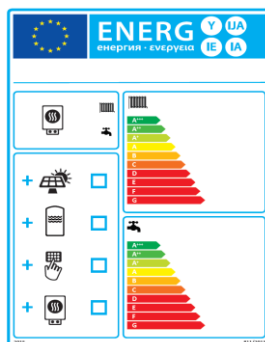




ORIGEN COMPLETE PRICELIST **2016**



ErP Compliant Product Range



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SANTRY
DUBLIN 9
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SOUTH RING WEST BUS. PARK
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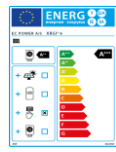
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Micro Combined Heat & Power (Modulating) - Price List 2016

6kW Micro Combined Heat & Power Station



Description

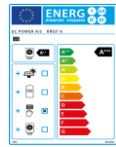
XRGI 6 Micro Combined Heat & Power Unit
Modulating Electrical & Heating Output
2.5kWe - 6kWe Electrical Output
8kWth - 13.5kWth Heating Output
Electrical Efficiency Up To 30.6%
Heating Efficiency Up To 68.5%
Overall Efficiency Up To 98.9%

Code
XRGI6

Euro
POA



9kW Micro Combined Heat & Power Station



Description

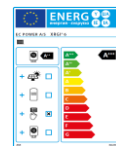
XRGI 9 Micro Combined Heat & Power Unit
Modulating Electrical & Heating Output
4kWe - 9kWe Electrical Output
12kWth - 21.3kWth Heating Output
Electrical Efficiency Up To 30.6%
Heating Efficiency Up To 72.7%
Overall Efficiency Up To 103.3%

Code
XRGI9

Euro
POA



15kW Micro Combined Heat & Power Station



Description

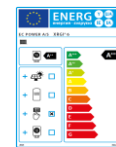
XRGI 15 Micro Combined Heat & Power Unit
Modulating Electrical & Heating Output
6kWe - 15kWe Electrical Output
17kWth - 33kWth Heating Output
Electrical Efficiency Up To 30.5%
Heating Efficiency Up To 66.9%
Overall Efficiency Up To 97.7%

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.

Commissioning Extra

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Email: energy@origen.ie
Web: www.origen.ie





ROBUR GAS FIRED HEAT PUMP HIGH TEMPERATURE (K18)

|  | <u>DESCRIPTION</u> | <u>Code</u> | <u>Price/ Each</u> |
|---|---|-------------|--------------------|
|  | 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.) | QNTVO14 | € 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)

|  | <u>DESCRIPTION</u> | <u>Code</u> | <u>Price/Each</u> |
|---|--|-------------|-------------------|
|  | 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)

|  | <u>DESCRIPTION</u> | <u>Code</u> | <u>Price/Each</u> |
|--|--|-------------|-------------------|
|  | 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)

|  | <u>DESCRIPTION</u> | <u>Code</u> | <u>Price/Each</u> |
|---|---|-------------|-------------------|
|  | 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)

|  | <u>DESCRIPTION</u> | <u>Code</u> | <u>Price/Each</u> |
|---|--|-------------|-------------------|
|  | 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)

|  | <u>DESCRIPTION</u> | <u>Code</u> | <u>Price/Each</u> |
|---|---|-------------|-------------------|
|  | 73kW NAT. GAS / LPG FIRED ABSORPTION HEAT PUMP & BOILER, COMBINED (65°C HEATING & 80°C HOT WATER) <i>SIMULTANIOUS HEATING & HOT WATER @ DIFFERENT TEMPERATURES VIA 4 PIPE CONNECTION</i> | 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 |

Commissioning Extra

Carriage Extra

Vat Extra

| ROBUR OUTDOOR COMBINED REVERSIBLE AIR SOURCE HEAT PUMP & BOILER PACKAGE FOR HEATING & COOLING (ARAY) | | | | |
|---|--|--|--|---|
|  | DESCRIPTION 72kW NAT. GAS / LPG FIRED ABSORPTION HEAT PUMP & BOILER, COMBINED (60°C HEATING & 3°C COOLING) SIMULTANEOUS HEATING / HOT WATER AND COOLING VIA 4 PIPE CONNECTION DIRECT DIGITAL CONTROL PANEL FOR ARAY TEMPERATURE PROBE FOR DDC PANEL HIGH EFFICIENCY HIGH HEAT CIRCULATING PUMP FOR GAHP | Code FR4000011A OCRM019 ONTV014 OPMP008 | Price/Each € 19,450 € 940 € 35 € 850 | |
| | ROBUR OUTDOOR GAS FIRED CHILLER FOR COOLING (ACF) | | | |
| |  | DESCRIPTION 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) DIRECT DIGITAL CONTROL PANEL FOR ACF TEMPERATURE PROBE FOR DDC PANEL HIGH EFFICIENCY HIGH HEAT CIRCULATING PUMP FOR GAHP | Code FM100011A FM100012A OCRM007 OSND007 OPMP008 | Price/Each € 9,225 € 10,350 € 480 € 35 € 850 |
| | | ROBUR OUTDOOR GAS FIRED CHILLER FOR COOLING & HOT WATER (ACF-HR) | | |
|  | | DESCRIPTION 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) DIRECT DIGITAL CONTROL PANEL FOR ACF-HR TEMPERATURE PROBE FOR DDC PANEL HIGH EFFICIENCY HIGH HEAT CIRCULATING PUMP FOR GAHP | Code FD100011A FD100012A OCRM007 OSND007 OPMP008 | Price/Each € 10,050 € 11,200 € 480 € 35 € 850 |
| | | ROBUR OUTDOOR GAS FIRED PREFABRICATED SKIDS FOR HEATING & COOLING | | |
| |  | DESCRIPTION FULL RANGE OF BESPOKE CASCADE SYSTEMS CAN BE PREFABRICATED TO ORDER PROVIDING HEATING, HOT WATER & COOLING FROM A FACTORY APPROVED SYSTEM | Code TBC | Price/Each POA |
| | |  | | |
| ACCESSORIES FOR ROBUR OUTDOOR GAS FIRED RANGE | | | | |
|  | DESCRIPTION COMFORT CONTROL INTERFACE PANEL (CCI) RB100 PLANT CONTROL INTERFACE FOR HOT WATER WITH ROBUR UNITS ONLY RB100 PLANT CONTROL INTERFACE FOR AHAY UNIT CONTROLLING HOT WATER RB200 PLANT CONTROL INTERFACE FOR 3RD PARTY / EXTERNAL PLANT CAN BUS CABLE FOR CASCADE CONNECTION IMMERSION TEMPERATURE PROBE VIBRATION DAMPERS FOR SINGLE GAHP UNIT | Code OCRM012 ODSP014 ODSP026 ODSP020 OCVO008 OSND004 ONTV012 | Price/Each € 525 € 480 € 600 € 785 €7 / METRE € 13 € 165 | |

Commissioning Extra

Carriage Extra

Vat Extra

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District Heating - Heat Interface Units Price List 2016

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



| Description | Code | Euro |
|---|------|------|
| 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 <i>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.</i> | VVX | POA |

Direct Heating - Instant DHW HIU - VMTDF Range



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

Indirect Heating - Seperate DHW HIU - VX Range



| Description | Code | Euro |
|---|------|------|
| Danfoss VX Single Plate Heat Interface Unit Stored DHW Via Separate Cylinder Located In Dwelling. Fully Isolated Apartment Heating - Rating Up To 50kW <i>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.</i> | VX | POA |

Accessories



| Description | Code | Euro |
|---|---------|------|
| Danfoss TP7001M Timeclock & Thermostat | TP7001M | POA |
| Danfoss MBUS Cold Water Meter For HIU | CoronaE | POA |
| Danfoss Dual Zone Control Pack For HIU <i>(Apartments > 100 sq m)</i> | D2ZCP | POA |
| Danfoss Automatic Meter Reading System | AMR | POA |
| Danfoss FJV Anti Dead Leg Valve | FJV | POA |
| Danfoss Return Temperature Limiter | FJVR | POA |

District Heating - Heat Interface Units Price List 2016

Indirect Heating - Internal DHW Storage HIU - FS Range



| Description | Code | Euro |
|---|-------|------|
| Evinox Modustat Indirect Storage Heat Interface Unit | FS80 | POA |
| Internal DHW - 80 to 400 Litres Storage Capacity | FS150 | POA |
| Fully Isolated Apartment Heating - Rating 65kW | FS200 | POA |
| <i>c/w Apartment Leak Detection System, heating pump,</i> | FS300 | POA |
| <i>heating expansion vessel, heating safety relief valve,</i> | FS400 | POA |
| <i>non return valve, insulated plate heat exchanger,</i> | | |
| <i>pressure indepdent control & balancing valve.</i> | | |

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



| Description | Code | Euro |
|---|----------|------|
| Evinox Modustat Dual Plate Heat Interface Unit | MTP40-10 | POA |
| Instant DHW - Rating Up to 36 L/Min @ 80°C Primary. | MTP50-10 | POA |
| Fully Isolated Apartment Heating - Rating 7kW | MTP55-10 | POA |
| <i>c/w Apartment Leak Detection System, heating pump,</i> | MTP60-10 | POA |
| <i>heating expansion vessel, heating safety relief valve,</i> | | |
| <i>non return valve, two insulated plate heat exchangers,</i> | | |
| <i>two pressure indepdent control & balancing valves.</i> | | |

Direct Heating - Instant DHW HIU - MSP DH Range



| Description | Code | Euro |
|--|-----------|------|
| Evinox Modustat Single Plate Heat Interface Unit | SPDH40-10 | POA |
| Instant DHW - Rating 25 L/Min @ 85°C Primary. | SPDH50-10 | POA |
| <i>Direct Apartment Heating - no segregation,</i> | SPDH60-10 | POA |
| <i>c/w heat meter & DHW control valve.</i> | | |
| <i>(Control & balancing valves by others.)</i> | | |

Indirect Heating - Indirect Seperate DHW HIU - MSP DC Range



| Description | Code | Euro |
|---|--------|------|
| Evinox Modustat Single Plate Heat Interface Unit | SPDC10 | POA |
| DHW via separate indiect cylinder control via 3 port, | SPDC20 | POA |
| <i>Indirect Heating - complete segregation,</i> | SPDC30 | POA |
| <i>c/w heat meter & DHW control valve.</i> | SPDC40 | POA |
| <i>(Control & balancing valves by others.)</i> | SPDC50 | POA |

Accessories



| Description | Code | Euro |
|-----------------------------------|----------|------|
| Evinox View Smart Room Controller | ZN1RU-TP | POA |
| Evinox Acumen Room Controller | ACU-010 | 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++

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++

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

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 Web: www.origen.ie

Alpha innoTec Heat Pump Pricelist 2016



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



| Description | ErP Rating | Code | Euro |
|---|------------|----------|--------|
| 12 kW heat pump, 55°C flow, integrated: immersion heater, Class A pumps. (55°C) | A++ | SWC 120S | €7,800 |
| 15 kW heat pump, 55°C flow, integrated: immersion heater, Class A pumps. (55°C) | A++ | SWC 140S | €8,500 |
| Solar Controller LUX2.0. Controller for solar, boilers, swimming pool etc | | LUX2COM | €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 | ErP Rating | Code | Euro |
|--|------------|-----------|--------|
| 6.8kW heat pump, 70°C flow, high temperature, anti corrosion model. (70°C) | SEE COMBO | LWD 50ASX | €6,460 |
| 9.3kW heat pump, 70°C flow, high temperature, anti corrosion model. (70°C) | SEE COMBO | LWD 70ASX | €6,875 |

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

| | | | |
|--|-----|--------|------|
| 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.

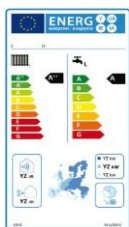
Air To Water Outdoor Heat Pump (Single Phase / 230V) Up To 60°C



| Description | ErP Rating | Code | Euro |
|--|------------|-----------|--------|
| 9.8kW heat pump, 58°C flow, integrated immersion heater, anti-corrosion. (58°C) | SEE COMBO | LW 81ASX | €6,170 |
| 12.1kW heat pump, 58°C flow, integrated immersion heater, anti-corrosion. (58°C) | SEE COMBO | LW 121ASX | €8,500 |
| LW Heat Pump Wall Mounted LUX2 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 (Single Phase / 230V) Up To 60°C



| Description | ErP Rating | Code | Euro |
|---|------------|------------------|---------|
| LW81ASX & LUX2.0 Controller Combination - ErP Energy Label Rated | A+ | LW81ASXLUX2 | €6,895 |
| LW121ASX & LUX2.0 Controller Combination - ErP Energy Label Rated | A+ | LW121ASXLUX2 | €9,225 |
| LWD50ASX & HMD1SE Combination - ErP Energy Label Rated | A++ | LWD50ASXHMD1SE | €8,280 |
| LWD70ASX & HMD1SE Combination - ErP Energy Label Rated | A+ | LWD70ASXHMD1SE | €8,695 |
| LWD50ASX & LWD50ASX & HMD2SE Combination - ErP Energy Label Rated | A++ | LWD5050ASXHMD2SE | €14,795 |
| LWD50ASX & LWD70ASX & HMD2SE Combination - ErP Energy Label Rated | A+ | LWD5070ASXHMD2SE | €15,210 |
| LWD70ASX & LWD70ASX & HMD2SE Combination - ErP Energy Label Rated | A+ | LWD7070ASXHMD2SE | €15,625 |

iPhone & Internet Control Included.

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



| Description | ErP Rating | Code | Euro |
|--|------------|----------|--------|
| 4.7kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C) | A++ | SWC42H3 | €5,900 |
| 6kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C) | A++ | SWC62H3 | €6,000 |
| 7.7kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C) | A++ | SWC82H3 | €6,800 |
| 9.5kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C) | A++ | SWC102H3 | €7,300 |
| 12.2kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C) | A++ | SWC122H3 | €7,700 |
| 13.5kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C) | A++ | SWC142H3 | €8,100 |
| 16.6kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C) | A++ | SWC172H3 | €8,600 |
| 18.6kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C) | A++ | SWC192H3 | €8,900 |
| Solar Controller LUX2.1 Contoller for solar, boilers, swimming pool etc | | LUX21EP | €170 |
| Central Remote Control Pad for LUX2.1, LWD & LWHAV Contoller | A++ / A+++ | RBE | €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 | ErP Rating | Code | Euro |
|---|------------|---------|--------|
| 4.7kW heat pump, integrated class brine A pump - low level compact model. (65°C) | A++ | SW42H3 | €5,300 |
| 6 kW heat pump, integrated class brine A pump - low level compact model. (65°C) | A++ | SW62H3 | €5,400 |
| 7.7kW heat pump, integrated class brine A pump - low level compact model. (65°C) | A++ | SW82H3 | €6,100 |
| 9.5kW heat pump, integrated class brine A pump - low level compact model. (65°C) | A++ | SW102H3 | €6,500 |
| 12.2kW heat pump, integrated class brine A pump - low level compact model. (65°C) | A++ | SW122H3 | €6,900 |
| 13.5kW heat pump, integrated class brine A pump - low level compact model. (65°C) | A++ | SW142H3 | €7,300 |
| 16.6kW heat pump, integrated class brine A pump - low level compact model. (65°C) | A++ | SW172H3 | €7,700 |
| 18.6kW heat pump, integrated class brine A pump - low level compact model. (65°C) | A++ | SW192H3 | €8,000 |
| Solar Controller LUX2.1 Contoller for solar, boilers, swimming pool etc | | LUX21EP | €170 |
| Central Remote Control Pad for LUX2.1, LWD & LWHAV Contoller | A++ / A+++ | RBE | €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 | ErP Rating | Code | Euro |
|---|------------|-----------|--------|
| 17 kW heat pump, integrated class A pumps, safety valve & motorised valve. (65°C) | A++ | SWCV162H3 | €8,800 |
| Solar Controller LUX2.1 Contoller for solar, boilers, swimming pool etc | | LUX21EP | €170 |
| Central Remote Control Pad for LUX2.1, LWD & LWHAV Contoller | A+++ | RBE | €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 Commercial (Three Phase / 400V) Standard Temperature Up To 55°C



| Description | ErP Rating | Code | Euro |
|---|------------|---------|---------|
| 22.5 kW heat pump brine water, integrated: immersion heater & hydraulics (55°C) | A++ | SWC 230 | €10,900 |
| 32 kW heat pump brine water, integrated: hydraulics (55°C) | A++ | SWC 330 | €14,000 |
| Solar Controller LUX2.0. Contoller for solar, boilers, swimming pool etc | | LUX2COM | €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 | ErP Rating | Code | Euro |
|--|------------|----------|---------|
| 37kW Commercial Compact Heat Pump, Single Stage c/w LUX 2. Contoller. (65°C) | A++ | SWP 371 | €14,300 |
| 45kW Commercial Compact Heat Pump, Single Stage c/w LUX 2. Contoller. (65°C) | A++ | SWP 451 | €15,000 |
| 57kW Commercial Compact Heat Pump, Single Stage c/w LUX 2. Contoller. (65°C) | A++ | SWP 581 | €17,300 |
| 68kW Commercial Compact Heat Pump, Single Stage c/w LUX 2. Contoller. (65°C) | A++ | SWP 691 | €18,700 |
| 27kW Commercial Compact Heat Pump, Single Stage c/w LUX 2. Contoller. (70°C) | A++ | SWP 291H | €13,000 |
| 54kW Commercial Compact Heat Pump, Single Stage c/w LUX 2. Contoller. (70°C) | A++ | SWP 561H | €19,500 |
| Solar Controller LUX2.0. Contoller for solar, boilers, swimming pool etc | | LUX2COM | €170 |

iPhone & Internet Control Included.

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



| Description | ErP Rating | Code | Euro |
|--|------------|-----------|---------|
| 70kW Commercial High Output Heat Pump, Two Stage c/w LUX 2 Contoller (70°C) | A++ | SWP 700H | €27,500 |
| 88kW Commercial High Output Heat Pump, Two Stage c/w LUX 2 Contoller (70°C) | > 70kW | SWP 850H | €29,000 |
| 100kW Commercial High Output Heat Pump, Two Stage c/w LUX 2 Contoller (70°C) | > 70kW | SWP 1000H | €30,500 |
| 107kW Commercial High Output Heat Pump, Two Stage c/w LUX 2 Contoller (55°C) | > 70kW | SWP 1100 | €28,700 |
| 125kW Commercial High Output Heat Pump, Two Stage c/w LUX 2 Contoller (55°C) | > 70kW | SWP 1250 | €32,500 |
| 161kW Commercial High Output Heat Pump, Two Stage c/w LUX 2 Contoller (55°C) | > 70kW | SWP 1600 | €35,600 |
| Solar Controller LUX2.0. Contoller for solar, boilers, swimming pool etc | | LUX2COM | €170 |

iPhone & Internet Control Included.

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



| Description | ErP Rating | Code | Euro |
|--|------------|---------|--------|
| 7.1kW heat pump, 70°C flow, high temperature model. (70°C) | SEE COMBO | LWD 50A | €6,500 |
| 8.5kW heat pump, 70°C flow, high temperature model. (70°C) | SEE COMBO | LWD 70A | €6,900 |
| 10.1kW heat pump, 70°C flow, high temperature model. (70°C) | SEE COMBO | LWD 90A | €7,100 |
| LWD wall mounted controller (Indoor) 400V | SEE COMBO | HMD 1E | €1,900 |
| <i>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.</i> | | | |
| 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

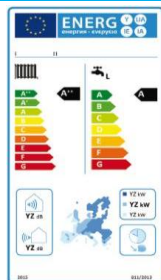


| Description | ErP Rating | Code | Euro |
|---|------------|---------|---------|
| 8.1 kW heat pump AW outside , integrated: immersion heater. (60°C) | SEE COMBO | LW 71A | €5,800 |
| 9.4 kW heat pump AW outside , integrated: immersion heater. (60°C) | SEE COMBO | LW 81A | €7,300 |
| 10.3 kW heat pump AW outside , integrated: immersion heater. (60°C) | SEE COMBO | LW 101A | €9,700 |
| 12.8 kW heat pump AW outside , integrated: immersion heater. (60°C) | SEE COMBO | LW 121A | €10,300 |
| 14.4 kW heat pump AW outside , integrated: immersion heater. (60°C) | SEE COMBO | LW 140A | €12,100 |
| 19.6 kW heat pump AW outside , integrated: immersion heater. (60°C) | SEE COMBO | LW 180A | €13,400 |
| 27.3 kW heat pump AW outside , integrated: immersion heater. (60°C) | SEE COMBO | LW 251A | €17,100 |
| 35 kW heat pump AW outside. (60°C) | SEE COMBO | LW 310A | €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 | ErP Rating | Code | Euro |
|---|------------|---------------|---------|
| LW71A & LUX2.0 Controller Combination - ErP Energy Label Rated | A+ | LW71ALUX2 | €6,525 |
| LW81A & LUX2.0 Controller Combination - ErP Energy Label Rated | A+ | LW81ALUX2 | €8,025 |
| LW101A & LUX2.0 Controller Combination - ErP Energy Label Rated | A++ | LW101ALUX2 | €10,425 |
| LW121A & LUX2.0 Controller Combination - ErP Energy Label Rated | A++ | LW121ALUX2 | €11,025 |
| LW140A & LUX2.0 Controller Combination - ErP Energy Label Rated | A++ | LW140ALUX2 | €12,825 |
| LW180A & LUX2.0 Controller Combination - ErP Energy Label Rated | A++ | LW180ALUX2 | €14,125 |
| LW251A & LUX2.0 Controller Combination - ErP Energy Label Rated | A++ | LW251ALUX2 | €17,825 |
| LW310A & LUX2.0 Controller Combination - ErP Energy Label Rated | A++ | LW310ALUX2 | €18,425 |
| LW160HAV & LUX2.1 Controller Combination - ErP Energy Label Rated | A++ | LW160HAVLUX21 | €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 | ErP Rating | Code | Euro |
|---|------------|----------|---------|
| 16.1KW heat pump AW outside , integrated immersion & circulation pump. (65°C) | A++ | LW160HAV | €13,200 |
| Wall controller for LW160H only Range | | LUX21 | €800 |
| Solar Controller LUX2.1 Contoller for solar, boilers, swimming pool etc | | LUX21EP | €170 |
| Central Remote Control Pad for LUX2.1, LWD & LWHAV Contoller | A+++ | RBE | €170 |

iPhone & Internet Control Included.

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



| Description | Code | Euro |
|---|--------|--------|
| 2kW DHW Booster Heat Pump Internally Wall Mounted Unit 230V. (70°C) | WWB20 | €2,600 |
| Primary side flow setter, thermal actuator, ball valves and fittings. | IPBP | €215 |
| Secondary side safety valve, expansion vessel, non-return valve, flow setter, flushing valve, ball valves and fittings. | IPBS | €215 |
| Pair of stainless steel flexi connection hoses. | IPB202 | €105 |
| Strainer | IPBSF | €20 |

iPhone & Internet Control Included.

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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 200m² 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 560m² 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 630m² 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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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 | KSLUXRBE | €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 |
|--|---------|-------|------|



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

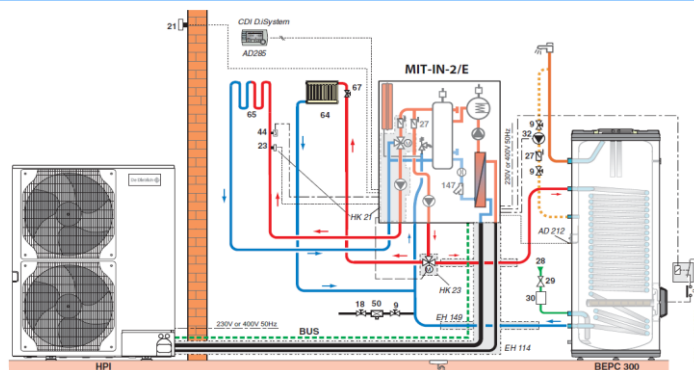
AIR SOURCE HEAT PUMP - THREE PHASE (400V) HEATING & COOLING 55°C

|  | DESCRIPTION | Code | ErP | Price/Each |
|---|---|-------------------|----------------------|----------------------|
| | 24KW DIEMATIC CONTROL EM MODEL HEAT PUMP C/W 12KW ELECTRICAL BACKUP 24KW HYBRID H MODEL HEAT PUMP C/W BOILER CONNECTIONS | 27HPIET 27HPIH | A++ A++ | € 12,900 € 12,100 |
| 19KW DIEMATIC CONTROL EM MODEL HEAT PUMP C/W 12KW ELECTRICAL BACKUP 19KW HYBRID H MODEL HEAT PUMP C/W BOILER CONNECTIONS | 22HPIET 22HPIH | A++ A++ | € 11,750 € 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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Panasonic Monoblock Inverter Air Source Heat Pump Pricelist 2016

High Efficiency C.O.P. Up To 4.84 & High Temperature 65°C Flow


AQUAREA TCAP MONO-BLOC RANGE - TOTAL CAPACITY

AIR SOURCE HEAT PUMP - SINGLE PHASE (230V), HEATING 55°C

| | | | |
|--|--|-------------|-------------------|
|  | DESCRIPTION | Code | Price/Each |
| | 12KW AQUAREA TCAP MONO AIR SOURCE HEAT PUMP, C.O.P. = 4.74, MAX FLOW 55°C, HEATING | WHMXC12G6E5 | € 5,558 |
| | 9KW AQUAREA TCAP MONO AIR SOURCE HEAT PUMP, C.O.P. = 4.74, MAX FLOW 55°C, HEATING | WHMXC09G3E5 | € 4,447 |
| <p style="color: red;">Includes: Controller, 10 Litre heating expansion vessel, pressure gauge, electric backup, pressure relief valve & heating circulation pump.</p> | | | |

AQUAREA HT MONO-BLOC RANGE - HIGH TEMPERATURE


AIR SOURCE HEAT PUMP - SINGLE PHASE (230V) HEATING 65°C

| | | | |
|--|---|-------------|-------------------|
|  | DESCRIPTION | Code | Price/Each |
| | 12KW AQUAREA HT MONO AIR SOURCE HEAT PUMP, C.O.P. = 4.46, MAX FLOW 65°C | WHMHF12G6E5 | € 5,729 |
| | 9KW AQUAREA HT MONO AIR SOURCE HEAT PUMP, C.O.P. = 4.64, MAX FLOW 65°C | WHMHF09G3E5 | € 4,583 |
| <p style="color: red;">Includes: Controller, 10 Litre heating expansion vessel, pressure gauge, electric backup, pressure relief valve & heating circulation pump.</p> | | | |

COMBINED HEAT PUMP CYLINDER / BUFFERS

| | | | |
|--|--|-------------|-------------------|
| | DESCRIPTION | Code | Price/Each |
| | 200 Litre Heat Pump Rated Stainless Steel DHW Cylinder & 90 Litre Heating Buffer | ESM2090HB | € 2,000 |
| | 250 Litre Heat Pump Rated Stainless Steel DHW Cylinder & 90 Litre Heating Buffer | ESM2590HB | € 2,290 |
| | 300 Litre Heat Pump Rated Stainless Steel DHW Cylinder & 90 Litre Heating Buffer | ESM3090HB | € 2,580 |
| | Unvented Kit For DHW Cylinder | UVK19 | € 156 |

ACCESSORIES FOR HEAT PUMP'S


| | | | |
|---|--|-------------|-------------------|
|  | DESCRIPTION | Code | Price/Each |
| | Sensor For Hot Water Cylinder - 6m Cable Length | FSW | € 25 |
| | Pocket For Hot Water Cylinder 1/2", 200mm Long & Enamelled | ZZZ0000690 | € 13 |
| | 3 Port Motorised Diverting Valve Heating - DHW 1" | USV100 | € 120 |
| | 3 Port Motorised Diverting Valve Heating - DHW 1 1/4" | USV125 | € 275 |
| | Commissioning of Panasonic Heat Pump | COMMORIG | € 400 |

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

| | <u>DESCRIPTION</u> | <u>Code</u> | <u>ErP</u> | <u>Price/Each</u> |
|---|---|-------------|------------|-------------------|
|  | 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

| | <u>DESCRIPTION</u> | <u>Code</u> | | <u>Price/Each</u> |
|--|--|-------------|--|-------------------|
|  <p data-bbox="279 683 343 716">EH 208</p> <p data-bbox="327 739 343 817" style="writing-mode: vertical-rl; transform: rotate(180deg);">TWH_Q0010</p>  <p data-bbox="279 851 343 884">EH 209</p> <p data-bbox="327 907 343 974" style="writing-mode: vertical-rl; transform: rotate(180deg);">TWH_Q0011</p>  <p data-bbox="159 1019 223 1041">EH 275</p> <p data-bbox="207 1164 223 1220" style="writing-mode: vertical-rl; transform: rotate(180deg);">TWH_Q0024</p>  <p data-bbox="279 1019 343 1041">EH 277</p> <p data-bbox="327 1176 343 1220" style="writing-mode: vertical-rl; transform: rotate(180deg);">TWH_Q0019</p> | 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 |

Lockable access cover, individual loop isolation, flow meters, 1/2" fill & drain valve, regulating valves for each individual loop.

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 |

Lockable manhole c/w access cover, individual loop ball valves, flow meters, 1" fill & drain valve, electrofusion connections, water tight, max 200kg load.

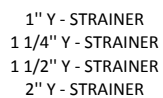
GEOTHERMAL ANTI-FREEZE

20 LITRE CONCENTRATED DRUM

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

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

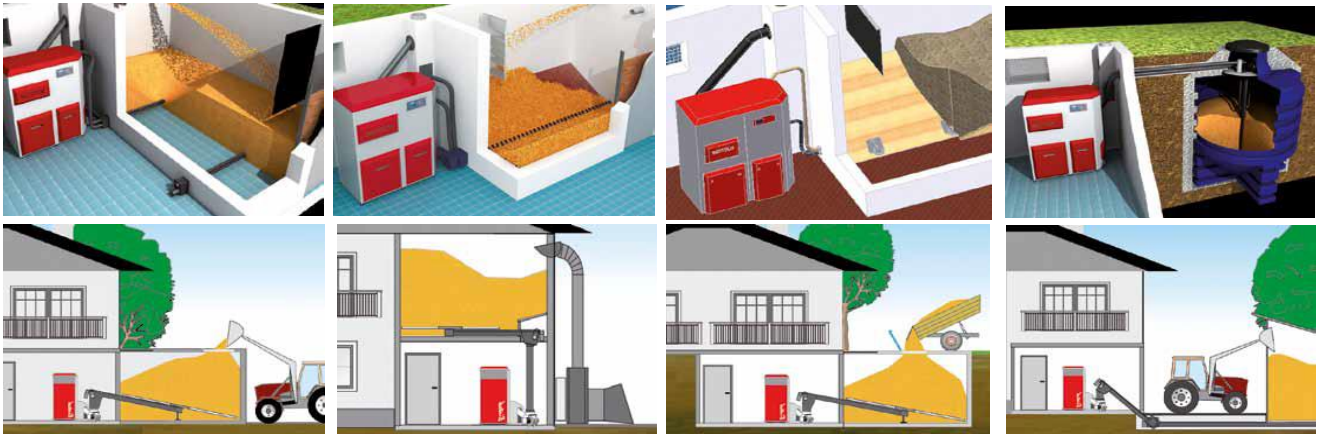
|  | DESCRIPTION 25kW BIOTECH LAMBDA WOOD GASIFICATION BOILER FOR LOG'S (12 - 25kW) C/W TOUCH SCREEN CONTROL 34kW BIOTECH LAMBDA WOOD GASIFICATION BOILER FOR LOG'S (17 - 34kW) C/W TOUCH SCREEN CONTROL 45kW BIOTECH LAMBDA WOOD GASIFICATION BOILER FOR LOG'S (22 - 45kW) C/W TOUCH SCREEN CONTROL BACKEND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

BIOTECH BIOMASS DOMESTIC / COMMERCIAL BOILER FOR WOOD PELLETS

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

BIOTECH BIOMASS DOMESTIC / COMMERCIAL BOILER FOR WOOD CHIP

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






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.

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 LTH 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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Vat Extra
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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 | Pack Price € |
|---------------------------------------|--------------|
| 2 Panel On Roof Slate Complete System | €2,665 |
| 2 Panel On Roof Tile Complete System | €2,735 |
| 2 Panel In Roof Complete System | €3,075 |
| 2 Panel A Frame Complete System | €2,975 |

3 Panel Complete Systems

Made in Germany



| Description | Pack Price € |
|---------------------------------------|--------------|
| 3 Panel On Roof Slate Complete System | €3,470 |
| 3 Panel On Roof Tile Complete System | €3,570 |
| 3 Panel In Roof Complete System | €4,055 |
| 3 Panel A Frame Complete System | €3,860 |

4 Panel Complete Systems

Made in Germany



| Description | Pack Price € |
|---------------------------------------|--------------|
| 4 Panel On Roof Slate Complete System | €4,395 |
| 4 Panel On Roof Tile Complete System | €4,500 |
| 4 Panel In Roof Complete System | €5,120 |
| 4 Panel A Frame Complete System | €4,835 |

5 Panel Complete Systems

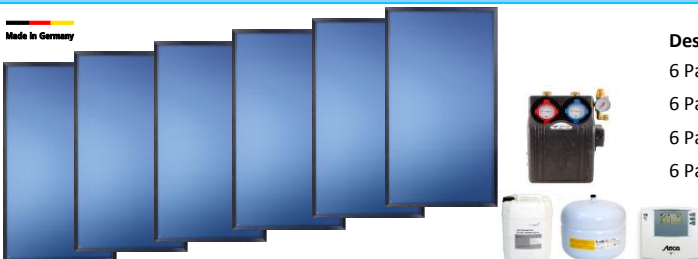
Made in Germany



| Description | Pack Price € |
|---------------------------------------|--------------|
| 5 Panel On Roof Slate Complete System | €5,250 |
| 5 Panel On Roof Tile Complete System | €5,360 |
| 5 Panel In Roof Complete System | €6,120 |
| 5 Panel A Frame Complete System | €5,750 |

6 Panel Complete Systems

Made in Germany



| Description | Pack Price € |
|---------------------------------------|--------------|
| 6 Panel On Roof Slate Complete System | €6,100 |
| 6 Panel On Roof Tile Complete System | €6,200 |
| 6 Panel In Roof Complete System | €7,100 |
| 6 Panel A Frame Complete System | €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

| TZ58HP: 2m² System Pack Excluding Cylinder | |
|---|--|
|  | 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 ORIGIN 24L EXPANSION VESSEL HIGH TEMPERATURE 1 €53.81 €53.81 |
| | 765245022 ORIGIN HEAT TRANSFER FLUID 20L DRUM 1 €85.50 €85.50 |
| SUB TOTAL €2,417.68 | |
| TZ58HP: 3m² System Pack Excluding Cylinder | |
|  | 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 ORIGIN 24L EXPANSION VESSEL HIGH TEMPERATURE 1 €53.81 €53.81 |
| | 765245022 ORIGIN HEAT TRANSFER FLUID 20L DRUM 1 €85.50 €85.50 |
| SUB TOTAL €2,864.28 | |
| TZ58HP: 4m² System Pack Excluding Cylinder | |
|  | 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 ORIGIN 24L EXPANSION VESSEL HIGH TEMPERATURE 1 €53.81 €53.81 |
| | 765245022 ORIGIN HEAT TRANSFER FLUID 20L DRUM 1 €85.50 €85.50 |
| SUB TOTAL €3,723.49 | |


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

| HP400: 2m² System Pack Excluding Cylinder | | | | | |
|--|-------------------------|------------------------------------|---|---------|------------------|
|  | KSK0284 | TMX HP400-2m ² 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 |
| | <u>SUB TOTAL</u> | | | | €3,786.76 |

| HP400: 3m² System Pack Excluding Cylinder | | | | | |
|---|-------------------------|------------------------------------|---|---------|------------------|
|  | KSK0285 | TMX HP400-3m ² 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 |
| | <u>SUB TOTAL</u> | | | | €4,776.86 |

| HP400: 4m² System Pack Excluding Cylinder | | | | | |
|--|---------|------------------------------------|---|------------------|-----------|
|  | KSK0284 | TMX HP400-2m ² 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 |
| <u>SUB TOTAL</u> | | | | €6,371.24 | |

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Kingspan (Thermomax) Solar Tube Pack Price List Valid 2016

| HP400: 5m² System Pack Excluding Cylinder | | | | | |
|--|------------------|------------------------------------|---|---------|-----------|
|  | KSK0284 | TMX HP400-2m ² MANIFOLD | 1 | €556.43 | €556.43 |
| | KSK0285 | TMX HP400-3m ² 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 |
| | SUB TOTAL | | | | |

| HP400: 6m² System Pack Excluding Cylinder | | | | | | |
|---|------------------|------------------------------------|---|---------|-----------|------------------|
|  | KSK0285 | TMX HP400-3m ² 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 | |
| | SUB TOTAL | | | | | €8,364.22 |

| HP400: 4m² System Pack East / West Excluding Cylinder | | | | | | |
|--|------------------|------------------------------------|---|-----------|-----------|------------------|
|  | KSK0284 | TMX HP400-2m ² 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 | |
| | SUB TOTAL | | | | | €6,939.44 |

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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 |
|  | 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 |
|  | 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***** | | | |
|  | Origen <u>DN16mm</u> Pipe Mounting Brackets (Pack of 4) | 795000003 | €11 |
| | Origen <u>DN20mm</u> Pipe Mounting Brackets (Pack of 4) | 795000004 | €13 |
|  | 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 0.75²

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_{40°C} = 0.037 W/mK, at 0 °C, λ_{0°C} = 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
Web: www.origen.ie

Carriage Extra

South Ring West Business Ph, Tramore Road, Cork
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Email: energy@origen.ie
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Vat Extra

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

| |
|--------|
| TF150D |
| TF180D |
| TF210D |
| TF250D |
| TF300D |
| TF400D |
| TF500D |

Euro

| |
|--------|
| €569 |
| €605 |
| €630 |
| €710 |
| €720 |
| €1,060 |
| €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

| |
|--------|
| TF150i |
| TF180i |
| TF210i |
| TF250i |
| TF300i |
| TF400i |
| TF500i |

Euro

| |
|--------|
| €605 |
| €649 |
| €655 |
| €735 |
| €745 |
| €1,165 |
| €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

| |
|--------|
| TF210S |
| TF250S |
| TF300S |
| TF400S |
| TF500S |

Euro

| |
|--------|
| €825 |
| €860 |
| €870 |
| €1,395 |
| €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

| |
|---------|
| TF210TC |
| TF250TC |
| TF300TC |
| TF400TC |
| TF500TC |

Euro

| |
|--------|
| €986 |
| €1,035 |
| €1,069 |
| €1,595 |
| €1,680 |

Unvented Kits



Description

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

Code

| |
|----------|
| TF300KIT |
| TF500KIT |

Euro

| |
|------|
| €140 |
| €235 |

Commissioning Extra

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Carriage Extra

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Email: energy@origen.ie

Vat Extra

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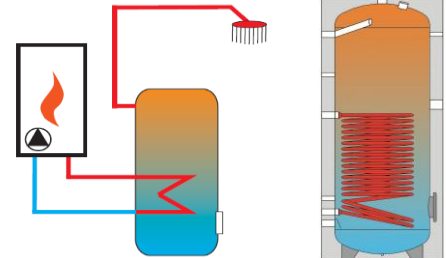
Single Coil & Dual Coil Hot Water Cylinder Pricelist 2016 (Enamelled)

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

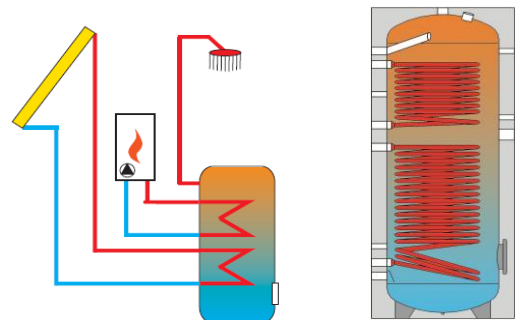


| Description | Height (mm) | Diameter (mm) | Coil Connections | Sensor Connections | Coil Rating | Max Operating | Code | Euro |
|------------------------|------------------------------|---------------|-------------------------------|--------------------|----------------------------|---------------|---------|---------|
| 800 Litre Single Coil | 1855 | 990 | 2 x 1 1/4" | 3 x 1/2" | 2.7 m ² / 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 ² / 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 ² / 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 ² / 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 ² & 2.7 m ² | 10 Bar / 95°C | EP800S | € 2,030 |
| 1000 Litre Dual Coil | 2205 | 990 | 4 x 1 1/4" | 3 x 1/2" | 1.6m ² & 3 m ² | 10 Bar / 95°C | EP1000S | € 2,265 |
| 1500 Litre Dual Coil | 2185 | 1200 | 4 x 1 1/4" | 3 x 1/2" | 1.8m ² & 3.4 m ² | 8 Bar / 95°C | EP1500S | € 3,707 |
| 2000 Litre Dual Coil | 2470 | 1300 | 4 x 1 1/4" | 3 x 1/2" | 2.8m ² & 4.6 m ² | 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

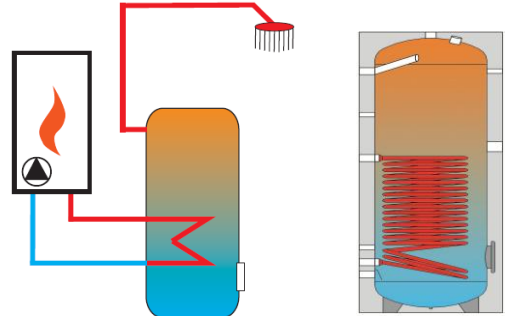
Single Coil & Dual Coil Hot Water Cylinder Pricelist 2016 (AISI 316L Stainless Steel)

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

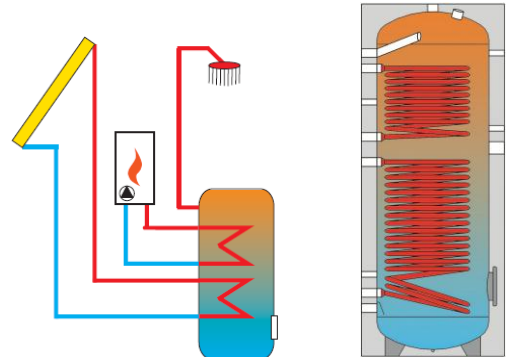


| Description | Height (mm) | Diameter (mm) | Coil Connections | Sensor Connections | Coil Surface Area | Max Operating | Code | Euro |
|------------------------|------------------------------|---------------|-------------------------------|--------------------|----------------------------|---------------|----------|---------|
| 800 Litre Single Coil | 1855 | 990 | 2 x 1 1/4" | 3 x 1/2" | 2.0 m ² / 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 ² / 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 ² / 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 ² / 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 ² & 2.0 m ² | 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 ² & 2.4 m ² | 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 ² & 3.4 m ² | 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 ² & 4.6 m ² | 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

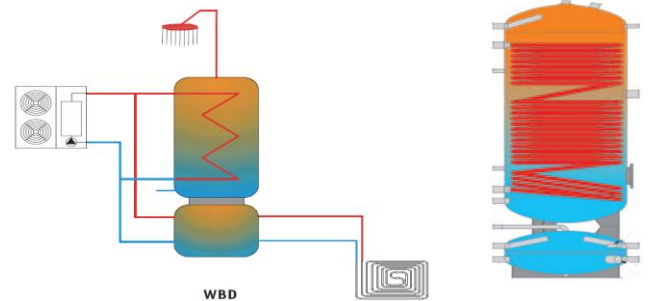
Combined Heat Pump Heating Buffer & Hot Water Cylinder Pricelist 2016 (Enamelled)

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 ² | C | WBD300S | € 2,200 |
| 450/74 Litre Single Coil | 2040 | 790 | 2 x 1 1/4" | 3 x 1/2" | 4.4 m ² | 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"

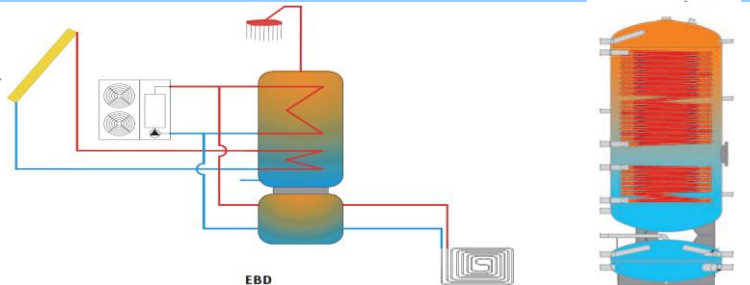
Weight: 150 - 200kg

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 ² / 0.9 m ² | C | EBD300S | € 2,375 |
| 460/74 Litre Single Coil | 2040 | 790 | 4 x 1" | 4 x 1/2" | 5.9 m ² / 1.5 m ² | 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)

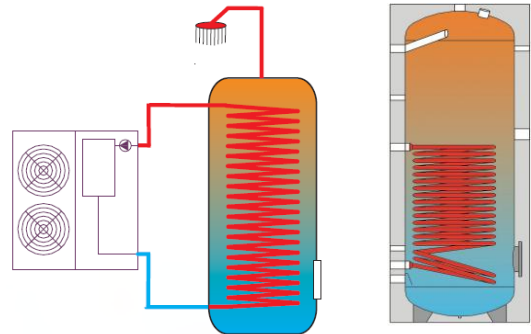
The Nova single coil & dual coil heat pump range are for use in LTHW heating systems with heat pumps, solar systems, low temperature sources or standard boilers. The Nova enamelled series are for applications requiring a single or dual coil hot water storage and come in capacities ranging from 200 to 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

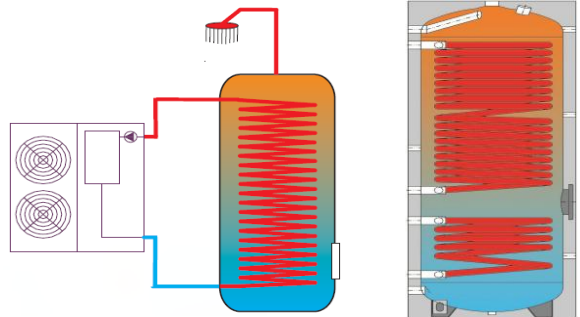


| Description | Height (mm) | Diameter (mm) | Coil Connections | Sensor Connections | Coil Surface Area | ErP Rating | Code | Euro |
|------------------------|------------------------------|---------------|-------------------------------|--------------------|------------------------------|-------------|----------|---------|
| 200 Litre Single Coil | 1215 | 600 | 2 x 1" | 2 x 1/2" | 3.0 m ² / 72kW | C | WWM200S | € 1,601 |
| 300 Litre Single Coil | 1615 | 600 | 2 x 1" | 2 x 1/2" | 4.0 m ² / 96kW | C | WWM300S | € 1,790 |
| 400 Litre Single Coil | 1460 | 750 | 2 x 1 1/4" | 2 x 1/2" | 5.0 m ² / 130kW | D | WWM400S | € 1,981 |
| 500 Litre Single Coil | 1690 | 750 | 2 x 1 1/4" | 2 x 1/2" | 6.0 m ² / 156kW | D | WWM500S | € 2,183 |
| 800 Litre Single Coil | 1845 | 990 | 2 x 1 1/4" | 3 x 1/2" | 7.0 m ² / 189kW | > 500 LITRE | WWM800S | € 2,727 |
| 1000 Litre Single Coil | 2205 | 990 | 2 x 1 1/4" | 3 x 1/2" | 8.0 m ² / 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 ² / 1.2 m ² | C | EPM300S | € 2,101 |
| 500 Litre Dual Coil | 1690 | 740 | 4 x 1" | 3 x 1/2" | 5.2 m ² / 1.8 m ² | D | EPM500S | € 2,485 |
| 800 Litre Dual Coil | 1845 | 990 | 4 x 1 1/4" | 3 x 1/2" | 5.2 m ² / 2.4 m ² | > 500 LITRE | EPM800S | € 3,216 |
| 1000 Litre Dual Coil | 2205 | 990 | 4 x 1 1/4" | 3 x 1/2" | 6.0 m ² / 3.7 m ² | > 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

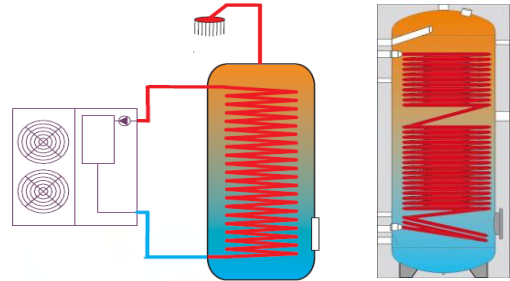
Heat Pump / Rapid Recovery Single - Triple Coil Cylinder Pricelist 2016 (AISI 316L Stainless Steel)

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

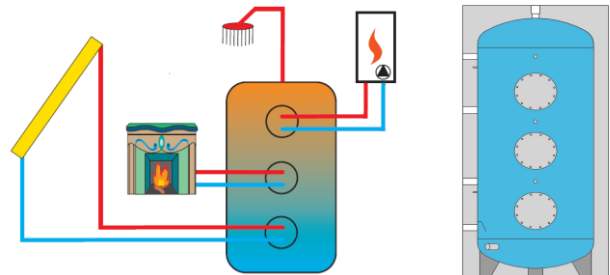


| Description | Height (mm) | Diameter (mm) | Coil Connections | Sensor Connections | Coil Surface Area | ErP Rating | Code | Euro |
|------------------------|------------------------------|---------------|------------------|-------------------------------|------------------------------|-------------|-----------|---------|
| 200 Litre Single Coil | 1215 | 600 | 2 x 1" | 2 x 1/2" | 2.3 m ² / 38kW | C | XWWM200S | € 2,126 |
| 300 Litre Single Coil | 1615 | 600 | 2 x 1" | 2 x 1/2" | 3.1 m ² / 72kW | C | XWWM300S | € 2,395 |
| 400 Litre Single Coil | 1460 | 750 | 2 x 1 1/4" | 2 x 1/2" | 3.3 m ² / 76kW | D | XWWM400S | € 2,653 |
| 500 Litre Single Coil | 1690 | 750 | 2 x 1 1/4" | 2 x 1/2" | 3.8 m ² / 85kW | D | XWWM500S | € 2,835 |
| 800 Litre Single Coil | 1845 | 990 | 2 x 1 1/4" | 3 x 1/2" | 4.6 m ² / 116kW | > 500 LITRE | XWWM800S | € 3,822 |
| 1000 Litre Single Coil | 2080 | 990 | 2 x 1 1/4" | 3 x 1/2" | 5.3 m ² / 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 ² / 48kW | C | XVS1200S | € 1,506 |
| 300 Litre Single Coil | 1680 | 600 | SR0 COIL ONLY | 3 x 1/2" | 1.6 m ² / 48kW | C | XVS1300S | € 1,799 |
| 500 Litre Single Coil | 1755 | 750 | SR0 & SR1A ONLY | 3 x 1/2" | 2.42 m ² / 72kW | D | XVS1500S | € 2,205 |
| 800 Litre Single Coil | 1855 | 990 | SR0 & SR1A ONLY | 3 x 1/2" | 2.42 m ² / 72kW | > 500 LITRE | XVS1800S | € 2,744 |
| 1000 Litre Single Coil | 2095 | 990 | SR0 & SR1A ONLY | 3 x 1/2" | 2.42 m ² / 72kW | > 500 LITRE | XVS11000S | € 3,188 |
| 200 Litre Triple Coil | 1280 | 600 | SR0 COIL ONLY | 3 x 1/2" | 2.4 m ² / 72kW | C | XVS3200S | € 1,861 |
| 300 Litre Triple Coil | 1680 | 600 | SR0 COIL ONLY | 3 x 1/2" | 2.4 m ² / 72kW | C | XVS3300S | € 2,106 |
| 500 Litre Triple Coil | 1755 | 750 | SR0 & SR1A ONLY | 3 x 1/2" | 3.63 m ² / 108kW | D | XVS3500S | € 2,513 |
| 800 Litre Triple Coil | 1855 | 990 | SR0 & SR1A ONLY | 3 x 1/2" | 3.63 m ² / 108kW | > 500 LITRE | XVS3800S | € 3,070 |
| 1000 Litre Triple Coil | 2095 | 990 | SR0 & SR1A ONLY | 3 x 1/2" | 3.63 m ² / 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 ² / 24kW | 6 Bar / 95°C | SR0 | € 247 |
| 36kW XVS Coil | 500 - 1000 Litre | DN100 | 3/4" | 550 | 1.21 m ² / 36kW | 6 Bar / 95°C | SR1A | € 267 |

Carriage Extra

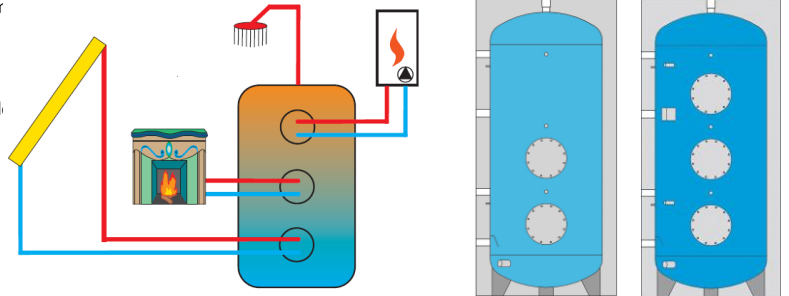
V.A.T Extra

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 & Triple 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 m ² / 72kW | C | VS1200S | € 1,116 |
| 300 Litre Single Coil | 1680 | 700 | Max 1 Coils Available | 3 x 1/2" | 2.4 m ² / 72kW | C | VS1300S | € 1,234 |
| 500 Litre Single Coil | 1755 | 850 | Max 1 Coils Available | 3 x 1/2" | 3.6 m ² / 86kW | D | VS1500S | € 1,419 |
| 800 Litre Single Coil | 1855 | 990 | Max 1 Coils Available | 3 x 1/2" | 6.4 m ² / 150kW | > 500 LITRE | VS1800S | € 1,616 |
| 1000 Litre Single Coil | 2205 | 990 | Max 1 Coils Available | 3 x 1/2" | 6.4 m ² / 150kW | > 500 LITRE | VS11000S | € 1,894 |
| 1500 Litre Single Coil | 2155 | 1200 | Max 1 Coils Available | 3 x 1/2" | 9.1 m ² / 216kW | > 500 LITRE | VS11500S | € 3,365 |
| 2000 Litre Single Coil | 2470 | 1300 | Max 1 Coils Available | 3 x 1/2" | 12.7 m ² / 300kW | > 500 LITRE | VS12000S | € 3,909 |
| 2500 Litre Single Coil | 2280 | 1450 | Max 1 Coils Available | 3 x 1/2" | 12.7 m ² / 300kW | > 500 LITRE | VS12500S | € 4,672 |
| 3000 Litre Single Coil | 2680 | 1450 | Max 1 Coils Available | 3 x 1/2" | 12.7 m ² / 300kW | > 500 LITRE | VS13000S | € 5,817 |
| 800 Litre Triple Coil | 1855 | 990 | Max 3 Coils Available | 3 x 1/2" | 9.6 m ² / 225kW | > 500 LITRE | VS3800S | € 1,886 |
| 1000 Litre Triple Coil | 2205 | 990 | Max 3 Coils Available | 3 x 1/2" | 9.6 m ² / 225kW | > 500 LITRE | VS31000S | € 2,030 |
| 1500 Litre Triple Coil | 2155 | 1200 | Max 3 Coils Available | 3 x 1/2" | 13.6 m ² / 324kW | > 500 LITRE | VS31500S | € 3,466 |
| 2000 Litre Triple Coil | 2470 | 1300 | Max 3 Coils Available | 3 x 1/2" | 19 m ² / 450kW | > 500 LITRE | VS32000S | € 4,008 |
| 2500 Litre Triple Coil | 2280 | 1450 | Max 3 Coils Available | 3 x 1/2" | 19 m ² / 450kW | > 500 LITRE | VS32500S | € 4,762 |
| 3000 Litre Triple Coil | 2680 | 1450 | Max 3 Coils Available | 3 x 1/2" | 19 m ² / 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 m ² / 36kW | 6 Bar / 95°C | SR1B | € 266 |
| 43kW VS Coil | 500 - 3000 Litre | DN200 | 3/4" | 470 | 1.8 m ² / 43kW | 6 Bar / 95°C | SR2 | € 364 |
| 62kW VS Coil | 800 - 3000 Litre | DN200 | 3/4" | 580 | 2.63 m ² / 62kW | 6 Bar / 95°C | SR3 | € 472 |
| 75kW VS Coil | 800 - 3000 Litre | DN200 | 3/4" | 660 | 3.2 m ² / 75kW | 6 Bar / 95°C | SR4 | € 571 |
| 108kW VS Coil | 1500 - 3000 Litre | DN200 | 1" | 750 | 4.54 m ² / 108kW | 6 Bar / 95°C | SR5 | € 839 |
| 150kW VS Coil | 2000 - 3000 Litre | DN200 | 1" | 980 | 6.34 m ² / 150kW | 6 Bar / 95°C | SR6 | € 1,107 |

Carriage Extra

V.A.T Extra

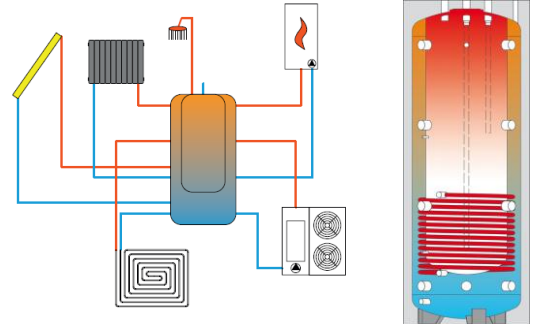
6Tank In Tank Heating Buffer & Hot Water Cylinder Pricelist 2016 (Enamelled)

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 m ² / 29kW | C | MBS300 | € 1,472 |
| 228/222 Litre Single Coil | 1885 | 700 | 2 x 3/4" | 3 x 1/2" | 1.6 m ² / 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

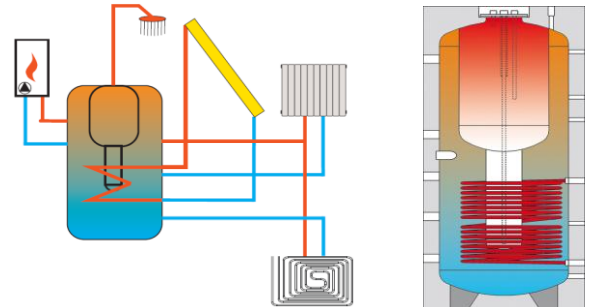
NOTE: MB & MBS Units Require Item: AE1 Permanent Electrical Anode @ €146 Each.

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 m ² / 97kW | 3 Bar / 95°C | BSF2S600S | € 1,980 |
| 205 / 544 Litre Dual Coil | 2045 | 950 | 4 x 1" | 4 x 1/2" | 4.2 m ² / 104kW | 3 Bar / 95°C | BSF2S750S | € 2,294 |
| 220 / 610 Litre Dual Coil | 2050 | 990 | 4 x 1" | 4 x 1/2" | 5.0 m ² / 121kW | 3 Bar / 95°C | BSF2S1000S | € 2,516 |
| 330 / 1065 Litre Dual Coil | 2150 | 1200 | 4 x 1" | 4 x 1/2" | 5.3 m ² / 136kW | 3 Bar / 95°C | BSF2S1500S | € 3,301 |
| 420 / 1595 Litre Dual Coil | 2495 | 1300 | 4 x 1" | 4 x 1/2" | 6.8 m ² / 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

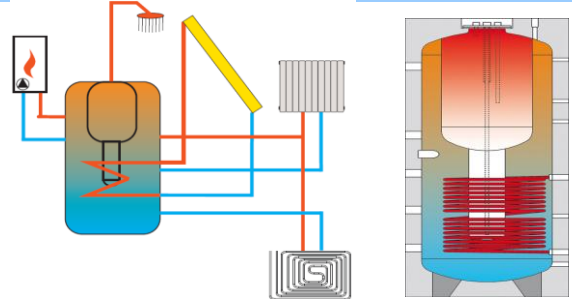
Tank In Tank Heating Buffer & Hot Water Cylinder Pricelist 2016 (AISI 316L Stainless Steel)

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)

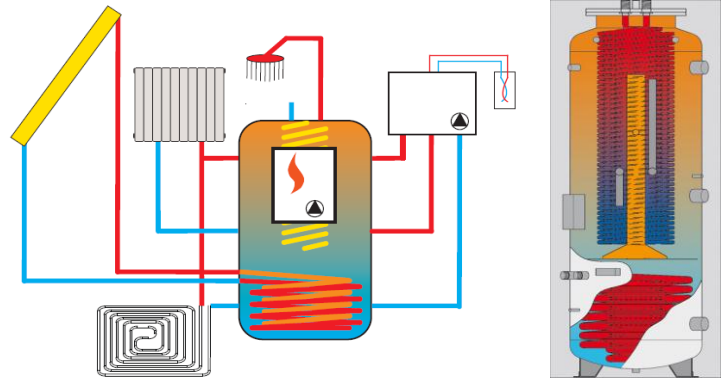
The Total Tank TT range are for use LTHW heating systems with heat pumps, solar systems, low temperature sources, solid fuel systems or standard boilers. The Total Tank series are for applications requiring a rapid recovery in capacities ranging from 300 to 1500 Litres as standard. Multiple units can 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 m ² / 34kW | C | TT300S | € 1,298 |
| 500 Litre Single Coil | 1680 | 750 | 2 x 1" | 3 x 1/2" | 1.8 m ² / 44kW | D | TT500S | € 1,441 |
| 600 Litre Single Coil | 1940 | 850 | 2 x 1" | 3 x 1/2" | 2.2 m ² / 55kW | > 500 LITRE | TT600S | € 1,846 |
| 800 Litre Single Coil | 1800 | 990 | 2 x 1" | 3 x 1/2" | 3.0 m ² / 75kW | > 500 LITRE | TT800S | € 1,949 |
| 1000 Litre Single Coil | 2050 | 990 | 2 x 1" | 3 x 1/2" | 3.0 m ² / 78kW | > 500 LITRE | TT1000S | € 2,108 |
| 1500 Litre Single Coil | 2165 | 1200 | 2 x 1" | 3 x 1/2" | 4.0 m ² / 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 m ² / 60kW | 6 Bar / 95°C | SST3 | € 519 |
| 33 Litres / Min Coil | 300 - 500 Litre | 2 x 3/4" | Copper Finned | 80°C | 4.0 m ² / 80kW | 6 Bar / 95°C | SST4 | € 647 |
| 41 Litres / Min Coil | 300 - 500 Litre | 2 x 3/4" | Copper Finned | 80°C | 5.0 m ² / 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 m ² / 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 m ² / 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 m ² / 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 m ² / 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 m ² / 146kW | 6 Bar / 95°C | SAX8 | € 1,366 |

Carriage Extra

V.A.T Extra

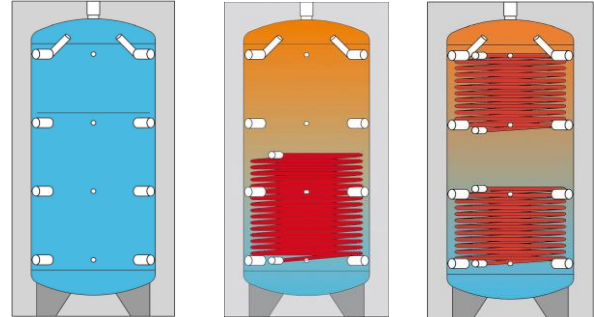
HEATING BUFFER TANK PRICE LIST 2016

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 m ² / 43kW | C | PSR300S | € 1,097 |
| 500 Litre Single Coil | 1775 | 850 | 2 x 1" | 4 x 1/2" | 1.8 m ² / 45kW | D | PSR500S | € 1,223 |
| 800 Litre Single Coil | 1800 | 990 | 2 x 1" | 4 x 1/2" | 2.6 m ² / 65kW | > 500 LITRE | PSR800S | € 1,420 |
| 1000 Litre Single Coil | 2190 | 990 | 2 x 1" | 4 x 1/2" | 2.6 m ² / 68kW | > 500 LITRE | PSR1000S | € 1,550 |
| 1250 Litre Single Coil | 2095 | 1100 | 2 x 1" | 4 x 1/2" | 3.8 m ² / 95kW | > 500 LITRE | PSR1250S | € 1,785 |
| 1500 Litre Single Coil | 2165 | 1200 | 2 x 1" | 4 x 1/2" | 3.8 m ² / 99kW | > 500 LITRE | PSR1500S | € 2,231 |
| 2000 Litre Single Coil | 2480 | 1300 | 2 x 1" | 4 x 1/2" | 3.8 m ² / 103kW | > 500 LITRE | PSR2000S | € 2,652 |
| 2500 Litre Single Coil | 2220 | 1450 | 2 x 1" | 4 x 1/2" | 3.8 m ² / 107kW | > 500 LITRE | PSR2500S | € 3,263 |
| 3000 Litre Single Coil | 2720 | 1450 | 2 x 1" | 4 x 1/2" | 5.0 m ² / 130kW | > 500 LITRE | PSR3000S | € 4,187 |
| 4000 Litre Single Coil | 2645 | 1700 | 2 x 1" | 4 x 1/2" | 5.0 m ² / 135kW | > 500 LITRE | PSR4000S | € 4,767 |
| 5000 Litre Single Coil | 2870 | 1800 | 2 x 1" | 4 x 1/2" | 5.0 m ² / 140kW | > 500 LITRE | PSR5000S | € 5,301 |
| 500 Litre Dual Coil | 1775 | 850 | 4 x 1" | 4 x 1/2" | 4.0 m ² / 82kW | D | PSRR500S | € 1,349 |
| 800 Litre Dual Coil | 1800 | 990 | 4 x 1" | 4 x 1/2" | 4.5 m ² / 105kW | > 500 LITRE | PSRR800S | € 1,610 |
| 1000 Litre Dual Coil | 2190 | 990 | 4 x 1" | 4 x 1/2" | 5.0 m ² / 117kW | > 500 LITRE | PSRR1000S | € 1,813 |
| 1250 Litre Dual Coil | 2095 | 1100 | 4 x 1" | 4 x 1/2" | 5.5 m ² / 133kW | > 500 LITRE | PSRR1250S | € 2,042 |
| 1500 Litre Dual Coil | 2165 | 1200 | 4 x 1" | 4 x 1/2" | 6.5 m ² / 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.

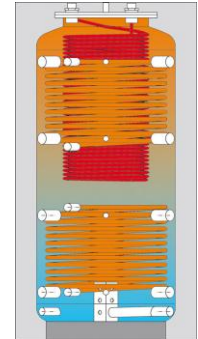
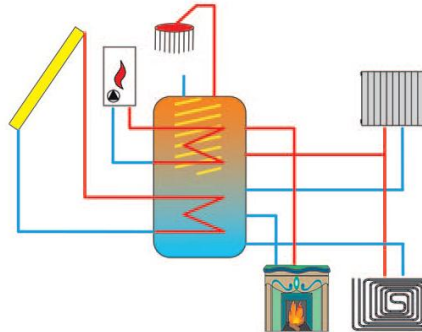
NOVA INSTANT HOT WATER TANK - FIVE HEAT SOURCES (3000 Litres Max)

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 m ² / 48kW | D | PSTR500S | € 2,400 |
| 800 Litre Single Coil | 1725 | 990 | 2 x 1" | 4 x 1/2" | 2.5 m ² / 63kW | > 500 LITRE | PSTR800S | € 2,626 |
| 1000 Litre Single Coil | 2175 | 990 | 2 x 1" | 4 x 1/2" | 3.0 m ² / 75kW | > 500 LITRE | PSTR1000S | € 2,873 |
| 1250 Litre Single Coil | 2030 | 1100 | 2 x 1" | 4 x 1/2" | 3.0 m ² / 78kW | > 500 LITRE | PSTR1250S | € 2,953 |
| 1500 Litre Single Coil | 2110 | 1200 | 2 x 1" | 4 x 1/2" | 3.5 m ² / 91kW | > 500 LITRE | PSTR1500S | € 3,514 |
| 2000 Litre Single Coil | 2445 | 1300 | 2 x 1" | 4 x 1/2" | 4.0 m ² / 104kW | > 500 LITRE | PSTR2000S | € 3,917 |
| 2500 Litre Single Coil | 2215 | 1450 | 2 x 1" | 4 x 1/2" | 4.0 m ² / 104kW | > 500 LITRE | PSTR2500S | € 4,509 |
| 3000 Litre Single Coil | 2715 | 1450 | 2 x 1" | 4 x 1/2" | 5.0 m ² / 130kW | > 500 LITRE | PSTR3000S | € 5,620 |
| 500 Litre Dual Coil | 1690 | 850 | 4 x 1" | 4 x 1/2" | 4.0 m ² / 82kW | D | PSTRR500S | € 2,553 |
| 800 Litre Dual Coil | 1725 | 990 | 4 x 1" | 4 x 1/2" | 4.5 m ² / 105kW | > 500 LITRE | PSTRR800S | € 2,787 |
| 1000 Litre Dual Coil | 2175 | 990 | 4 x 1" | 4 x 1/2" | 5.0 m ² / 117kW | > 500 LITRE | PSTRR1000S | € 3,015 |
| 1250 Litre Dual Coil | 2030 | 1100 | 4 x 1" | 4 x 1/2" | 5.5 m ² / 133kW | > 500 LITRE | PSTRR1250S | € 3,198 |
| 1500 Litre Dual Coil | 2110 | 1200 | 4 x 1" | 4 x 1/2" | 6.5 m ² / 157kW | > 500 LITRE | PSTRR1500S | € 3,735 |
| 2000 Litre Dual Coil | 2445 | 1300 | 4 x 1" | 4 x 1/2" | 7.0 m ² / 170kW | > 500 LITRE | PSTRR2000S | € 4,124 |
| 2500 Litre Dual Coil | 2215 | 1450 | 4 x 1" | 4 x 1/2" | 8.0 m ² / 208kW | > 500 LITRE | PSTRR2500S | € 4,797 |
| 3000 Litre Dual Coil | 2715 | 1450 | 4 x 1" | 4 x 1/2" | 10.0 m ² / 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 m ² / 59kW | 6 Bar / 95°C | - | Incl. |
| 800 Litre Buffer | 25 Litres / Min | 2 x 1 1/4" | 316L Stainless Steel | 80°C | 3.38 m ² / 59kW | 6 Bar / 95°C | - | Incl. |
| 1000 Litre Buffer | 30 Litres / Min | 2 x 1 1/4" | 316L Stainless Steel | 80°C | 4.27 m ² / 74kW | 6 Bar / 95°C | - | Incl. |
| 1250 Litre Buffer | 30 Litres / Min | 2 x 1 1/4" | 316L Stainless Steel | 80°C | 4.27 m ² / 74kW | 6 Bar / 95°C | - | Incl. |
| 1500 Litre Buffer | 35 Litres / Min | 2 x 1 1/4" | 316L Stainless Steel | 80°C | 4.87 m ² / 85kW | 6 Bar / 95°C | - | Incl. |
| 2000 Litre Buffer | 35 Litres / Min | 2 x 1 1/4" | 316L Stainless Steel | 80°C | 4.87 m ² / 85kW | 6 Bar / 95°C | - | Incl. |
| 2500 Litre Buffer | 35 Litres / Min | 2 x 1 1/4" | 316L Stainless Steel | 80°C | 4.87 m ² / 85kW | 6 Bar / 95°C | - | Incl. |
| 3000 Litre Buffer | 38 Litres / Min | 2 x 1 1/4" | 316L Stainless Steel | 80°C | 5.46 m ² / 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

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: 2 Years



| Description | Height (mm) | Diameter (mm) | Coil Connections | Sensor Connections | Max Coil Rating | Max Operating | Code | Euro |
|-----------------------|-------------|---------------|------------------|--------------------|---------------------------|---------------|--------|---------|
| 300 Litre Direct | 1865 | 660 | 0 | 2 x 1/2" | 0 | 10 Bar / 70°C | HPV300 | € 2,400 |
| 290 Litre Single Coil | 1865 | 660 | 2 x 1" | 2 x 1/2" | 1.5 m ² / 36kW | 10 Bar / 70°C | HPM300 | € 2,500 |
| 290 Litre Dual Coil | 1865 | 660 | 4 x 1" | 2 x 1/2" | 2.3 m ² / 52kW | 10 Bar / 70°C | HPD300 | € 2,600 |

DHW Flow Connection : 1"

Cold Feed Connection : 1"

DHW Return Connection : 1/2"

Immersion Incl. : 1.5kW

Electrical Supply: 230V

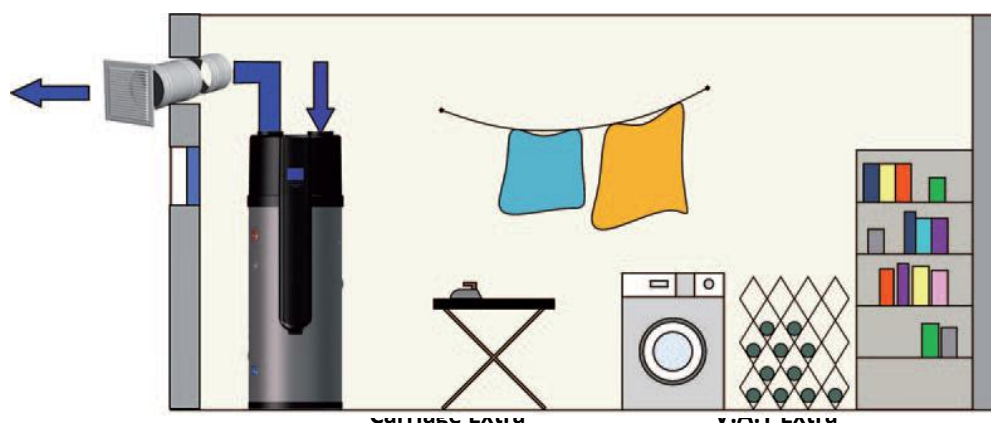
Weight: 155kg

C.O.P. = 3.25 @ DHW 45°C

HP Output = 1.94kW @ DHW 45°C

Duct: Max 10m / 160mm Diameter

NOTE: HP Units Require 1No. 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 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 | € 227 |
| 2.0kW Immersion | 230V | 320 | 1 1/2" | 1.5kg | 65 | 90°C | REM2 | € 231 |
| 3.0kW Immersion | 230V | 320 | 1 1/2" | 1.5kg | 65 | 90°C | REM3 | € 235 |
| 3.0kW Immersion | 400V | 300 | 1 1/2" | 2.0kg | 65 | 90°C | RET3 | € 306 |
| 4.0kW Immersion | 400V | 450 | 1 1/2" | 2.5kg | 65 | 90°C | RET4 | € 329 |
| 6.0kW Immersion | 400V | 600 | 1 1/2" | 3.0kg | 65 | 90°C | RET6 | € 355 |
| 7.0kW Immersion | 400V | 700 | 1 1/2" | 3.5kg | 65 | 90°C | RET7 | € 368 |
| 9.0kW Immersion | 400V | 700 | 1 1/2" | 3.5kg | 65 | 90°C | RET9 | € 394 |
| 12.0kW Immersion | 400V | 850 | 1 1/2" | 4.0kg | 65 | 90°C | RET12 | € 427 |
| 15.0kW Immersion | 400V | 850 | 1 1/2" | 5.0kg | 65 | 90°C | RET15 | € 473 |

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 | Nickeled Cu | 500 / 300 | 1/2" | ZZZ0000700 | € 33 |
| 980mm Double Pocket | Nickeled Cu | 980 / 550 | 1/2" | ZZZ0000720 | € 36 |
| 1230mm Double Pocket | Nickeled 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 insaller'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)



| <u>Description</u> | <u>Height (mm)</u> | <u>Diameter (mm)</u> | <u>Connections</u> | <u>Sensor Connections</u> | <u>Drain & Vent</u> | <u>Max Operating</u> | <u>Code</u> | <u>Euro</u> |
|---------------------|--------------------|----------------------|--------------------|---------------------------|-------------------------|----------------------|-------------|-------------|
| 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

