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| Company | | Date | | PO | | Invoice | |
| Address | | | | | | | |



| SOLAR THERMAL | | | | |
|--|--|------------|-----|--|
| Code | Description | Unit Price | Qty | |
| 1. COMPLETE COLLECTORS – 1.5m | | | | |
| AP-10-1.5-KIT | Apricus 10 Tube/1.5m Solar Thermal Collector | £624.44 | | |
| AP-18-1.5-KIT | Apricus 18 Tube/1.5m Solar Thermal Collector | £1,022.64 | | |
| AP-22-1.5-KIT | Apricus 22 Tube/1.5m Solar Thermal Collector | £1,214.54 | | |
| AP-30-1.5-KIT | Apricus 30 Tube/1.5m Solar Thermal Collector | £1,550.86 | | |
| 2. COMPLETE COLLECTORS – 1.8m | | | | |
| AP-10-1.8-KIT | Apricus 10 Tube/1.8m Solar Thermal Collector | £706.04 | | |
| AP-18-1.8-KIT | Apricus 18 Tube/1.8m Solar Thermal Collector | £1,177.24 | | |
| AP-22-1.8-KIT | Apricus 22 Tube/1.8m Solar Thermal Collector | £1,401.78 | | |
| AP-30-1.8-KIT | Apricus 30 Tube/1.8m Solar Thermal Collector | £1,803.38 | | |
| 3. THERMIX VALVE KIT | | | | |
| MUST USE HYDROFLOW IN HARD WATER AREAS FOR POWERTECH WARRANTY | | | | |
| THERMIX KIT includes (a) to (e) | <p>(a) Thermix Items</p> <ul style="list-style-type: none"> • Thermix 2-way copper valve • 15mm equal tee • drain cock • 15mm compression gate valve • 28mm compression to MI x 1" thermix to cylinder brass fitting • 22mm straight coupler <p>(b) Plumbing Items</p> <ul style="list-style-type: none"> • Pair of roof flashings • 2 x 22mm x 1/2" MI brass fittings (to connect between the inlet and outlet ports of the Apricus manifolds to the 1/2" thread of the SS flexible nuts & washers) • 2 x 2m lengths of 16mm stainless steel flexible pipe with 19mm Powerflex insulation as standard. Plus 4 nuts & washers. Other lengths made to requirement. • Powerflex insulation 19mm x 15mm (bag of 20m) • 20 pipe ties for insulated pipe runs • Mechanical all brass plate non return valve + fittings <p>(c) Pump Items</p> <ul style="list-style-type: none"> • Grundfos bronze pump (including rubber seals x 2) • 22mm pump valves x 2 • 22mm equal tee compression • 22mm elbow compression <p>(d) Electrical Items</p> <ul style="list-style-type: none"> • Switched Fuse Spur & Surface Box • 3m of 3 core round cable (for wiring pump to solar controller) • 10m of 2 core wire in black colour (to extend collector sensor of DR3 controller) <p>(e) DR3 Solar Controller + 3 Sensors</p> | £669.27 | | |

Have you remembered your HYDROFLOW?

| 4. HYDROFLOW WATER CONDITIONER | | | | |
|--|--|---|--|--|
| HS38 | <p>Hydroflow Water Conditioner</p> <p>Please note:</p> <p>In order to qualify for the Powertech/Apricus Collector Warranty, the Hydroflow Water Conditioner must be used. The exception to this is when the proposed installation has a water softener in place. This must be noted on the Warranty registration form including the make and model number.</p> <p>The Hydroflow Water Conditioner need not but is recommended to be used when a twin coil cylinder is used as this will protect the coils.</p> | £159.40 | | |
| 5. CLOSED LOOP / TWIN COIL KIT (NOTE : CYLINDER NOT INCLUDED) | | | | |
| CLOSED LOOP KIT includes (a) to (d) | <p>(a) Closed Loop Components</p> <ul style="list-style-type: none"> Grundfos Steel Pump & Valves Pressure Vessel Please select one: 12 litre <input type="checkbox"/> or 18 litre <input type="checkbox"/> Filling Loop Automatic Air Vent & Unequal Tee 3 Bar Pressure Release Valve with Gauge <p>(b) Plumbing Items</p> <ul style="list-style-type: none"> Pair of roof flashings 22mm x 1/2" MI brass fittings x 2 (to connect between the inlet and outlet ports of the Apricus manifolds to the 1/2" thread of the stainless steel flexible nuts and washers) 2 x 2m lengths of 16mm stainless steel flexible pipe with 19mm Powerflex insulation as standard (other lengths made to requirement) Powerflex insulation 19mm x 15mm (bag of 20m) 20 pipe ties for insulated pipe runs Mechanical all brass plate non return valve + fittings <p>(c) Electrical Items</p> <ul style="list-style-type: none"> Switched Fuse Spur & Surface Box 3m of 3 core round cable (for wiring pump to solar controller) 10m of 2 core wire in black colour (to extend collector sensor of DR3 controller) <p>(d) DR3 Solar Controller + 3 Sensors</p> | <p>12 litre kit £563.33</p> <p>18 litre kit £570.69</p> | | |
| 6. THERMAL STORE KIT (NOTE : THERMAL STORE NOT INCLUDED – POA) | | | | |
| THERMAL STORE KIT includes (a) to (c) but excludes thermal store itself. | <p>(a) Plumbing Items</p> <ul style="list-style-type: none"> Pair of roof flashings 2 x 22mm x 1/2" MI brass fittings (to connect between the inlet and outlet ports of the Apricus manifolds to the 1/2" thread of the SS flexible nuts & washers) 2 x 2m lengths of 16mm stainless steel flexible pipe with 19mm Powerflex insulation as standard. Plus 4 nuts & washers. Other lengths made to requirement. Powerflex insulation 19mm x 15mm (bag of 20m) 20 pipe ties for insulated pipe runs Mechanical all brass plate non return valve + fittings <p>(b) Electrical Items</p> <ul style="list-style-type: none"> Switched Fuse Spur & Surface Box 3m of 3 core round cable (for wiring pump to solar controller) 10m of 2 core wire in black colour (to extend collector sensor of DR3 controller) <p>(c) DR3 Solar Controller + 3 Sensors</p> | £378.41 | | |

| 7. COMBI KIT | | | | |
|--|---|---------|--|--|
| COMBI KIT includes (a) to (d) but excludes cylinder. | <p>(a) Plumbing Items</p> <ul style="list-style-type: none"> • Pair of roof flashings • 2 x 22mm x 1/2" MI brass fittings (to connect between the inlet and outlet ports of the Apricus manifolds to the 1/2" thread of the SS flexible nuts & washers) • 2 x 2m lengths of 16mm stainless steel flexible pipe with 19mm Powerflex insulation as standard. Plus 4 nuts & washers. Other lengths made to requirement. • Powerflex insulation 19mm x 15mm (bag of 20m) • 20 pipe ties for insulated pipe runs • Mechanical all brass plate non return valve + fittings • Steel pump + valves <p>(b) Electrical Items</p> <ul style="list-style-type: none"> • Switched Fuse Spur & Surface Box • 3m of 3 core round cable (for wiring pump to solar controller) • 10m of 2 core wire in black colour (to extend collector sensor of DR3 controller) <p>(c) DR3 Solar Controller + 3 Sensors</p> <p>(d) Combi Valve System (assembled)</p> | £934.41 | | |
| 8. SOLAR CONTROLLERS | | | | |
| DR3 | Sorel DR3 Solar Controller (comes with 2 sensors) | £170.86 | | |
| DR3-SENSORS | Extra Sensor for Sorel DR3 Solar Controller | £15.72 | | |
| 9. FLOW METERS | | | | |
| TA-FMS | Small Flow Meter (incs. 2 fittings) | £46.94 | | |
| TA-FML | Large Flow Meter (incs. 2 fittings) | £75.98 | | |
| 10. APRICUS ROOF FRAMES (HIGH ANGLE) | | | | |
| FR-10-HIGH | Apricus Flat Roof Frame AP10 (2 legs) | £121.34 | | |
| FR-18-HIGH | Apricus Flat Roof Frame AP18 (2 legs) | £127.94 | | |
| FR-22-HIGH | Apricus Flat Roof Frame AP22 (2 legs) | £194.14 | | |
| FR-30-HIGH | Apricus Flat Roof Frame AP30 (3 legs) | £194.14 | | |
| 11. APRICUS ROOF FRAMES (LOW ANGLE) | | | | |
| FR-10-LOW-RTRACK | Apricus Low Pitch Roof Frame AP10 (2 legs) | £99.26 | | |
| FR-18-LOW-RTRACK | Apricus Low Pitch Roof Frame AP18 (2 legs) | £99.26 | | |
| FR-22-LOW-RTRACK | Apricus Low Pitch Roof Frame AP22 (2 legs) | £147.80 | | |
| FR-30-LOW-RTRACK | Low Pitch Roof Frame AP30 (3 legs) | £147.80 | | |

| 12. STAINLESS STEEL PIPE & COMPONENTS | | | | |
|---------------------------------------|---|----------|--|-----------|
| SSPIPE-16mmx10 | Rolls of Stainless Steel Flexible Pipe 16mm x 10m | £52.86 | | |
| SSPIPE-20mmx10 | Rolls of Stainless Steel Flexible Pipe 20mm x 10m | £56.86 | | |
| FLANGETOOL | Flexible Pipe Flange Tool | *£95.00* | | Net price |
| SS-N&W-1/2"x20 | Bag of SS 1/2" Nuts & Fibre Washers for 16mm SS Flexible Pipe. Supplied: bags of 20 nuts and 20 washers | £14.42 | | |
| SS-N&W-3/4"x20 | Bag of SS 3/4" Nuts & Fibre Washers for 20mm SS Flexible Pipe. Supplied: bag of 20 nuts and 20 washers | £16.46 | | |
| 22mmx1/2"MIx10 | <u>Brass Fittings to connect:</u> 22mm copper pipe compression 1/2" MI SS pipe nuts In lots of 10 pieces. | £25.72 | | |
| 22mmx3/4"MIx10 | <u>Brass Fittings to connect:</u> 22mm copper pipe compression 3/4" MI SS pipe nuts In lots of 10 pieces. | £28.78 | | |
| 13. INSULATION (POWERFLEX) | | | | |
| PFLX-INSUL-1915 | 19mm x 15mm (bag of 20m in 2m lengths) | £27.60 | | |
| PFLX-INSUL-2215 | 22mm x 15mm (bag of 20m in 2m lengths) | £29.20 | | |
| PFLX-INSUL-1920 | 19mm x 20mm (bag of 20m in 2m lengths) | £32.00 | | |
| PFLX-INSUL-2220 | 22mm x 20mm (bag of 20m in 2m lengths) | £34.40 | | |
| 14. APRICUS DEMO ITEMS | | | | |
| ET-DEMO/HP-DEMO | 50cm Demo Tube and Heat Pipe | £26.96 | | |
| AP-DEMO | Apricus Demo Collector | £264.70 | | |

| 15. AIR SOURCE HEAT PUMPS (SPECS AVAILABLE) – ALL PRICES FOR HEAT PUMPS ARE NET | | | | |
|---|---|------------|-----|-----------|
| Code | Description | Unit Price | Qty | |
| PSL-LHP | Loft Heat Pump (43kg) | £1,639.04 | | Net price |
| PSL45d | Air Source Heat Pump (60kg) – power output 4.5kW | £3,051.36 | | Net price |
| PSL65d | Air Source Heat Pump (80kg) – power output 6.5kW | £3,347.76 | | Net price |
| PSL85d | Air Source Heat Pump (90kg) – power output 8.5kW | £4,304.56 | | Net price |
| PSL120d | Air Source Heat Pump (150kg) – power output 9.8kW | £8,658.00 | | Net price |
| PSL6000 | Air Source Heat Pump (87kg) – power output 6kW | £3,500.00 | | Net price |
| PSL8000 | Air Source Heat Pump (88kg) – power output 8kW | £4,500.00 | | Net price |
| KS015R | Thermaltricity Air Source Heat Pump (95kg) | £1,385.71 | | Net price |
| KS02R | Thermaltricity Air Source Heat Pump (130kg) | £1,585.71 | | Net price |

| 16. CYLINDERS / THERMAL STORES | | | | |
|--------------------------------|---|------------|-----|--|
| Code | Description | Unit Price | Qty | |
| n/a | Thermal Stores. Sizes range from 185 litres to 500 litres or bespoke sizes. | POA | | |
| V.arious | Range of cylinders from 50 litres to 950 litres. | POA | | |

| 17. PLYPIPE MULTI-LAYERED PIPE – SOLD IN 100 & 200 METRE ROLLS | | | | |
|--|---------------|-----------|-----|--|
| Code | Description | Per metre | Qty | |
| Pipe A (Cold Water) HDPE Up to 60°C | | | | |
| PPA-10-14 | Plypipe 10-14 | £1.10 | | |
| PPA-12-16 | Plypipe 12-16 | £1.15 | | |
| PPA-16-20 | Plypipe 16-20 | £1.40 | | |
| PPA-20-25 | Plypipe 20-25 | £1.93 | | |
| PPA-26-32 | Plypipe 26-32 | £2.65 | | |

| 18. PLYPIPE MULTI-LAYERED PIPE – SOLD IN 100 & 200 METRE ROLLS | | | | |
|--|---------------|-----------|-----|--|
| Code | Description | Per metre | Qty | |
| Pipe B (Hot Water) HDPE Up to 95°C | | | | |
| PPB-10-14 | Plypipe 10-14 | £1.25 | | |
| PPB-12-16 | Plypipe 12-16 | £1.33 | | |
| PPB-16-20 | Plypipe 16-20 | £1.73 | | |
| PPB-20-25 | Plypipe 20-25 | £2.40 | | |

19. PRESS FITTINGS – see separate price list

20. SCREW FITTINGS – see separate price list

| 21. SWIMMING POOL HEATING PANELS | | | | |
|----------------------------------|--|------------|-----|---------------|
| Code | Description | Unit Price | Qty | |
| OKU1000 | OKU Panel (l) 1320mm x (w) 820mm - 1.08m ² (incs. connectors) | £99.99 | | 20% disc only |
| OKU1001 | OKU Panel (l) 1280mm x (w) 820mm - 1.05m ² (incs. connectors) | £99.99 | | 20% disc only |
| OKU1002 | OKU Panel (l) 1360mm x (w) 820mm - 1.12m ² (incs. connectors) | £99.99 | | 20% disc only |
| OKUCONN | OKU Panel Connectors (2 sizes – same price) | £2.70 | | 20% disc only |

| 22. UNDERFLOOR HEATING COMPONENTS | | | | |
|-----------------------------------|-----------------------------------|------------|-----|--|
| Code | Description | Unit Price | Qty | |
| UF2PM | 2 Port Manifold | £184.00 | | |
| UF3PM | 3 Port Manifold | £222.00 | | |
| UF4PM | 4 Port Manifold | £261.00 | | |
| UF5PM | 5 Port Manifold | £294.00 | | |
| UF6PM | 6 Port Manifold | £333.00 | | |
| UF7PM | 7 Port Manifold | £398.00 | | |
| UF8PM | 8 Port Manifold | £435.00 | | |
| UF9PM | 9 Port Manifold | £467.00 | | |
| UF10PM | 10 Port Manifold | £508.00 | | |
| UF11PM | 11 Port Manifold | £557.00 | | |
| UF12PM | 12 Port Manifold | £577.00 | | |
| UF-NOA | 24v / 240v Normally Open Actuator | £38.00 | | |
| UF-CON16-2x2 | Pair Connectors 16/2 | £9.00 | | |

Powertech Solar Ltd Trade List Prices (exc. VAT & delivery)

Prices from June 2006

Version 5.4 - 19 June 2006 (replaces all previous versions)

| | | | | |
|------------------|--|--------|--|--|
| UF-MV1"CON+3CONS | Mixing Valve 1" connection plus 3 connections (2 sizes avail.) | £92.00 | | |
| UF-THERM | Thermostat | £41.00 | | |
| UF-JB | Junction Box | £45.00 | | |
| UF-PL | Pump Logic | £56.00 | | |
| UF-SC1"x22 | 1" x 22mm solder connections | £10.00 | | |
| UF-SC1"x3/4 | 1" x 3/4" connections | £10.00 | | |
| UF-CON16-20 | 16/20 – 15mm connectors | £3.00 | | |
| UF-TRACK-1m | Tracking per metre length | £3.00 | | |
| UF-HCR-100 | Holding Clips Red (per 100) | £10.00 | | |

| 23. WIND TURBINES | | | | |
|--------------------------|--|------------|-----|-----------|
| Code | Description | Unit Price | Qty | |
| | Windtech-400 Micro Turbine plus controller | £980.00 | | |
| | Windtech-600 Micro Turbine plus controller | £1,142.00 | | |
| | 1kW Turbine | £1,150.00 | | Net price |
| | Windside Turbine (for larger applications) | POA | | |
| | Inverter from 150 to 3,000 Watts | POA | | |
| | Batteries, fuses etc. | POA | | |