250S	€860
TF300S	€870
TF400S	€1,395
TF500S	€1,415

### Triple Coil Cylinders



#### Description

210L Triple Coil Cylinder
250L Triple Coil Cylinder
300L Triple Coil Cylinder
400L Triple Coil Cylinder
500L Triple Coil Cylinder

#### Code

#### Euro

TF210TC	€986
TF250TC	€1,035
TF300TC	€1,069
TF400TC	€1,595
TF500TC	€1,680

### Unvented Kits



#### Description

Unvented Kit Suitable For Cylinders Up To 300L
Unvented Kit Suitable For Cylinders Up To 500L

#### Code

#### Euro

TF300KIT	€140
TF500KIT	€235

#### Commissioning Extra

Muirfield Drive, Naas Road, Dublin 12  
Tel: 01 4191940 Fax: 01 4191980  
Email: energy@origen.ie

#### Carriage Extra

South Ring West Business Ph, Tramore Road, Cork  
Tel: 021 432 1066 Fax: 021 432 1068  
Email: energy@origen.ie

#### Vat Extra

Furry Park Ind Est, Santry, Dublin 9  
Tel : 01 8427037 Fax: 01 8427045  
Email: energy@origen.ie



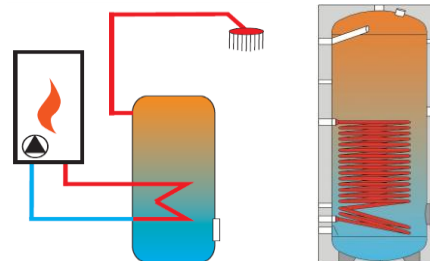
# Single Coil & Dual Coil Hot Water Cylinder Pricelist 2016 (Enamelled)

The Nova single coil & dual coil range are for use in LTHW heating systems with heat pumps, solar systems, low temperature sources, solid fuel systems or standard boilers. The Nova enamelled series are for applications requiring a single or dual coil hot water storage and come in capacities ranging from 800 to 2000 Litres. Multiple units can be supplied for rapid recovery. The simple installation procedure make it possible to adapt these cylinders to virtually all plant rooms. These cylinders come with removable insulation for ease of installation.

## Nova Single Coil Cylinders - Boiler Systems (2000 Litre Max)

**Application:** Nova single coil enamelled cylinders are for use with boilers fired by oil / gas/ LPG or biomass. They come with 100mm of soft jacket insulation. Hard shell insulation is available upon request. Insulation Value 0.039 W/K for standard insulation.

Warranty: 5 Years

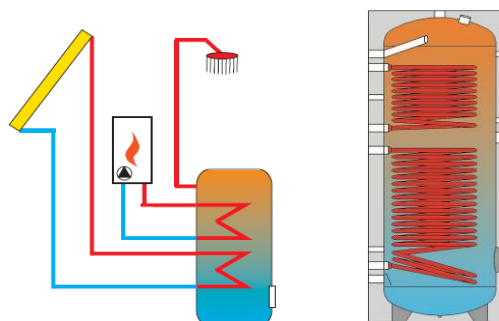


Description	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Coil Rating	Max Operating	Code	Euro
800 Litre Single Coil	1855	990	2 x 1 1/4"	3 x 1/2"	2.7 m <sup>2</sup> / 68kW	10 Bar / 95°C	WW800S	€ 1,917
1000 Litre Single Coil	2205	990	2 x 1 1/4"	3 x 1/2"	3.5 m <sup>2</sup> / 88kW	10 Bar / 95°C	WW1000S	€ 2,136
1500 Litre Single Coil	2185	1200	2 x 1 1/4"	3 x 1/2"	3.6 m <sup>2</sup> / 94kW	8 Bar / 95°C	WW1500S	€ 3,533
2000 Litre Single Coil	2470	1300	2 x 1 1/4"	3 x 1/2"	4.3 m <sup>2</sup> / 112kW	8 Bar / 95°C	WW2000S	€ 4,190
800 - 1000 Litre	DHW Flow Connection : 1 1/4"		Cold Feed Connection : 1 1/4"		DHW Return Connection : 1"			
1500 - 2000 Litre	DHW Flow Connection : 1 1/2"		Cold Feed Connection : 1 1/2"		DHW Return Connection : 1"			

## Nova Dual Coil Cylinders - Solar Systems (2000 Litre Max)

**Application:** Nova dual coil enamelled cylinders are for use with solar systems, solid fuel systems & boilers fired by oil / gas/ LPG or biomass. They come with 100mm of soft jacket insulation. Hard shell insulation is available upon request. Insulation Value 0.039 W/K for standard insulation.

Warranty: 5 Years



Description	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Coil Surface Area	Max Operating	Code	Euro
800 Litre Dual Coil	1855	990	4 x 1 1/4"	3 x 1/2"	1.6m <sup>2</sup> & 2.7 m <sup>2</sup>	10 Bar / 95°C	EP800S	€ 2,030
1000 Litre Dual Coil	2205	990	4 x 1 1/4"	3 x 1/2"	1.6m <sup>2</sup> & 3 m <sup>2</sup>	10 Bar / 95°C	EP1000S	€ 2,265
1500 Litre Dual Coil	2185	1200	4 x 1 1/4"	3 x 1/2"	1.8m <sup>2</sup> & 3.4 m <sup>2</sup>	8 Bar / 95°C	EP1500S	€ 3,707
2000 Litre Dual Coil	2470	1300	4 x 1 1/4"	3 x 1/2"	2.8m <sup>2</sup> & 4.6 m <sup>2</sup>	8 Bar / 95°C	EP2000S	€ 4,477
800 - 1000 Litre	DHW Flow Connection : 1 1/4"		Cold Feed Connection : 1 1/4"		DHW Return Connection : 1"			
1500 - 2000 Litre	DHW Flow Connection : 1 1/2"		Cold Feed Connection : 1 1/2"		DHW Return Connection : 1"			

NOTE: 800 - 1000L Units Require Item: AE1 Permanent Electrical Anode @ €146 Each.

NOTE: 1500 - 2000L Units Require Item: AE2 Permanent Electrical Anode @ €170 Each.

NOTE: Immersions & Unvented Kit's are not included, please refer to optional extras price list if required.

Carriage Extra

V.A.T Extra

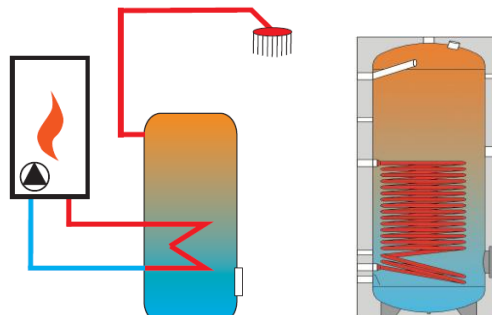
## Single Coil & Dual Coil Hot Water Cylinder Pricelist 2016 (AISI 316L Stainless Steel)

The Nova single coil & dual coil range are for use in LTHW heating systems with heat pumps, solar systems, low temperature sources, solid fuel systems or standard boilers. The Nova stainless steel series are for applications requiring a single or dual coil hot water storage and come in capacities ranging from 800 to 2000 Litres. Multiple units can be supplied for rapid recovery. The simple installation procedure make it possible to adapt these cylinders to virtually all plant rooms. These cylinders come with removable insulation for ease of installation.

### Nova Single Coil Cylinders - Boiler Systems (2000 Litre Max)

**Application:** Nova single coil stainless steel cylinders are for use with boilers fired by oil / gas/ LPG or biomass. They come with 100mm of soft jacket insulation. Hard shell insulation is available upon request. Insulation Value 0.039 W/K for standard insulation.

Warranty: 5 Years

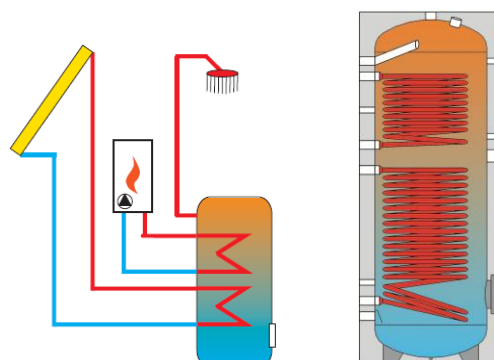


Description	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Coil Surface Area	Max Operating	Code	Euro
800 Litre Single Coil	1855	990	2 x 1 1/4"	3 x 1/2"	2.0 m <sup>2</sup> / 50kW	10 Bar / 95°C	XWW800S	€ 3,388
1000 Litre Single Coil	2105	990	2 x 1 1/4"	3 x 1/2"	2.4 m <sup>2</sup> / 60kW	10 Bar / 95°C	XWW1000S	€ 3,927
1500 Litre Single Coil	2185	1200	2 x 1 1/4"	3 x 1/2"	3.4 m <sup>2</sup> / 88kW	6 Bar / 95°C	XWW1500S	€ 5,853
2000 Litre Single Coil	2470	1300	2 x 1 1/4"	3 x 1/2"	4.6 m <sup>2</sup> / 120kW	6 Bar / 95°C	XWW2000S	€ 7,054
800 - 1000 Litre	DHW Flow Connection : 1 1/4"		Cold Feed Connection : 1 1/4"		DHW Return Connection : 1"			
1500 - 2000 Litre	DHW Flow Connection : 1 1/2"		Cold Feed Connection : 1 1/2"		DHW Return Connection : 1"			

### Nova Dual Coil Cylinders - Solar Systems (2000 Litre Max)

**Application:** Nova dual coil stainless steel cylinders are for use with solar systems, solid fuel systems & boilers fired by oil / gas/ LPG or biomass. They come with 100mm of soft jacket insulation. Hard shell insulation is available upon request. Insulation Value 0.039 W/K for standard insulation.

Warranty: 5 Years



Description	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Coil Surface Area	Max Operating	Code	Euro
800 Litre Dual Coil	1855	990	4 x 1 1/4"	3 x 1/2"	1.2m <sup>2</sup> & 2.0 m <sup>2</sup>	10 Bar / 95°C	XEP800S	€ 3,700
1000 Litre Dual Coil	2105	990	4 x 1 1/4"	3 x 1/2"	1.2 m <sup>2</sup> & 2.4 m <sup>2</sup>	10 Bar / 95°C	XEP1000S	€ 4,225
1500 Litre Dual Coil	2185	1200	4 x 1 1/4"	3 x 1/2"	1.8 m <sup>2</sup> & 3.4 m <sup>2</sup>	6 Bar / 95°C	XEP1500S	€ 6,225
2000 Litre Dual Coil	2470	1300	4 x 1 1/4"	3 x 1/2"	2.8 m <sup>2</sup> & 4.6 m <sup>2</sup>	6 Bar / 95°C	XEP2000S	€ 7,590
800 - 1000 Litre	DHW Flow Connection : 1 1/4"		Cold Feed Connection : 1 1/4"		DHW Return Connection : 1"			
1500 - 2000 Litre	DHW Flow Connection : 1 1/2"		Cold Feed Connection : 1 1/2"		DHW Return Connection : 1"			

NOTE: 800 - 1000L Units Require Item: AE1 Permanent Electrical Anode @ €146 Each.

NOTE: 1500 - 2000L Units Require Item: AE2 Permanent Electrical Anode @ €170 Each.

NOTE: Immersions & Unvented Kit's are not included, please refer to optional extras price list if required.

Carriage Extra

V.A.T Extra

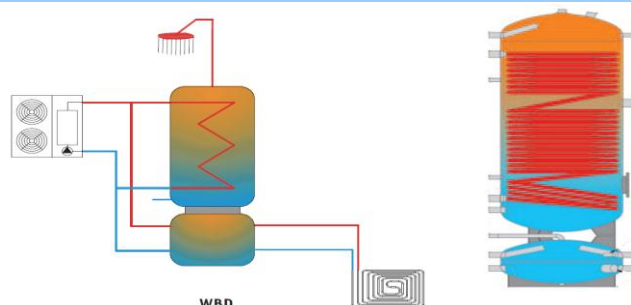
# Combined Heat Pump Heating Buffer & Hot Water Cylinder Pricelist 2016 (Enamelled)

The Nova combined range are for use LTHW heating systems with heat pumps, solar systems, low temperature sources, solid fuel systems or standard boilers. The combined series are for applications requiring a heating buffer, hot water cylinder and rapid recovery coil in a single package unit. Available in two versions combining a single coil or dual coil and with a selection of capacities. The simple installation procedure make it possible to adapt these cylinders to virtually all plant rooms. These cylinders come with rigid spray foam insulation fitted in the factory.

## Nova Combined Range - Heat Pump Rated Cylinder & Buffer (Single Coil)

**Application:** Nova enamelled combined units are for use with solar systems, heat pumps, low temperature heat sources, solid fuel systems, boilers fired by oil / gas/ LPG or biomass. They come with 70mm of fixed insulation. Insulation Value 0.039 W/K for standard insulation.

Warranty: 5 Years



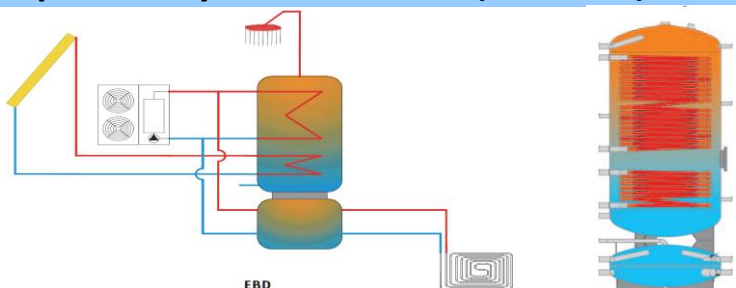
Description (DHW / HTG)	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Coil Surface Area	ErP Rating	Code	Euro
270/80 Litre Single Coil	1925	690	2 x 1 1/4"	3 x 1/2"	2.8 m <sup>2</sup>	C	WBD300S	€ 2,200
450/74 Litre Single Coil	2040	790	2 x 1 1/4"	3 x 1/2"	4.4 m <sup>2</sup>	C	WBD500S	€ 2,560
DHW Flow Connection : 1 1/4"			Cold Feed Connection : 1"			DHW Return Connection : 1/2"		
Buffer Connections : 4 x 1"			Vent Connection : 1/2"			Weight: 150 - 200kg		

NOTE: WBD Units Require Item: AE1 Permanent Electrical Anode @ €158 Each.  
NOTE: Immersions & Unvented Kit's are not included, please refer to optional extras price list if required.

## Nova Combined Range - Heat Pump Rated Cylinder & Buffer (Dual Coil)

**Application:** Nova enamelled combined units are for use with solar systems, heat pumps, low temperature heat sources, solid fuel systems, boilers fired by oil / gas/ LPG or biomass. They come with 70mm of fixed insulation. Insulation Value 0.039 W/K for standard insulation.

Warranty: 5 Years



Description (DHW / HTG)	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Coil Surface Area	ErP Rating	Code	Euro
270/80 Litre Single Coil	1925	690	4 x 1"	4 x 1/2"	3.7 m <sup>2</sup> / 0.9 m <sup>2</sup>	C	EBD300S	€ 2,375
460/74 Litre Single Coil	2040	790	4 x 1"	4 x 1/2"	5.9 m <sup>2</sup> / 1.5 m <sup>2</sup>	C	EBD500S	€ 2,854
DHW Flow Connection : 1 1/4"			Cold Feed Connection : 1"			DHW Return Connection : 1/2"		
Buffer Connections : 4 x 1"			Vent Connection : 1/2"			Weight: 150 - 200kg		

NOTE: EBD Units Require Item: AE1 Permanent Electrical Anode @ €158 Each.  
NOTE: Immersions & Unvented Kit's are not included, please refer to optional extras price list if required.

Carriage Extra

V.A.T Extra

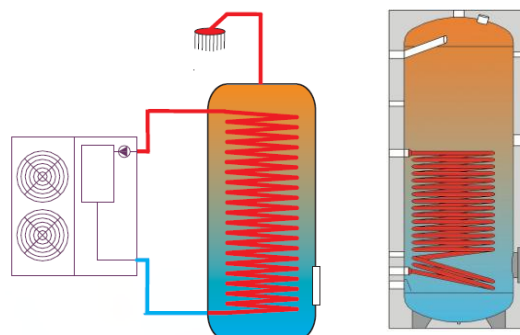
# Heat Pump / Rapid Recovery Single & Dual Coil Cylinder Pricelist 2016 (Enamelled)

The Nova single coil & dual coil heat pump range are for use in LTHW heating systems with heat pumps, solar systems, low temperature sources or standard boilers. The Nova enamelled series are for applications requiring a single or dual coil hot water storage and come in capacities ranging from 200 to 1000 Litres. Multiple units can be supplied for rapid recovery. The simple installation procedure make it possible to adapt these cylinders to virtually all plant rooms. These cylinders come with removable insulation for ease of installation.

## Nova Single Coil Cylinders - Heat Pump Systems (1000 Litre Max)

**Application:** Nova single coil rapid recovery enamelled cylinders are for use with heat pumps, low temperature sources solid fuel systems, or boilers fired by oil / gas/ LPG or biomass. They come with 100mm of soft jacket insulation. Hard shell insulation is available upon request.  
Insulation Value 0.039 W/K for standard insulation.

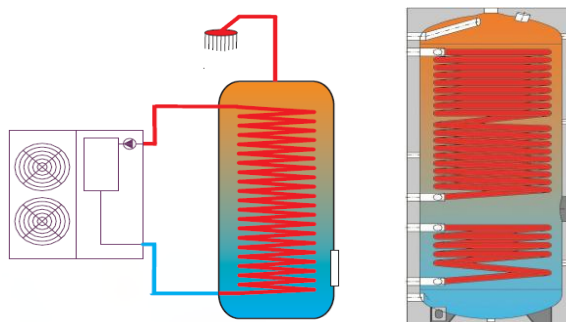
Warranty: 3 Years



Description	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Coil Surface Area	ErP Rating	Code	Euro
200 Litre Single Coil	1215	600	2 x 1"	2 x 1/2"	3.0 m <sup>2</sup> / 72kW	C	WWM200S	€ 1,601
300 Litre Single Coil	1615	600	2 x 1"	2 x 1/2"	4.0 m <sup>2</sup> / 96kW	C	WWM300S	€ 1,790
400 Litre Single Coil	1460	750	2 x 1 1/4"	2 x 1/2"	5.0 m <sup>2</sup> / 130kW	D	WWM400S	€ 1,981
500 Litre Single Coil	1690	750	2 x 1 1/4"	2 x 1/2"	6.0 m <sup>2</sup> / 156kW	D	WWM500S	€ 2,183
800 Litre Single Coil	1845	990	2 x 1 1/4"	3 x 1/2"	7.0 m <sup>2</sup> / 189kW	> 500 LITRE	WWM800S	€ 2,727
1000 Litre Single Coil	2205	990	2 x 1 1/4"	3 x 1/2"	8.0 m <sup>2</sup> / 216kW	> 500 LITRE	WWM1000S	€ 3,072
200 - 500 Litre	DHW Flow Connection : 1"		Cold Feed Connection : 1"		DHW Return Connection : 1/2"			
800 - 1000 Litre	DHW Flow Connection : 1 1/4"		Cold Feed Connection : 1 1/4"		DHW Return Connection : 1"			

## Nova Dual Coil Heat Pump Cylinders - Solar Systems (1000 Litre Max)

**Application:** Nova dual coil rapid recovery enamelled cylinders are for use with heat pumps, solar systems, low temperature sources solid fuel systems, or boilers fired by oil / gas/ LPG or biomass. They come with 100mm of soft jacket insulation. Hard shell insulation is available upon request.  
Insulation Value 0.039 W/K for standard insulation.



Description	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Coil Surface Area	Max Operating	Code	Euro
300 Litre Dual Coil	1615	600	4 x 1"	3 x 1/2"	3.7 m <sup>2</sup> / 1.2 m <sup>2</sup>	C	EPM300S	€ 2,101
500 Litre Dual Coil	1690	740	4 x 1"	3 x 1/2"	5.2 m <sup>2</sup> / 1.8 m <sup>2</sup>	D	EPM500S	€ 2,485
800 Litre Dual Coil	1845	990	4 x 1 1/4"	3 x 1/2"	5.2 m <sup>2</sup> / 2.4 m <sup>2</sup>	> 500 LITRE	EPM800S	€ 3,216
1000 Litre Dual Coil	2205	990	4 x 1 1/4"	3 x 1/2"	6.0 m <sup>2</sup> / 3.7 m <sup>2</sup>	> 500 LITRE	EPM1000S	€ 3,638
200 - 500 Litre	DHW Flow Connection : 1"		Cold Feed Connection : 1"		DHW Return Connection : 1/2"			
800 - 1000 Litre	DHW Flow Connection : 1 1/4"		Cold Feed Connection : 1 1/4"		DHW Return Connection : 1"			

NOTE: 200 - 1000L Units Require Item: AE1 Permanent Electrical Anode @ €146 Each.  
NOTE: Immersions & Unvented Kit's are not included, please refer to optional extras price list if required.

Carriage Extra

V.A.T Extra

## Heat Pump / Rapid Recovery Single - Triple Coil Cylinder Pricelist 2016 (AISI 316L Stainless Steel)

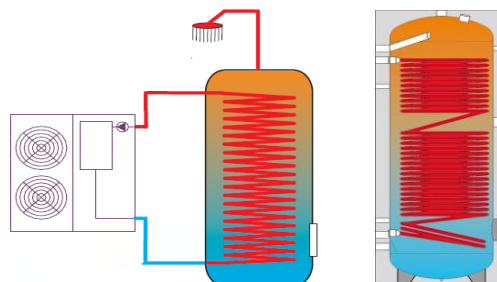
The Nova single, dual and triple coil range are for use in LTHW heating systems with heat pumps, solar systems, low temperature sources, solid fuel systems or standard boilers. The Nova stainless steel series are for applications requiring a single, dual or even triple coil hot water storage and come in capacities ranging from 200 to 1000 Litres. Multiple units can be supplied for rapid recovery. The simple installation procedure make it possible to adapt these cylinders to virtually all plant rooms. These cylinders come with removable insulation for ease of installation.

### Nova Single Coil Cylinders - Heat Pump Systems (1000 Litre Max)

**Application:** Nova single coil rapid recovery stainless steel cylinders are for use with heat pumps, low temperature sources, solid fuel systems, or boilers fired by oil / gas/ LPG or biomass. They come with 100mm of soft jacket insulation. Hard shell insulation is available upon request.

Insulation Value 0.039 W/K for standard insulation.

Warranty: 5 Years



Description	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Coil Surface Area	ErP Rating	Code	Euro
200 Litre Single Coil	1215	600	2 x 1"	2 x 1/2"	2.3 m <sup>2</sup> / 38kW	C	XWWM200S	€ 2,126
300 Litre Single Coil	1615	600	2 x 1"	2 x 1/2"	3.1 m <sup>2</sup> / 72kW	C	XWWM300S	€ 2,395
400 Litre Single Coil	1460	750	2 x 1 1/4"	2 x 1/2"	3.3 m <sup>2</sup> / 76kW	D	XWWM400S	€ 2,653
500 Litre Single Coil	1690	750	2 x 1 1/4"	2 x 1/2"	3.8 m <sup>2</sup> / 85kW	D	XWWM500S	€ 2,835
800 Litre Single Coil	1845	990	2 x 1 1/4"	3 x 1/2"	4.6 m <sup>2</sup> / 116kW	> 500 LITRE	XWWM800S	€ 3,822
1000 Litre Single Coil	2080	990	2 x 1 1/4"	3 x 1/2"	5.3 m <sup>2</sup> / 130kW	> 500 LITRE	XWWM1000S	€ 4,441
200 - 500 Litre	DHW Flow Connection : 1"			Cold Feed Connection : 1"		DHW Return Connection : 1/2"		
800 - 1000 Litre	DHW Flow Connection : 1 1/4"			Cold Feed Connection : 1 1/4"		DHW Return Connection : 1"		

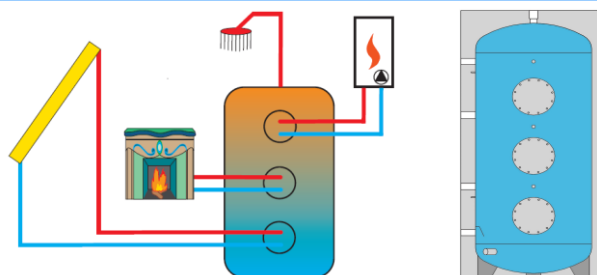
### Nova Direct To Tripe Coil Cylinders - Commercial Systems (5000 Litre Max)

**Application:** Nova dual & triple coil stainless steel cylinders are for use with solar systems, heat pumps, low temperature heat sources, solid fuel systems, boilers fired by oil / gas/ LPG or biomass. They come with 100mm of soft jacket insulation. Hard shell insulation is available upon request.

These cylinders are available with up to three individual flange connections. Suitable coils can be selected to meet the required recovery.

Insulation Value 0.039 W/K for standard insulation.

Warranty: 5 Years



Description	Height (mm)	Diameter (mm)	Coil Selection	Sensor Connections	Max Coil Rating	ErP Rating	Code	Euro
200 Litre Single Coil	1280	600	SR0 COIL ONLY	3 x 1/2"	1.6 m <sup>2</sup> / 48kW	C	XVS1200S	€ 1,506
300 Litre Single Coil	1680	600	SR0 COIL ONLY	3 x 1/2"	1.6 m <sup>2</sup> / 48kW	C	XVS1300S	€ 1,799
500 Litre Single Coil	1755	750	SR0 & SR1A ONLY	3 x 1/2"	2.42 m <sup>2</sup> / 72kW	D	XVS1500S	€ 2,205
800 Litre Single Coil	1855	990	SR0 & SR1A ONLY	3 x 1/2"	2.42 m <sup>2</sup> / 72kW	> 500 LITRE	XVS1800S	€ 2,744
1000 Litre Single Coil	2095	990	SR0 & SR1A ONLY	3 x 1/2"	2.42 m <sup>2</sup> / 72kW	> 500 LITRE	XVS11000S	€ 3,188
200 Litre Triple Coil	1280	600	SR0 COIL ONLY	3 x 1/2"	2.4 m <sup>2</sup> / 72kW	C	XVS3200S	€ 1,861
300 Litre Triple Coil	1680	600	SR0 COIL ONLY	3 x 1/2"	2.4 m <sup>2</sup> / 72kW	C	XVS3300S	€ 2,106
500 Litre Triple Coil	1755	750	SR0 & SR1A ONLY	3 x 1/2"	3.63 m <sup>2</sup> / 108kW	D	XVS3500S	€ 2,513
800 Litre Triple Coil	1855	990	SR0 & SR1A ONLY	3 x 1/2"	3.63 m <sup>2</sup> / 108kW	> 500 LITRE	XVS3800S	€ 3,070
1000 Litre Triple Coil	2095	990	SR0 & SR1A ONLY	3 x 1/2"	3.63 m <sup>2</sup> / 108kW	> 500 LITRE	XVS31000S	€ 3,514
200 - 500 Litre	DHW Flow Connection : 1 1/4"			Cold Feed Connection : 1 1/4"		DHW Return Connection : 1/2"		
800 - 1000 Litre	DHW Flow Connection : 1 1/2"			Cold Feed Connection : 1 1/2"		DHW Return Connection : 1 1/2"		

NOTE: 200 - 1000L Units Require Item: AE1 Permanent Electrical Anode @ €146 Each.

NOTE: Immersions & Unvented Kit's are not included, please refer to optional extras price list if required.

### OPTIONAL HEATING COILS: C/W FLANGE, CAP, NUTS & BOLTS FOR FLANGE

Description	For Cylinder	Diameter	Coil Connections	Coil Length (mm)	Coil Rating	Max Operating	Code	Euro
24kW XVS Coil	200 - 1000 Litre	DN100	3/4"	400	0.8 m <sup>2</sup> / 24kW	6 Bar / 95°C	SR0	€ 247
36kW XVS Coil	500 - 1000 Litre	DN100	3/4"	550	1.21 m <sup>2</sup> / 36kW	6 Bar / 95°C	SR1A	€ 267

Carriage Extra

V.A.T Extra



# Rapid Recovery Triple Coil Hot Water Cylinder Pricelist 2016 (Enamelled)

The Nova single, dual and triple coil range are for use in LTHW heating systems with heat pumps, solar systems, low temperature sources, solid fuel systems or standard boilers. The Nova enamelled series are for applications requiring a single, dual or even triple coil hot water storage and come in capacities ranging from 200 to 3000 Litres. Multiple units can be supplied for rapid recovery. The simple installation procedure make it possible to adapt these cylinders to virtually all plant rooms. These cylinders come with removable insulation for ease of installation.

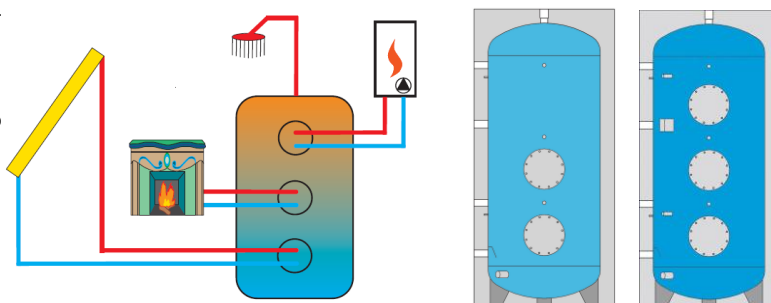
## Nova Single & Tripe Coil Cylinders -Three Heat Sources (3000 Litre Max)

**Application:** Nova dual & triple coil enamelled cylinders are for use with solar system heat pumps, low temperature heat sources, solid fuel systems, boilers fired by oil / gas/ LPG or biomass. They come with 100mm of soft jacket insulation. Hard shell insulation is available upon request.

These cylinders are available with up to three individual flange connections. Suitable coils can be selected to meet the required recovery.

Insulation Value 0.039 W/K for standard insulation.

Warranty: 3 Years



Description	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Max Coil Rating	ErP Rating	Code	Euro
200 Litre Single Coil	1280	700	Max 1 Coils Available	3 x 1/2"	2.4 m2 / 72kW	C	VS1200S	€ 1,116
300 Litre Single Coil	1680	700	Max 1 Coils Available	3 x 1/2"	2.4 m2 / 72kW	C	VS1300S	€ 1,234
500 Litre Single Coil	1755	850	Max 1 Coils Available	3 x 1/2"	3.6 m2 / 86kW	D	VS1500S	€ 1,419
800 Litre Single Coil	1855	990	Max 1 Coils Available	3 x 1/2"	6.4 m2 / 150kW	> 500 LITRE	VS1800S	€ 1,616
1000 Litre Single Coil	2205	990	Max 1 Coils Available	3 x 1/2"	6.4 m2 / 150kW	> 500 LITRE	VS11000S	€ 1,759
1500 Litre Single Coil	2155	1200	Max 1 Coils Available	3 x 1/2"	9.1 m2 / 216kW	> 500 LITRE	VS11500S	€ 3,365
2000 Litre Single Coil	2470	1300	Max 1 Coils Available	3 x 1/2"	12.7 m2 / 300kW	> 500 LITRE	VS12000S	€ 3,809
2500 Litre Single Coil	2280	1450	Max 1 Coils Available	3 x 1/2"	12.7 m2 / 300kW	> 500 LITRE	VS12500S	€ 4,672
3000 Litre Single Coil	2680	1450	Max 1 Coils Available	3 x 1/2"	12.7 m2 / 300kW	> 500 LITRE	VS13000S	€ 5,817
800 Litre Triple Coil	1855	990	Max 3 Coils Available	3 x 1/2"	9.6 m2 / 225kW	> 500 LITRE	VS3800S	€ 1,886
1000 Litre Triple Coil	2205	990	Max 3 Coils Available	3 x 1/2"	9.6 m2 / 225kW	> 500 LITRE	VS31000S	€ 2,030
1500 Litre Triple Coil	2155	1200	Max 3 Coils Available	3 x 1/2"	13.6 m2 / 324kW	> 500 LITRE	VS31500S	€ 3,466
2000 Litre Triple Coil	2470	1300	Max 3 Coils Available	3 x 1/2"	19 m2 / 450kW	> 500 LITRE	VS32000S	€ 4,008
2500 Litre Triple Coil	2280	1450	Max 3 Coils Available	3 x 1/2"	19 m2 / 450kW	> 500 LITRE	VS32500S	€ 4,762
3000 Litre Triple Coil	2680	1450	Max 3 Coils Available	3 x 1/2"	19 m2 / 450kW	> 500 LITRE	VS33000S	€ 5,907

200 - 500 Litre DHW Flow Connection : 1 1/4"

Cold Feed Connection : 1 1/2"

DHW Return Connection : 1 1/4"

800 - 1000 Litre DHW Flow Connection : 1 1/2"

Cold Feed Connection : 1 1/2"

DHW Return Connection : 1 1/4"

1500 Litre DHW Flow Connection : 1 1/4"

Cold Feed Connection : 1 1/2"

DHW Return Connection : 1 1/4"

2000 Litre DHW Flow Connection : 2"

Cold Feed Connection : 2"

DHW Return Connection : 1 1/4"

3000 Litre DHW Flow Connection : 2"

Cold Feed Connection : 2"

DHW Return Connection : 1 1/4"

NOTE: 200 - 1000L Units Require 2No. Item: AE1 Permanent Electrical Anode @ €146 Each.

NOTE: 1500 - 3000L Units Require 2No. Item: AE2 Permanent Electrical Anode @ €170 Each.

NOTE: Immersions & Unvented Kit's are not included, please refer to optional extras price list if required.

## OPTIONAL HEATING COILS: C/W FLANGE, CAP, NUTS & BOLTS FOR FLANGE

Description	For Cylinder	Diameter	Coil Connections	Coil Length (mm)	Coil Rating	Max Operating	Code	Euro
36kW VS Coil	200 - 3000 Litre	DN200	3/4"	420	1.21 m2 / 36kW	6 Bar / 95°C	SR1B	€ 266
43kW VS Coil	500 - 3000 Litre	DN200	3/4"	470	1.8 m2 / 43kW	6 Bar / 95°C	SR2	€ 364
62kW VS Coil	800 - 3000 Litre	DN200	3/4"	580	2.63 m2 / 62kW	6 Bar / 95°C	SR3	€ 472
75kW VS Coil	800 - 3000 Litre	DN200	3/4"	660	3.2 m2 / 75kW	6 Bar / 95°C	SR4	€ 571
108kW VS Coil	1500 - 3000 Litre	DN200	1"	750	4.54 m2 / 108kW	6 Bar / 95°C	SR5	€ 839
150kW VS Coil	2000 - 3000 Litre	DN200	1"	980	6.34 m2 / 150kW	6 Bar / 95°C	SR6	€ 1,107

Carriage Extra

V.A.T Extra



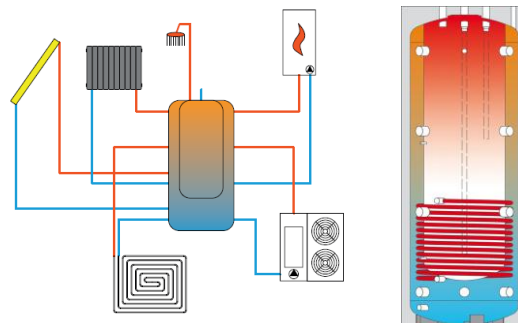
## 6Tank In Tank Heating Buffer & Hot Water Cylinder Pricelist 2016 (Enamelled)

The Nova tank in tank range are for use LTHW heating systems with heat pumps, solar systems, low temperature sources, solid fuel systems or standard boilers. The tank in tank series are for applications requiring a heating buffer, hot water cylinder and rapid recovery coil in a single package unit. Available in two versions combining a coil or no coil and with a selection of capacities. The simple installation procedure make it possible to adapt these cylinders to virtually all plant rooms. These cylinders come with rigid spray foam insulation fitted in the factory.

### Nova Tank In Tank Range - Four Heat Sources (450 Litres Max)

**Application:** Nova enamelled tank in tank units are for use with solar systems, heat pumps, low temperature heat sources, solid fuel systems, boilers fired by oil / gas/ LPG or biomass. They come with 50mm of fixed insulation. Insulation Value 0.039 W/K for standard insulation.

Warranty: 5 Years



Description (DHW / HTG)	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Coil Surface Area	ErP Rating	Code	Euro
140 / 164 Litre Direct	1315	700	0	3 x 1/2"	0	C	MB300	€ 1,355
228 / 229 Litre Direct	1885	700	0	3 x 1/2"	0	D	MB450	€ 1,454
140/158 Litre Single Coil	1315	700	2 x 3/4"	3 x 1/2"	1.2 m2 / 29kW	C	MBS300	€ 1,472
228/222 Litre Single Coil	1885	700	2 x 3/4"	3 x 1/2"	1.6 m2 / 38kW	D	MBS450	€ 1,526

DHW Flow Connection : 1"

Cold Feed Connection : 1"

DHW Return Connection : 1"

Buffer Connections : 9 x 1 1/2"

Drain Connection : 3/4"

Weight: 125 - 195kg

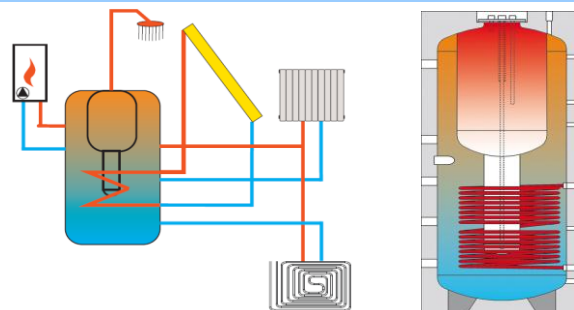
NOTE: MB & MBS Units Require Item: AE1 Permanent Electrical Anode @ €146 Each.

NOTE: Immersions & Unvented Kit's are not included, please refer to optional extras price list if required.

### Nova Tank In Tank Range - Three Heat Sources (2600 Litres Max)

**Application:** Nova enamelled dual coil tank in tank units are for use with solar systems, heat pumps, low temperature heat sources, solid fuel systems, boilers fired by oil / gas/ LPG or biomass. They come with 100mm of soft jacket insulation. Hard shell insulation is available upon request. Insulation Value 0.039 W/K for standard insulation.

Warranty: 5 Years



Description (DHW / HTG)	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Coil Surface Area	Max Operating	Code	Euro
170 / 470 Litre Dual Coil	1775	950	4 x 1"	4 x 1/2"	4.0 m2 / 97kW	3 Bar / 95°C	BSF2S600S	€ 1,980
205 / 544 Litre Dual Coil	2045	950	4 x 1"	4 x 1/2"	4.2 m2 / 104kW	3 Bar / 95°C	BSF2S750S	€ 2,294
220 / 610 Litre Dual Coil	2050	990	4 x 1"	4 x 1/2"	5.0 m2 / 121kW	3 Bar / 95°C	BSF2S1000S	€ 2,516
330 / 1065 Litre Dual Coil	2150	1200	4 x 1"	4 x 1/2"	5.3 m2 / 136kW	3 Bar / 95°C	BSF2S1500S	€ 3,301
420 / 1595 Litre Dual Coil	2495	1300	4 x 1"	4 x 1/2"	6.8 m2 / 171kW	3 Bar / 95°C	BSF2S2000S	€ 4,035

DHW Flow Connection : 1"

Cold Feed Connection : 1"

DHW Return Connection : 1"

Buffer Connections : 6 x 1 1/2"

Drain Connection : 3/4"

Weight: 270 - 570kg

NOTE: Kombi Units Require Item: AE1 Permanent Electrical Anode @ €146 Each.

NOTE: Immersions & Unvented Kit's are not included, please refer to optional extras price list if required.

Carriage Extra

V.A.T Extra

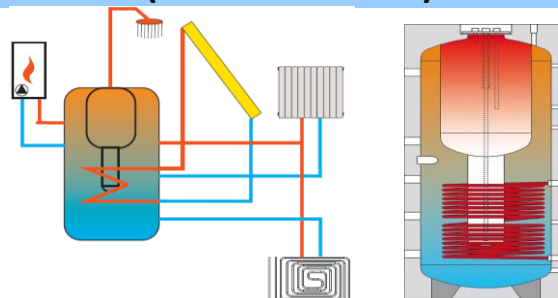
# Tank In Tank Heating Buffer & Hot Water Cylinder Pricelist 2016 (AISI 316L Stainless Steel)

The Nova tank in tank range are for use LTHW heating systems with heat pumps, solar systems, low temperature sources, solid fuel systems or standard boilers. The tank in tank series are for applications requiring a heating buffer, hot water cylinder and rapid recovery coil in a single package unit. Available as a direct, indirect or dual coil version and with a selection of capacities. The simple installation procedure make it possible to adapt these cylinders to virtually all plant rooms. These cylinders come with removable insulation for ease of installation.

## Nova Tank In Tank Range - Three Heat Sources (2000 Litres Max)

**Application:** Nova stainless steel dual coil tank in tank units are for use with solar systems, heat pumps, low temperature heat sources, solid fuel systems, boilers fired by oil / gas/ LPG or biomass. They come with 100mm of soft jacket insulation. Hard shell insulation is available upon request. Insulation Value 0.039 W/K for standard insulation.

Warranty: 5 Years



Description (DHW / HTG)	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Coil Surface Area	Max Operating	Code	Euro
140 / 500 Litre Direct	1775	950	0	4 x 1/2"	0	3 Bar / 95°C	XB600S	€ 2,034
175 / 575 Litre Direct	2045	950	0	4 x 1/2"	0	3 Bar / 95°C	XB750S	€ 2,314
190 / 640 Litre Direct	2050	990	0	4 x 1/2"	0	3 Bar / 95°C	XB1000S	€ 2,661
300 / 1093 Litre Direct	2150	1200	0	4 x 1/2"	0	3 Bar / 95°C	XB1500S	€ 3,497
390 / 1625 Litre Direct	2495	1300	0	4 x 1/2"	0	3 Bar / 95°C	XB2000S	€ 4,061
170 / 492 Litre Single Coil	1775	950	2 x 1"	4 x 1/2"	2.5 m2 / 63kW	3 Bar / 95°C	XBSF600S	€ 2,175
205 / 568 Litre Single Coil	2045	950	2 x 1"	4 x 1/2"	2.7 m2 / 68kW	3 Bar / 95°C	XBSF750S	€ 2,534
220 / 635 Litre Single Coil	2050	990	2 x 1"	4 x 1/2"	3.0 m2 / 75kW	3 Bar / 95°C	XBSF1000S	€ 2,859
330 / 1119 Litre Single Coil	2150	1200	2 x 1"	4 x 1/2"	3.3 m2 / 86kW	3 Bar / 95°C	XBSF1500S	€ 3,759
420 / 1634 Litre Single Coil	2495	1300	2 x 1"	4 x 1/2"	3.8 m2 / 99kW	3 Bar / 95°C	XBSF2000S	€ 4,359
170 / 470 Litre Dual Coil	1775	950	4 x 1"	4 x 1/2"	4.0 m2 / 97kW	3 Bar / 95°C	XBSF2S600S	€ 2,319
205 / 545 Litre Dual Coil	2045	950	4 x 1"	4 x 1/2"	4.2 m2 / 104kW	3 Bar / 95°C	XBSF2S750S	€ 2,711
220 / 610 Litre Dual Coil	2050	990	4 x 1"	4 x 1/2"	5.0 m2 / 121kW	3 Bar / 95°C	XBSF2S1000S	€ 3,069
330 / 1063 Litre Dual Coil	2150	1200	4 x 1"	4 x 1/2"	5.3 m2 / 136kW	3 Bar / 95°C	XBSF2S1500S	€ 3,993
420 / 1595 Litre Dual Coil	2495	1300	4 x 1"	4 x 1/2"	6.8 m2 / 171kW	3 Bar / 95°C	XBSF2S2000S	€ 4,610

DHW Flow Connection : 1"

Cold Feed Connection : 1"

DHW Return Connection : 1"

Buffer Connections : 6 x 1 1/2"

Drain Connection : 3/4"

Weight: 270 - 570kg

NOTE: Inox Kombi Units Require Item: AE1 Permanent Electrical Anode @ €146 Each.  
NOTE: Immersions & Unvented Kit's are not included, please refer to optional extras price list if required.

Carriage Extra

V.A.T Extra

# Stratified Combination Tank For Instant Hot Water Pricelist 2016

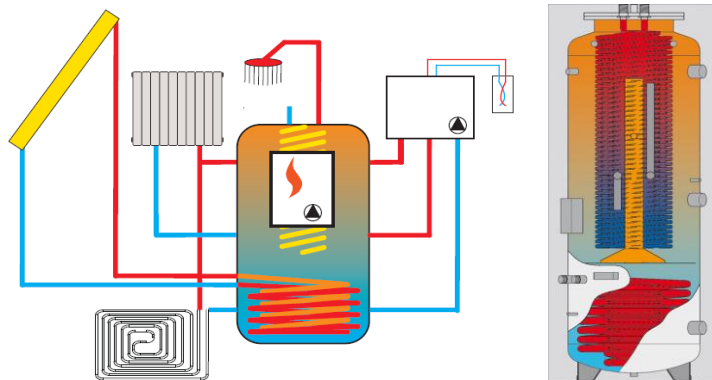
## (Direct Buffer c/w Solar Coil & Instant Hot Water)

The Total Tank TT range are for use LTHW heating systems with heat pumps, solar systems, low temperature sources, solid fuel systems or standard boilers. The Total Tank series are for applications requiring a rapid recovery in capacities ranging from 300 to 1500 Litres as standard. Multiple units can be supplied for high demands. The Total Tank has a unique stratification chimney to insure hot water priority from the solar coil. In addition the cylinder comes with a baffle plate and directional connections, when combined the result is unparalleled instant hot water production in a combined heating and hot water unit. The 600 - 1500 Litre cylinders come with removable insulation for ease of installation.

### NOVA STRATIFIED TANK - THREE HEAT SOURCES (1500 Litres Max)

**Application:** Nova stratified tank units are for use with solar systems, heat pumps, low temperature heat sources, solid fuel systems, boilers fired by oil / gas/ LPG or biomass. They come with 100mm of soft jacket insulation. Hard shell insulation is available upon request. These cylinders are available with a range of hot water flow rates. Suitable coils can be selected to meet the required recovery rate. Insulation Value 0.039 W/K for standard insulation.

Warranty: 5 Years



Description	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Max Coil Rating	ErP Rating	Code	Euro
300 Litre Single Coil	1630	600	2 x 1"	3 x 1/2"	1.4 m2 / 34kW	C	TT300S	€ 1,298
500 Litre Single Coil	1680	750	2 x 1"	3 x 1/2"	1.8 m2 / 44kW	D	TT500S	€ 1,441
600 Litre Single Coil	1940	850	2 x 1"	3 x 1/2"	2.2 m2 / 55kW	> 500 LITRE	TT600S	€ 1,846
800 Litre Single Coil	1800	990	2 x 1"	3 x 1/2"	3.0 m2 / 75kW	> 500 LITRE	TT800S	€ 1,949
1000 Litre Single Coil	2050	990	2 x 1"	3 x 1/2"	3.0 m2 / 78kW	> 500 LITRE	TT1000S	€ 2,108
1500 Litre Single Coil	2165	1200	2 x 1"	3 x 1/2"	4.0 m2 / 104kW	> 500 LITRE	TT1500S	€ 2,832
300 - 1500 Litre	Boiler Connection : 3/4"		Heating Connection : 7 x 1 1/2"			Air Vent Connection : 1/2"		
300 - 500 Litre	50mm Sprayed Hard PU Insulation				600 - 1500 Litre 100mm Removable Insulation Jacket			

NOTE: Hot water coil not included, please select suitable rating / flow rate required below.

NOTE: Immersions & Unvented Kit's are not included, please refer to optional extras price list if required.

### COILS FOR INSTANT HOT WATER PRODUCTION: C/W FLANGE, CAP, NUTS & BOLTS FOR FLANGE

Hot Water Coil	For Cylinder	Coil Connections	Material	Required Tank Temp.	Coil Rating	Max Operating	Code	Euro
25 Litres / Min Coil	300 - 500 Litre	2 x 3/4"	Copper Finned	80°C	3.0 m2 / 60kW	6 Bar / 95°C	SST3	€ 519
33 Litres / Min Coil	300 - 500 Litre	2 x 3/4"	Copper Finned	80°C	4.0 m2 / 80kW	6 Bar / 95°C	SST4	€ 647
41 Litres / Min Coil	300 - 500 Litre	2 x 3/4"	Copper Finned	80°C	5.0 m2 / 100kW	6 Bar / 95°C	SST5	€ 788
25 Litres / Min Coil	600 - 1500 Litre	2 x 1 1/4"	316L Stainless Steel	80°C	3.38 m2 / 59kW	6 Bar / 95°C	SAX3	€ 884
30 Litres / Min Coil	600 - 1500 Litre	2 x 1 1/4"	316L Stainless Steel	80°C	4.27 m2 / 74kW	6 Bar / 95°C	SAX4	€ 979
35 Litres / Min Coil	600 - 1500 Litre	2 x 1 1/4"	316L Stainless Steel	80°C	4.87 m2 / 85kW	6 Bar / 95°C	SAX5	€ 1,044
38 Litres / Min Coil	600 - 1500 Litre	2 x 1 1/4"	316L Stainless Steel	80°C	5.46 m2 / 95kW	6 Bar / 95°C	SAX6	€ 1,167
60 Litres / Min Coil	600 - 1500 Litre	2 x 1 1/4"	316L Stainless Steel	80°C	8.38 m2 / 146kW	6 Bar / 95°C	SAX8	€ 1,366

Carriage Extra

V.A.T Extra

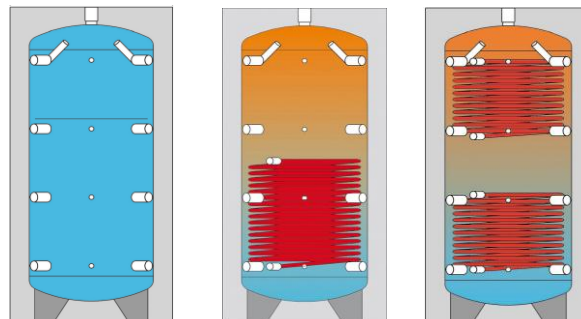
# HEATING BUFFER TANK PRICE LIST 2016

The Nova dual coil heating buffer range are for use in LTHW heating systems with heat pumps, solar systems, low temperature sources, solid fuel systems or standard boilers. The Nova series are for applications requiring up to five heat sources to be installed at once in a direct or dual coil heating buffer. Available in multiple versions combining a single coil or dual coil and with a selection of capacities. The simple installation procedure makes it possible to adapt these cylinders to virtually all plant rooms. These cylinders come with removable insulation for ease of installation.

## NOVA HEATING BUFFER TANK RANGE - FIVE HEAT SOURCES (5000 LITRE MAX)

**Application:** Nova dual coil buffer tank units are for use with solar systems, heat pumps, low temperature heat sources, solid fuel systems, boilers fired by oil / gas/ LPG or biomass. They come with 100mm of soft jacket insulation. Hard shell insulation is available upon request.  
Insulation Value 0.039 W/K for standard insulation.  
Buffers can be rated for 6 bar pressure upon request.

Warranty: 2 Years



Description	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Coil Surface Area	ErP Rating	Code	Euro
100 Litre Direct	1095	500	0	3 x 1/2"	0	B	PSS100S	€ 400
200 Litre Direct	1395	550	0	3 x 1/2"	0	C	PSS200S	€ 530
300 Litre Direct	1635	700	0	4 x 1/2"	0	C	PS300S	€ 682
500 Litre Direct	1775	850	0	4 x 1/2"	0	D	PS500S	€ 893
800 Litre Direct	1800	990	0	4 x 1/2"	0	> 500 LITRE	PS800S	€ 1,186
1000 Litre Direct	2190	990	0	4 x 1/2"	0	> 500 LITRE	PS1000S	€ 1,288
1250 Litre Direct	2095	1100	0	4 x 1/2"	0	> 500 LITRE	PS1250S	€ 1,466
1500 Litre Direct	2165	1200	0	4 x 1/2"	0	> 500 LITRE	PS1500S	€ 1,929
2000 Litre Direct	2480	1300	0	4 x 1/2"	0	> 500 LITRE	PS2000S	€ 2,336
2500 Litre Direct	2220	1450	0	4 x 1/2"	0	> 500 LITRE	PS2500S	€ 2,932
3000 Litre Direct	2720	1450	0	4 x 1/2"	0	> 500 LITRE	PS3000S	€ 3,832
4000 Litre Direct	2645	1700	0	4 x 1/2"	0	> 500 LITRE	PS4000S	€ 4,370
5000 Litre Direct	2870	1800	0	4 x 1/2"	0	> 500 LITRE	PS5000S	€ 4,839
300 Litre Single Coil	1635	700	2 x 1"	4 x 1/2"	1.8 m2 / 43kW	C	PSR300S	€ 1,097
500 Litre Single Coil	1775	850	2 x 1"	4 x 1/2"	1.8 m2 / 45kW	D	PSR500S	€ 1,223
800 Litre Single Coil	1800	990	2 x 1"	4 x 1/2"	2.6 m2 / 65kW	> 500 LITRE	PSR800S	€ 1,420
1000 Litre Single Coil	2190	990	2 x 1"	4 x 1/2"	2.6 m2 / 68kW	> 500 LITRE	PSR1000S	€ 1,550
1250 Litre Single Coil	2095	1100	2 x 1"	4 x 1/2"	3.8 m2 / 95kW	> 500 LITRE	PSR1250S	€ 1,785
1500 Litre Single Coil	2165	1200	2 x 1"	4 x 1/2"	3.8 m2 / 99kW	> 500 LITRE	PSR1500S	€ 2,231
2000 Litre Single Coil	2480	1300	2 x 1"	4 x 1/2"	3.8 m2 / 103kW	> 500 LITRE	PSR2000S	€ 2,652
2500 Litre Single Coil	2220	1450	2 x 1"	4 x 1/2"	3.8 m2 / 107kW	> 500 LITRE	PSR2500S	€ 3,263
3000 Litre Single Coil	2720	1450	2 x 1"	4 x 1/2"	5.0 m2 / 130kW	> 500 LITRE	PSR3000S	€ 4,187
4000 Litre Single Coil	2645	1700	2 x 1"	4 x 1/2"	5.0 m2 / 135kW	> 500 LITRE	PSR4000S	€ 4,767
5000 Litre Single Coil	2870	1800	2 x 1"	4 x 1/2"	5.0 m2 / 140kW	> 500 LITRE	PSR5000S	€ 5,301
500 Litre Dual Coil	1775	850	4 x 1"	4 x 1/2"	4.0 m2 / 82kW	D	PSRR500S	€ 1,349
800 Litre Dual Coil	1800	990	4 x 1"	4 x 1/2"	4.5 m2 / 105kW	> 500 LITRE	PSRR800S	€ 1,610
1000 Litre Dual Coil	2190	990	4 x 1"	4 x 1/2"	5.0 m2 / 117kW	> 500 LITRE	PSRR1000S	€ 1,813
1250 Litre Dual Coil	2095	1100	4 x 1"	4 x 1/2"	5.5 m2 / 133kW	> 500 LITRE	PSRR1250S	€ 2,042
1500 Litre Dual Coil	2165	1200	4 x 1"	4 x 1/2"	6.5 m2 / 157kW	> 500 LITRE	PSRR1500S	€ 2,466

Buffer Connections : 8 x 1 1/2"

Weight: 90kg - 645kg

Air Vent Connection : 1/2"

NOTE: Immersions & pockets are not included, please refer to optional extras price list if required.

Carriage Extra

V.A.T Extra

# DUAL COIL HEATING BUFFER WITH INSTANT HOT WATER PRICELIST 2016

The Nova dual coil heating buffer range are for use in LTHW heating systems with heat pumps, solar systems, low temperature sources, solid fuel systems or standard boilers. The Nova series are for applications requiring up to five heat sources to be installed at once in a direct or dual coil heating buffer while providing instant hot water production via a sanitary coil, eliminating legionella issues. Available in multiple versions combining a single coil or dual coil and with a selection of capacities. The simple installation procedure makes it possible to adapt these cylinders to virtually all plant rooms. These cylinders come with removable insulation for ease of installation.

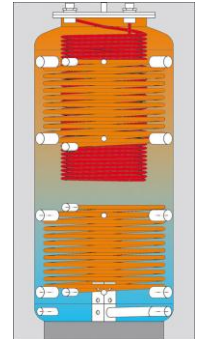
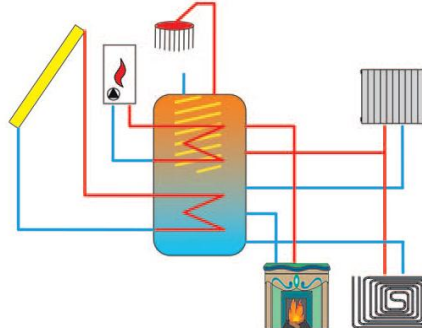
## NOVA INSTANT HOT WATER TANK - FIVE HEAT SOURCES (3000 Litres Max)

**Application:** Nova dual coil buffer tank units are for use with solar systems, heat pumps, low temperature heat sources, solid fuel systems, boilers fired by oil / gas / LPG or biomass. They come with 100mm of soft jacket insulation. Hard shell insulation is available upon request.

These buffers come with with a range of fixed coils for instant hot water. Insulation Value 0.039 W/K for standard insulation.

Buffers can be rated for 6 bar pressure upon request.

Warranty: 5 Years



Description	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Coil Surface Area	ErP Rating	Code	Euro
500 Litre Direct	1690	850	0	4 x 1/2"	0	D	PST500S	€ 2,240
800 Litre Direct	1725	990	0	4 x 1/2"	0	> 500 LITRE	PST800S	€ 2,393
1000 Litre Direct	2175	990	0	4 x 1/2"	0	> 500 LITRE	PST1000S	€ 2,612
1250 Litre Direct	2030	1100	0	4 x 1/2"	0	> 500 LITRE	PST1250S	€ 2,670
1500 Litre Direct	2110	1200	0	4 x 1/2"	0	> 500 LITRE	PST1500S	€ 3,306
2000 Litre Direct	2445	1300	0	4 x 1/2"	0	> 500 LITRE	PST2000S	€ 3,714
2500 Litre Direct	2215	1450	0	4 x 1/2"	0	> 500 LITRE	PST2500S	€ 4,310
3000 Litre Direct	2715	1450	0	4 x 1/2"	0	> 500 LITRE	PST3000S	€ 5,410
500 Litre Single Coil	1690	850	2 x 1"	4 x 1/2"	2.0 m2 / 48kW	D	PSTR500S	€ 2,400
800 Litre Single Coil	1725	990	2 x 1"	4 x 1/2"	2.5 m2 / 63kW	> 500 LITRE	PSTR800S	€ 2,626
1000 Litre Single Coil	2175	990	2 x 1"	4 x 1/2"	3.0 m2 / 75kW	> 500 LITRE	PSTR1000S	€ 2,873
1250 Litre Single Coil	2030	1100	2 x 1"	4 x 1/2"	3.0 m2 / 78kW	> 500 LITRE	PSTR1250S	€ 2,953
1500 Litre Single Coil	2110	1200	2 x 1"	4 x 1/2"	3.5 m2 / 91kW	> 500 LITRE	PSTR1500S	€ 3,514
2000 Litre Single Coil	2445	1300	2 x 1"	4 x 1/2"	4.0 m2 / 104kW	> 500 LITRE	PSTR2000S	€ 3,917
2500 Litre Single Coil	2215	1450	2 x 1"	4 x 1/2"	4.0 m2 / 104kW	> 500 LITRE	PSTR2500S	€ 4,509
3000 Litre Single Coil	2715	1450	2 x 1"	4 x 1/2"	5.0 m2 / 130kW	> 500 LITRE	PSTR3000S	€ 5,620
500 Litre Dual Coil	1690	850	4 x 1"	4 x 1/2"	4.0 m2 / 82kW	D	PSTRR500S	€ 2,553
800 Litre Dual Coil	1725	990	4 x 1"	4 x 1/2"	4.5 m2 / 105kW	> 500 LITRE	PSTRR800S	€ 2,787
1000 Litre Dual Coil	2175	990	4 x 1"	4 x 1/2"	5.0 m2 / 117kW	> 500 LITRE	PSTRR1000S	€ 3,015
1250 Litre Dual Coil	2030	1100	4 x 1"	4 x 1/2"	5.5 m2 / 133kW	> 500 LITRE	PSTRR1250S	€ 3,198
1500 Litre Dual Coil	2110	1200	4 x 1"	4 x 1/2"	6.5 m2 / 157kW	> 500 LITRE	PSTRR1500S	€ 3,735
2000 Litre Dual Coil	2445	1300	4 x 1"	4 x 1/2"	7.0 m2 / 170kW	> 500 LITRE	PSTRR2000S	€ 4,124
2500 Litre Dual Coil	2215	1450	4 x 1"	4 x 1/2"	8.0 m2 / 208kW	> 500 LITRE	PSTRR2500S	€ 4,797
3000 Litre Dual Coil	2715	1450	4 x 1"	4 x 1/2"	10.0 m2 / 260kW	> 500 LITRE	PSTRR3000S	€ 5,800

DHW Flow Connection : 1 1/4"

Cold Feed Connection : 1 1/4"

Air Vent Connection : 1/2"

Buffer Connections : 8 x 1 1/2"

Drain Connection : 1"

Weight: 140 - 535kg

NOTE: Hot water coil is included and has a fixed rating.

NOTE: Immersions & Unvented Kit's are not included, please refer to optional extras price list if required.

## HOT WATER COIL RATING (FIXED)

Hot Water Coil	Hot Water Coil	Coil Connections	Material	Required Tank Temp.	Coil Rating	Max Operating	Code	Euro
500 Litre Buffer	25 Litres / Min	2 x 1 1/4"	316L Stainless Steel	80°C	3.38 m2 / 59kW	6 Bar / 95°C	-	Incl.
800 Litre Buffer	25 Litres / Min	2 x 1 1/4"	316L Stainless Steel	80°C	3.38 m2 / 59kW	6 Bar / 95°C	-	Incl.
1000 Litre Buffer	30 Litres / Min	2 x 1 1/4"	316L Stainless Steel	80°C	4.27 m2 / 74kW	6 Bar / 95°C	-	Incl.
1250 Litre Buffer	30 Litres / Min	2 x 1 1/4"	316L Stainless Steel	80°C	4.27 m2 / 74kW	6 Bar / 95°C	-	Incl.
1500 Litre Buffer	35 Litres / Min	2 x 1 1/4"	316L Stainless Steel	80°C	4.87 m2 / 85kW	6 Bar / 95°C	-	Incl.
2000 Litre Buffer	35 Litres / Min	2 x 1 1/4"	316L Stainless Steel	80°C	4.87 m2 / 85kW	6 Bar / 95°C	-	Incl.
2500 Litre Buffer	35 Litres / Min	2 x 1 1/4"	316L Stainless Steel	80°C	4.87 m2 / 85kW	6 Bar / 95°C	-	Incl.
3000 Litre Buffer	38 Litres / Min	2 x 1 1/4"	316L Stainless Steel	80°C	5.46 m2 / 95kW	6 Bar / 95°C	-	Incl.

Carriage Extra

V.A.T Extra





# Exhaust Air Heat Pump Dual Coil Hot Water Cylinder Pricelist 2016 (Enamelled)



The Energy HP range produce domestic hot water system and provide ventilation extract for buildings. The Energy series are for applications such as canteens, restaurants, dwellings, shower facilities etc. requiring ventilation of the building while using the heat in the ventilated air to heat the hot water cylinder, efficiently and cost effectively. The HP units are available with two additional coils for connection to a solar systems, solid fuel systems, boilers fired by oil / gas/ LPG or biomass.

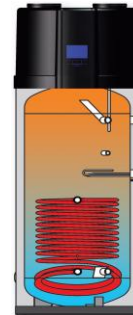
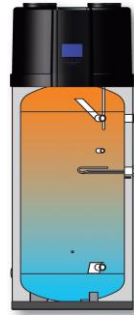
## Energy HP Dual Coil Range - High Efficiency Hot Water Cylinders Up To 70°C

**Application:** Nova heat pump hot water cylinder are for use where a building requires ventilation and hot water. These units can be connected with solar systems, solid fuel systems, boilers fired by oil / gas/ LPG or biomass for quicker recovery. They come with 50mm of fixed insulation. Insulation Value 0.023 W/K for standard insulation.

Warranty: 5 Years



**COP = 3.72 @ DHW 55°C**  
**ErP A RATED EFFICIENCY**



Description	Height (mm)	Diameter (mm)	Coil Connections	Sensor Connections	Max Coil Rating	Max Operating	Code	Euro
228 Lire Direct	1640	654	0	2 x 1/2"	0	10 Bar / 70°C	HPV200	€ 2,250
286 Lire Direct	1890	654	0	2 x 1/2"	0	10 Bar / 70°C	HPV300	€ 2,300
220 Litre Single Coil	1640	654	2 x 1"	2 x 1/2"	1.2 m2	10 Bar / 70°C	HPM200	€ 2,350
278 Litre Single Coil	1890	654	2 x 1"	2 x 1/2"	1.2 m2	10 Bar / 70°C	HPM300	€ 2,400
217 Litre Dual Coil	1640	654	4 x 1"	2 x 1/2"	0.5 & 1.2 m2	10 Bar / 70°C	HPD200	€ 2,450
273 Litre Dual Coil	1890	654	4 x 1"	2 x 1/2"	0.5 & 1.2 m2	10 Bar / 70°C	HPD300	€ 2,500

DHW Flow Connection : 1"

C.O.P. = 3.7 @ DHW 55°C

Auxiliary Electrical Heater 1.2kW

Cold Feed Connection : 1"

Electrical Supply: 230V

Rated Power Input - 503W

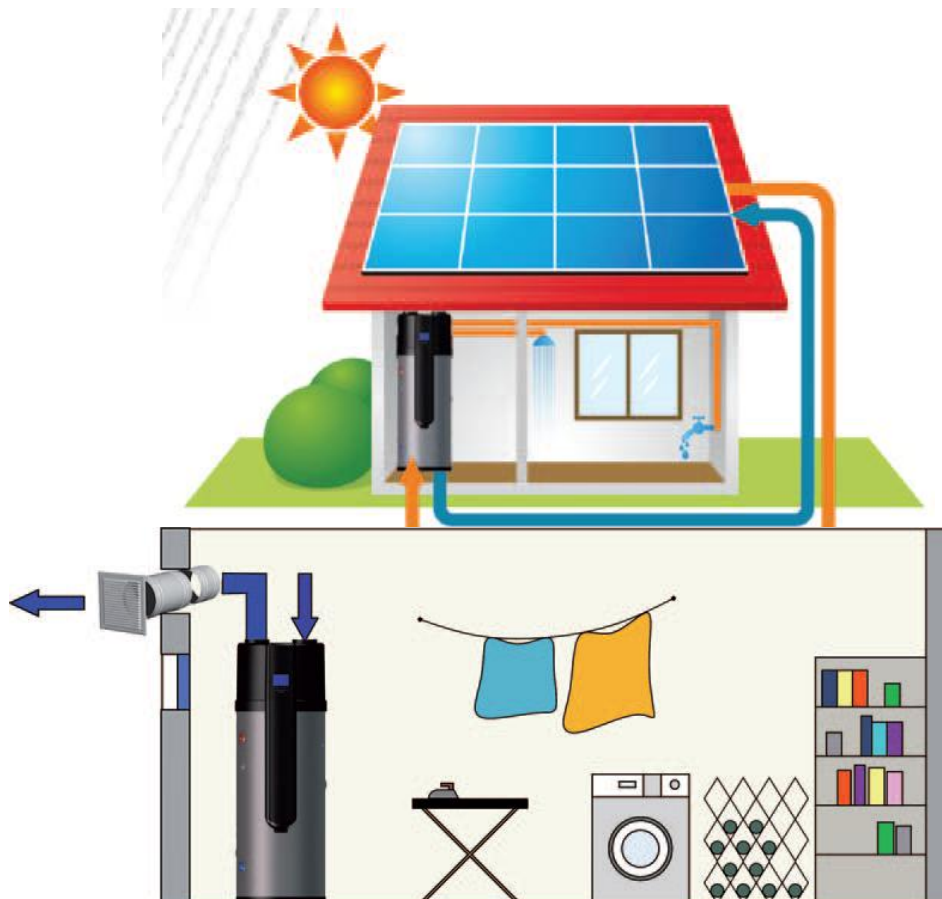
DHW Return Connection : 1/2"

Weight: 112kg - 137kg

Max Working Pressure 10bar

NOTE: HP Units Require 1No. Item: AE1 Permanent Electrical Anode @ €146 Each.

NOTE: Ducting & Unvented Kit's are not included, please refer to optional extras price list if required.



Carriage Extra

V.A.T Extra

## OPTIONAL EXTRAS HOT WATER CYLINDER PRICELIST 2016

We supply a range of optional extras specifically selected for our hot water cylinders to enhance and simplify installation.

### ELECTRIC IMMERSIONS - STAINLESS STEEL

Warranty: 2 Years



**Description:** IP65 rated electric immersion, stainless steel construction c/w thermostat & high limit stat.  
Note: It is recommended to keep 100mm additional length on immersion for clearance to cylinder wall.



Description	Supply Voltage	Length (mm)	Connection	Weight	IP Rating	Max Operating	Code	Euro
1.5kW Immersion	230V	320	1 1/2"	1.5kg	65	90°C	REM1	€ 189
2.0kW Immersion	230V	320	1 1/2"	1.5kg	65	90°C	REM2	€ 193
3.0kW Immersion	230V	320	1 1/2"	1.5kg	65	90°C	REM3	€ 196
3.0kW Immersion	400V	300	1 1/2"	2.0kg	65	90°C	RET3	€ 255
4.0kW Immersion	400V	450	1 1/2"	2.5kg	65	90°C	RET4	€ 275
6.0kW Immersion	400V	600	1 1/2"	3.0kg	65	90°C	RET6	€ 296
7.0kW Immersion	400V	700	1 1/2"	3.5kg	65	90°C	RET7	€ 307
9.0kW Immersion	400V	700	1 1/2"	3.5kg	65	90°C	RET9	€ 329
12.0kW Immersion	400V	850	1 1/2"	4.0kg	65	90°C	RET12	€ 356
15.0kW Immersion	400V	850	1 1/2"	5.0kg	65	90°C	RET15	€ 394

### ELECTRIC ANODES FOR CYLINDERS (INCREASES LIFE SPAN)

**Description:** Permanent electric anodes for use in hot water cylinders. These anodes require a socket electrical supply, but do not erode over time as with standard sacrificial anodes therefore reducing costs and maintenance requirements.

Description	Supply Voltage	Length (mm)	BSP Connection	Code	Euro
< 1000 Litre Cylinder Anode	230V	350	1/2"	AE1	€ 158
> 1000 Litre Cylinder Anode	230V	350	1/2"	AE2	€ 184



### SENSOR POCKETS

**Description:** Pockets to house sensors for commercial cylinders.  
Single pockets are enamelled, double packets are nickel copper coated.

Description	Material	Length (mm)	BSP Connection	Code	Euro
200mm Single Pocket	Enamelled	200	1/2"	ZZZ0000670	€ 13
300mm Single Pocket	Enamelled	300	1/2"	ZZZ0000690	€ 14
400mm Single Pocket	Enamelled	400	1/2"	ZZZ0000695	€ 16
500mm Double Pocket	Nickel Cu	500 / 300	1/2"	ZZZ0000700	€ 33
980mm Double Pocket	Nickel Cu	980 / 550	1/2"	ZZZ0000720	€ 36
1230mm Double Pocket	Nickel Cu	1230 / 550	1/2"	ZZZ0000740	€ 42



### UNVENTED KITS FOR COMMERCIAL CYLINDERS

Description	For Cylinder	Pressure Reducing Valve	Pressure Relief Valve	Expansion Vessel	T&P Valve	Max Operating	Code	Euro
Size 1 Unvented Kit	600 Litre	1"	3/4"	60 Litres	3/4"	6 Bar / 95°C	UVK600	€ 565
Size 2 Unvented Kit	800 - 1000 Litre	1 1/2"	1 1/4" - 1"	100 Litres	1"	6 Bar / 95°C	UVK1000	€ 895
Size 3 Unvented Kit	1500 Litre	1 1/2"	1 1/4" - 1"	150 Litres	1"	6 Bar / 95°C	UVK1500	€ 1,345
Size 4 Unvented Kit	2000 Litre	1 1/2"	1 1/4" - 1"	200 Litres	1 1/2"	6 Bar / 95°C	UVK2000	€ 1,450

CONTENTS OF UNVENTED KIT: Expansion vessel, pressure reducing valve, pressure relief valve, strainer, temperature & pressure safety valve & sensor pocket.

Operating range's of all valves are for standard operating conditions, special temperatures, pressures or sizes must be ordered separately at extra cost.

Contents of the unvented kit are sized for the cylinder volume only - it is the installer's responsibility to ensure expansion vessel is adequate for total system volume.

Items other than those listed are not included, contents & specifications are subject to change without notice by supplier.

Carriage Extra

V.A.T Extra

# Industrial & Bespoke Storage Buffers Pricelist 2016

## (Stainless Steel - Mild Steel)

The Nova industrial bespoke range are for use in special industrial or process systems with a wide variety of applications. The Nova industrial series are for applications requiring specific volumes, dimensions, connections or ratings and can be supplied up to 80,000 litre volume capacity. These specialised units can be clad and rated for external use allowing them to be placed outdoors for ease of installation. Application: The industrial bespoke units are insulated with mineral wool insulation finish externally in embossed aluminium. The units can be ordered as vertical or horizontal standing models.

### Nova Industrial & Bespoke Storage Buffers (80,000 Litre Max)



Description	Height (mm)	Diameter (mm)	Connections	Sensor Connections	Drain & Vent	Max Operating	Code	Euro
8,000 Litre Direct	3600	2000	8 x 4"	4 x 1/2"	2 x 1 1/4"	6 Bar / 95°C	PS8000A	TBA
10,000 Litre Direct	4400	2000	8 x 4"	4 x 1/2"	2 x 1 1/4"	6 Bar / 95°C	PA10000A	TBA
15,000 Litre Direct	5300	2200	8 x 4"	4 x 1/2"	2 x 1 1/4"	6 Bar / 95°C	PA15000A	TBA
20,000 Litre Direct	4650	2700	8 x 4"	4 x 1/2"	2 x 1 1/4"	6 Bar / 95°C	PS20000A	TBA
25,000 Litre Direct	5700	2700	8 x 4"	4 x 1/2"	2 x 1 1/4"	6 Bar / 95°C	PS25000A	TBA
30,000 Litre Direct	6700	2700	8 x 4"	4 x 1/2"	2 x 1 1/4"	6 Bar / 95°C	PS30000A	TBA
40,000 Litre Direct	7600	2900	8 x 4"	4 x 1/2"	2 x 1 1/4"	6 Bar / 95°C	PS40000A	TBA
50,000 Litre Direct	9200	2900	8 x 4"	4 x 1/2"	2 x 1 1/4"	6 Bar / 95°C	PS50000A	TBA
80,000 Litre Direct	TBA	TBA	8 x 4"	4 x 1/2"	2 x 1 1/4"	6 Bar / 95°C	PS80000A	TBA



Carriage Extra

V.A.T Extra

