

SERVICE | AVAILABILITY | QUALITY | PERFORMANCE | RELIABILITY

**express**  
by William Wilson



# Express & Express Air

Unvented Cylinders Product Guide

**William Wilson**

PLUMBING • HEATING • BATHROOM • SUPPLIES

# Express

## Designed for performance and reliability

The Express sets the standard for unvented cylinders, manufactured to the highest quality in our UK factory by the best manufacturing specialists.

We use high quality duplex stainless steel enabling us to provide a 25-year warranty and supplied with market leading components to give you peace of mind for years to come. The Express provides fast flowing water to all outlets and even in high use situations it is designed to reheat quickly with its superior performance and low heat loss.

### SPECIFICATION

- > Supplied with a manufacturer's backed 25 year cylinder warranty and 2 years parts warranty.
- > Diameter is 545mm from capacities 120L to 300L.
- > Manufactured from high grade Duplex Stainless Steel.
- > Fully insulated with 50mm 100% CFC and HCFC free polyurethane to minimise heat loss.
- > Lightweight construction with high quality white casing.
- > Supplied with high quality unvented components.
- > Supplied with a mechanical cylinder stat for simple electrical installation.
- > All plumbing connections are clearly identified with their description embossed into the cylinder case.
- > 22mm compression connections complete with nuts and olives.
- > Market leading and highly efficient primary coil which reduces reheat time and saves fuel bills.
- > Long-life 3kW Incoloy immersion heater supplied as standard.
- > Supplied with all safety controls as required by UK Building Regulations.



### Express Direct Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Immersion heater(s)	ERP BAND	ERP Efficiency	ERP Profile
120 L	EXD0121	120	23	143	888	545	2	C	36	M
150 L	EXD0122	150	26	176	1075	545	2	C	36	M
170 L	EXD0123	170	30	200	1203	545	2	C	37	L
200 L	EXD0124	200	34	234	1389	545	2	C	37	L

### Express Indirect Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	ERP BAND
120 L	EXD0115	120	25	145	888	545	17.76	17	1	B
150 L	EXD0116	150	28	178	1075	545	18.25	21	1	B
170 L	EXD0117	170	32	202	1203	545	19.35	27	1	C
200 L	EXD0118	200	35	235	1389	545	19.94	31	1	C
250 L	EXD0119	250	41	391	1701	545	20.68	36	1	C
300 L	EXD0120	300	45	345	1924	545	23.57	41	1	C



## Express Twin Coil Solar Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	ERP BAND
170 L	EXD0125	170	34	204	1203	545	17.8/ 17.87	18	1	C
200 L	EXD0126	200	37	237	1389	545	18.76/ 18.48	21	1	C
250 L	EXD0127	250	45	295	1701	545	19.65/ 19.21	24	1	C
300 L	EXD0128	300	49	349	1924	545	21.24/ 20.16	27	1	C

# Express Slimline

When installation space is at a premium, we offer the same great product but with a much smaller footprint.

The Express Slimline is manufactured to the same high standards as all other Express but at 475mm diameter to fit in smaller applications or to fit through narrow cylinder cupboard doors. The Express Slimline is also supplied with a 25-year warranty and with high quality components for peace of mind.

## SPECIFICATION

- > Supplied with a manufacturer's backed 25 year cylinder warranty and 2 years parts warranty.
- > Diameter is 475mm from capacities 120L to 200L.
- > Manufactured from high grade Duplex Stainless Steel.
- > Fully insulated with 50mm 100% CFC and HCFC free polyurethane to minimise heat loss.
- > Lightweight construction with high quality white casing.
- > Supplied with high quality unvented components.
- > Supplied with a mechanical cylinder stat for simple electrical installation.
- > All plumbing connections are clearly identified with their description embossed into the cylinder case.
- > 22mm compression connections complete with nuts and olives.
- > Market leading and highly efficient primary coil which reduces reheat time and saves fuel bills.
- > Long-life 3kW Incoloy immersion heater supplied as standard.
- > Supplied with all safety controls as required by UK Building Regulations.



475<sup>mm</sup>  
WIDTH



### Express Slimline Direct Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Immersion heater(s)	ERP BAND	ERP Efficiency	ERP Profile
120L	EXD0142	120	23	143	1228	475	2	C	36	M
150L	EXD0143	150	27	177	1496	475	2	C	36	M
170L	EXD0144	170	31	201	1674	475	2	C	34	M
200L	EXD0145	200	35	235	1941	475	2	C	37	L



### Express Slimline Indirect Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	ERP BAND
120L	EXD0146	120	25	145	1228	475	18.76	19	1	B
150L	EXD0147	150	29	179	1496	475	18.82	21	1	C
170L	EXD0148	170	33	203	1674	475	19.22	24	1	C
200L	EXD0149	200	37	237	1941	475	19.36	29	1	C

# Express Horizontal

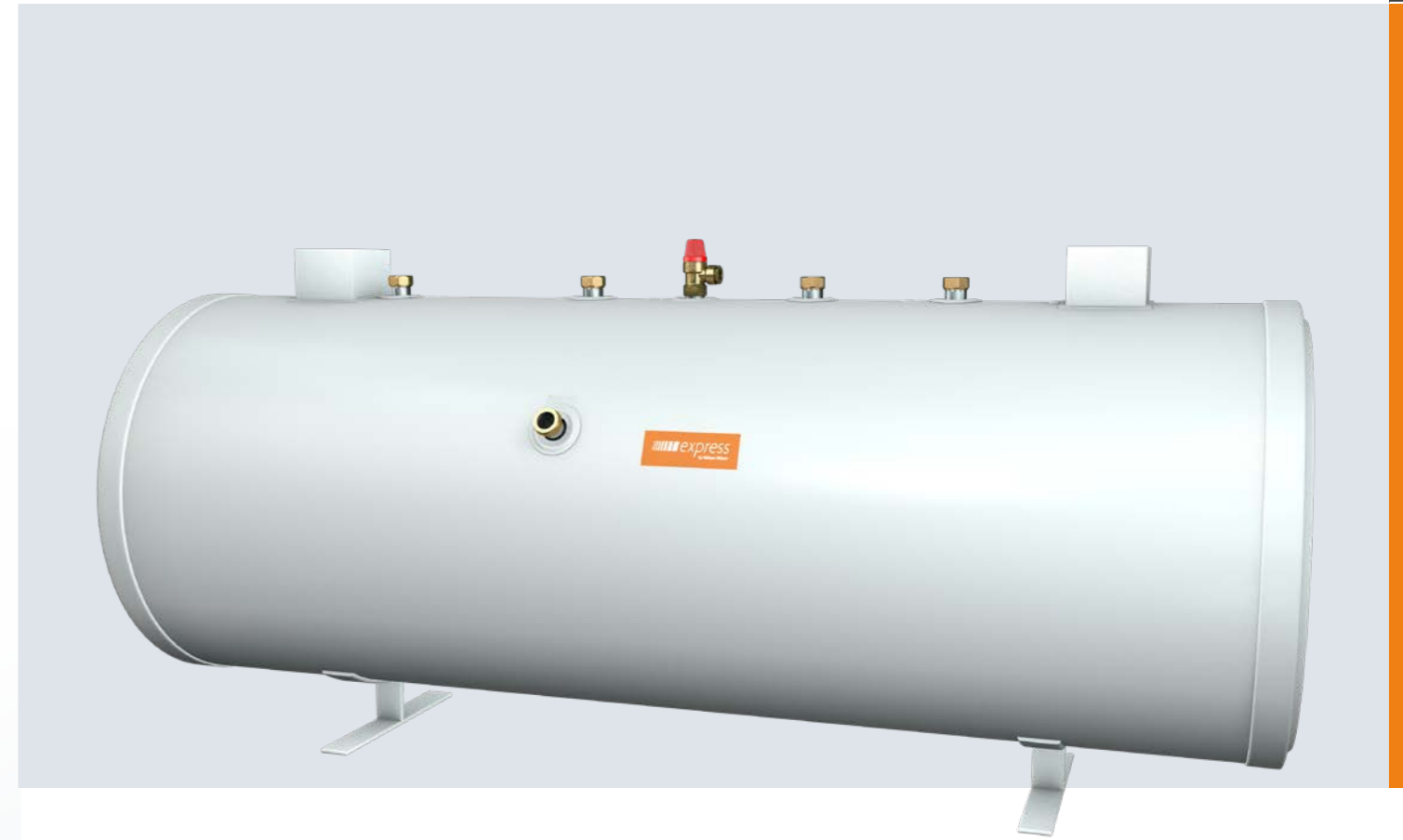
Designed with performance in mind.

The Express Horizontal is designed for use in applications where a vertical cylinder will not fit, typically in a loft space. In dwellings that require all the benefits of a mains pressure cylinder, but you have limitations on space, the Express Horizontal is the product for you.

The Express Horizontal is supplied with installation cradles, high quality components and a 25-year warranty for peace of mind.

## SPECIFICATION

- > Supplied with a manufacturer's backed 25 year cylinder warranty and 2 years parts warranty.
- > Diameter is 545mm from capacities 170L to 300L.
- > Manufactured from high grade Duplex Stainless Steel.
- > Fully insulated with 50mm 100% CFC and HCFC free polyurethane to minimise heat loss.
- > Lightweight construction with high quality white casing.
- > Supplied with high quality unvented components and mounting cradles.
- > Supplied with a mechanical cylinder stat for simple electrical installation.
- > All plumbing connections are clearly identified with their description embossed into the cylinder case.
- > 22mm compression connections complete with nuts and olives.
- > Market leading and highly efficient primary coil which reduces reheat time and saves fuel bills.
- > Long-life 3kW Incoloy immersion heater supplied as standard.
- > Supplied with all safety controls as required by UK Building Regulations.



## Express Horizontal Indirect Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	ERP BAND
170L	EXD0154	170	38	208	1203	545	18	22	2	C
200L	EXD0155	200	40	240	1389	545	19.94	25	2	C
250L	EXD0156	250	46	296	1701	545	20.68	28	2	C
300L	EXD0157	300	50	350	1924	545	23.57	32	2	C



# Express Heat Pump

Our heat pump cylinder's fantastic performance is in the large diameter corrugated coil we manufacture in-house.

The Express heat pump cylinder is designed for maximum performance. The Express is fitted and supplied with all the required components and controls (shown opposite) to provide seamless compatibility with your chosen heat pump.

## SPECIFICATION

- > Supplied with a manufacturer's backed 25 year cylinder warranty and 2 years parts warranty.
- > Diameter is 545mm from capacities 170L to 300L - larger sizes available on request.
- > Manufactured from high grade Duplex Stainless Steel.
- > Fully insulated with 50mm 100% CFC and HCFC free polyurethane to minimise heat loss.
- > Lightweight construction with high quality white casing.
- > Supplied with high quality unvented components.
- > All plumbing connections are clearly identified with their description embossed into the cylinder case.
- > Supplied with 28mm coil connections; 22mm Hot and cold water connections and 12mm sensor pocket for Heat pump controls.
- > 12mm Sensor probe pocket included for heat pump controls.
- > Market leading and highly efficient primary coil to ensure rapid exchange of heat from heat pump
- > Long-life 3kW Incoloy immersion heater supplied as standard.
- > Supplied with all safety controls as required by UK Building Regulations.



# Efficiency

## MARKET LEADING HEAT EXCHANGER

The Express heat pump cylinder is fitted with a market leading high efficiency heat exchanger (Coil) to ensure the rapid transfer of the low temperature inputs of ground & air source heat pumps.

The Express heat pump range comes complete with all the fittings you will need for a complete trouble free installation.



COLD WATER  
INLET SET



TWO PORT ZONE  
VALVE



HIGH LIMIT STAT



TUNDISH



3KW IMMERSION HEATER



T&P RELIEF VALVE

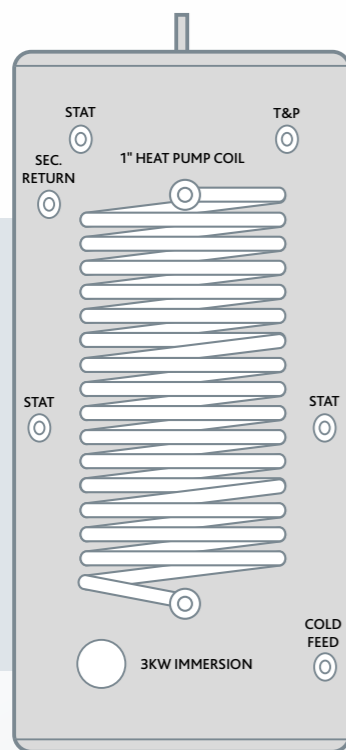


EXPANSION VESSEL  
AND BRACKET



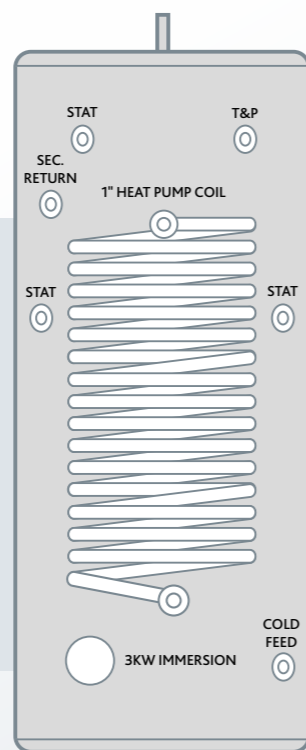
## Indirect Single Coil

Suitable for heat pump



## Slim Indirect Single Coil

Suitable for heat pump



## Express Heat Pump

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Heat Pump Coil Surface Area (m <sup>2</sup> )	Heat Pump Coil Rating (kW)	Heat loss Kwh/24h	Heat loss Watts	ERP BAND
150L	EXD0158	150	37	181	1075	545	2.08	24.67	1.32	55	B
170L	EXD0159	170	43	202	1203	545	2.08	24.67	1.63	68	C
200L	EXD0160	200	49	235	1389	545	2.97	31.5	1.7	71	C
250L	EXD0161	250	53	289	1701	545	2.97	33.08	1.99	83	C
300L	EXD0162	300	57	330	1924	545	2.97	35.44	2.03	94	C

## Express Heat Pump Slimline

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Heat Pump Coil Surface Area (m <sup>2</sup> )	Heat Pump Coil Rating (kW)	Heat loss Kwh/24h	Heat loss Watts	ERP BAND
150L	EXD0163	150	39	194	1496	475	1.61	23.46	1.6	67	B
170L	EXD0164	170	45	215	1674	475	2.08	24.67	1.7	71	C

# Express Air Standard

The first choice internal expansion unvented cylinder.  
Designed for performance and reliability.

Our range of superior quality Express AIR cylinders are built using high grade Duplex stainless steel and designed to provide fast flowing hot water to single or multiple outlets. Manufactured to the highest standards and supplied with innovative components to ensure quick recovery, low heat loss and economic use of energy.

For your peace of mind the cylinders carry a 25 year cylinder and 2 year parts guarantee, making them an excellent choice for your hot water system.



## SPECIFICATION

- > Internal expansion cylinder for faster installation and saving space.
- > Supplied with a manufacturer's backed 25 year cylinder warranty and 2 years parts warranty.
- > Diameter is 545mm from capacities 120L to 300L.
- > Manufactured from high grade Duplex Stainless Steel.
- > Fully insulated with 50mm 100% CFC and HCFC free polyurethane to minimise heat loss.
- > Lightweight construction with high quality white casing.
- > Supplied with high quality unvented components.
- > Supplied with a mechanical cylinder stat for simple electrical installation.
- > All plumbing connections are clearly identified with their description embossed into the cylinder case.
- > 22mm compression connections complete with nuts and olives.
- > Market leading and highly efficient primary coil which reduces reheat time and saves fuel bills.
- > Long-life 3kW Incoloy immersion heater supplied as standard.
- > Supplied with all safety controls as required by UK Building Regulations.



## Express Air Direct Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Immersion heater(s)	ERP BAND	ERP Efficiency	ERP Profile
120L	EXD0130	120	26	133	888	545	2	C	36	M
150L	EXD0131	150	33	171	1075	545	2	C	36	M
170L	EXD0132	170	38	197	1203	545	2	C	37	L
200L	EXD0133	200	41	225	1389	545	2	C	37	L
250L	EXD0134	250	46	281	1701	545	2	C	38	XL
300L	EXD0135	300	55	319	1924	545	2	C	38	XL

## Express Air Indirect Unvented

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	ERP BAND
120L	EXD0136	120	30	135	888	545	15.89	15	1	B
150L	EXD0137	150	38	172	1075	545	17.76	18	1	B
170L	EXD0138	170	42	197	1203	545	18.25	22	1	C
200L	EXD0139	200	45	222	1389	545	19.35	26	1	C
250L	EXD0140	250	51	281	1701	545	19.94	29	1	C
300L	EXD0141	300	60	319	1924	545	20.68	35	1	C



# Express Air Slimline

We also have a slimline version of the Express AIR for use when space is at a premium. At only 475mm width the Express AIR Slimline can be utilised in smaller cylinder cupboards or when access routes are smaller, often in older dwellings. The Express AIR Slimline also has a 25-year manufacturer's warranty.

## SPECIFICATION

- > Internal expansion cylinder for faster installation and saving space.
- > Supplied with a manufacturer's backed 25 year cylinder warranty and 2 years parts warranty.
- > Diameter is 475mm from capacities 120L to 200L.
- > Manufactured from high grade Duplex Stainless Steel.
- > Fully insulated with 50mm 100% CFC and HCFC free polyurethane to minimise heat loss.
- > Lightweight construction with high quality white casing.
- > Supplied with high quality unvented components.
- > Supplied with a mechanical cylinder stat for simple electrical installation.
- > All plumbing connections are clearly identified with their description embossed into the cylinder case.
- > 22mm compression connections complete with nuts and olives.
- > Market leading and highly efficient primary coil which reduces reheat time and saves fuel bills.
- > Long-life 3kW Incoloy immersion heater supplied as standard.
- > Supplied with all safety controls as required by UK Building Regulations.



## Express Air Indirect Slimline

Description	Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	ERP BAND
120L	EXD0150	120	30	134	1228	475	18.76	15	1	B
150L	EXD0151	150	38	166	1496	475	18.82	17	1	C
170L	EXD0152	170	42	188	1674	475	19.22	20	1	C
200L	EXD0153	200	45	215	1941	475	19.36	27	1	C

# Trade Friendly Design

Complete ease of installation

All Express cylinders are designed to ensure a problem free installation for our valued trade customers. We design our products for ease of installation and handling so they can be sited almost anywhere in the building. Please see the table below which lists all the supplied components provided with our vast range of cylinder solutions.

COMPONENT	DIRECT	INDIRECT	SINGLE COIL SOLAR	TWIN COIL SOLAR	SINGLE COIL HEAT PUMP
INLET CONTROL SET	•	•	•	•	•
TWO PORT VALVE		•		•	•
DUAL THERMOSTAT		•			
SINGLE HIGH LIMIT STAT			•	•	•
IMMERSION HEATER(S)	•	•	•	•	•
T&P RELIEF VALVE	•	•	•	•	•
T&P VALVE INSULATION COVER	•	•	•	•	•
*EXPANSION VESSEL	•	•	•	•	•
TUNDISH	•	•	•	•	•
INSTALLATION/ USER MANUAL	•	•	•	•	•

The Express comes complete with all the fittings you will need for a complete trouble free installation.

\*Expansion vessel not supplied/required with Express Air models.

## Expansion Vessel Sizing Guide

CYLINDER CAPACITY (L)	12	18	24	35	50
60 to 150	•				
170 to 250		•			
300			•		
400			•		
500				•	
600					•



COLD WATER INLET SET



TWO PORT ZONE VALVE



DUAL THERMOSTAT



3KW IMMERSION HEATER



T&P RELIEF VALVE



EXPANSION VESSEL



TUNDISH



T&P VALVE INSULATED COVER



ENERGY CUT-OUT THERMOSTAT

# Installation Guidance



For full details on product installation, please refer to the installation guide supplied with all cylinders

## Selection Guide

Choosing the right cylinder for your needs

HOT WATER DEMAND	BEDROOMS	INDIRECT	DIRECT
1 Standard Bath or Shower	Bedsit / 1	120	120
	2-3	120	150
	3-4	150	150
1 Standard Bath	2-3	150	170
	3-4	150	170
1 Standard Bath and En-Suite	2-3	170	200
	3-4	170	200
	4-5	170	200
2 Standard Baths	2-3	170	250
	3-4	170	250
	4-5	200	300
3 Bathrooms	3-4	250	300
	4-5	300	300
	5-6	300	300

## Trade Friendly Design and Installation

### Regulations

Please refer to Section G3 of the Building Regulations (England and Wales), Technical Standard P3 (Scotland) and Building Regulations P5 (Northern Ireland). All Unvented units with a capacity over 15 litres must be installed by a competent installer in accordance with these regulations.

### Mains Supply

The Express unvented cylinders require a minimum of 1.5 bar (max 10 bar) mains pressure and 20 litres per minute flow rate to ensure that the cylinder meets its minimum capabilities. Higher mains pressure and flow rates can return a higher performance from the cylinder.

**Note:** Cylinder must be connected to a mains water supply, not a well or borehole.

### Cylinder Siting

The Express unvented cylinder can be sited almost anywhere in a dwelling, particularly with the wide range of products we supply, providing hot water to outlets above and below the cylinder.

### Wiring

All electrical wiring should be fitted in accordance of the control scheme being used and by a competent electrician and the latest IEE regulations. The Express unvented cylinder is provided with the necessary controls to ensure the safe operation of the unit within a central heating system.

Please refer to the installation guide for full details.

## Customer Care

### Continued support

All Express cylinders unvented products come with a manufacturer's warranty so if you have a breakdown or fault, we are on hand to provide customer support to put it right.

Please contact our team on 03330 329 650 and we will be there ready to help you.

### Boiler Compatibility

The Express cylinders are compatible with all appliances that are fitted with an integral control thermostat and its own energy cut-out (these include natural gas, lpg, electric and oil boilers).

Heat sources without full thermostatic control (Aga etc) cannot usually be installed with an unvented unit. Please consult the installation guide for comprehensive information.

### Secondary Return Connection

As standard a secondary connection is fitted on indirect models of 200 litres and above.

# William Wilson

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<b>ABERDEEN</b>	Hareness Road, Altens Industrial Estate. AB12 3QA	<b>Tel: 01224 877522</b>
<b>AVIEMORE</b>	Unit 8 Dalfaber Industrial Estate, Dalfaber Drive. PH22 1ST	<b>Tel: 01479 811567</b>
<b>AYR</b>	18/19 Newton Trading Estate, McCalls Avenue. KA8 9AE	<b>Tel: 01292 286381</b>
<b>CUMBERNAULD</b>	5-7 Wardpark Place, Wardpark South. G67 3HX	<b>Tel: 01236 868710</b>
<b>CUPAR</b>	Unit 1, Prestonhall Industrial Estate. KY15 4RD	<b>Tel: 01334 655700</b>
<b>DUNDEE</b>	Unit 7 & 8, Rutherford Road, Dryburgh Industrial Estate. DD2 3XH	<b>Tel: 01382 880044</b>
<b>EDINBURGH</b>	70 Newcraighall Road. EH15 3HS	<b>Tel: 0131 657 5151</b>
<b>ELGIN</b>	7 - 9 Pinefield Parade. IV30 6JQ	<b>Tel: 01343 543181</b>
<b>FORT WILLIAM</b>	Unit 3, Ben Nevis Industrial Estate. PH33 6PR	<b>Tel: 01397 705375</b>
<b>FRASERBURGH</b>	26 North Street. AB43 9DJ	<b>Tel: 01346 514474</b>
<b>GLASGOW</b>	Unit 6, Houston Place, Kingston Bridge Trading Estate. G5 8SG	<b>Tel: 0141 418 2611</b>
<b>GLASGOW</b>	Unit 3c, 790 South Street, Whiteinch. G14 OSY	<b>Tel: 0141 434 1520</b>
<b>INVERNESS</b>	Henderson Road, Longman Industrial Estate. IV1 1SR	<b>Tel: 01463 237391</b>
<b>INVERURIE</b>	Units 1 & 2, Burghmuir Place, Blackhall Industrial Estate. AB51 4FW	<b>Tel: 01467 629853</b>
<b>KIRKCALDY</b>	Caxton Place, Mitchelston Industrial Estate. KY1 3LT	<b>Tel: 01592 653295</b>
<b>KIRKWALL</b>	Sparrowhawk Road, Hatston Industrial Estate. KW15 1GE	<b>Tel: 01856 871282</b>
<b>PERTH</b>	Dunkeld Road. PH1 3AD	<b>Tel: 01738 638323</b>
<b>PORTREE</b>	Unit 4d, Broom Place. IV51 9HL	<b>Tel: 01478 612577</b>
<b>STORNOWAY</b>	Unit 3, Cannery Road. HS1 2SF	<b>Tel: 01851 704046</b>
<b>THURSO</b>	Unit 8, Ormlie Industrial Estate. KW14 7QU	<b>Tel: 01847 891685</b>



<b>ABERDEEN</b>	10 Whitemyres Avenue, Mastrick Industrial Estate. AB16 6HQ	<b>Tel: 01224 663322</b>
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