|  |  |
| --- | --- |
| {{client\_name}}  {{company}},  {{address}}  **ECOLOGY/AHU QUOTATION** | Date: {{date}}  Halton Ref: {{reference\_variable}}  Sales Contact:  {{sales\_contact\_name}} {{sales\_contact\_phone}} |

Dear {{customer\_first\_name}},

*Re:* **{{project\_name}}, {{location}}**

With reference to the above project and your recent enquiry, we have pleasure in submitting our keenest quotation as follows.

The kitchen ventilation unit(s) listed within this quotation have been designed and selected based upon system information provided by your good selves.

**Our selections are based upon our Standard Manufactured units**.

**(We have assumed that any kitchen ventilation canopies that will have inbuilt UV-C filtration to allow the Pollustop extract units to operate at their optimum efficiency)**

We would please ask you to check our selection(s) thoroughly to ensure that we have interpreted your, or the specification requirements, correctly.

*Specification(s):* N/A

*Drawing Number(s):* N/A

For further technical advice or assistance please either call the sales department on 01634 666111 or visit our website at [www.halton.com/](http://www.halton.com/)foodservice.

We trust the quotation meets with your approval. Should you have any further requirements or queries, please do not hesitate to contact me.

Yours sincerely,

{{estimator}}

{{estimator\_rank}}

Customer Service Department

For & behalf of Halton Foodservice Limited

*Re:* **{{project\_name}}, {{location}}**

**Halton Ecology & Air Handling Units**

Halton’s ***PEU*** Ecology extract units incorporates the highest levels of emission control. Grease, odours, moisture, smoke, and the inevitable complications linked to fire safety, hygiene and neighbourhood complaints become history. A ***PEU*** Ecology gives the end user the flexibility to locate their restaurant wherever they chose, eliminating the need for unsightly externally mounted vertical duct risers, reduce installation costs and increase the leasable surface.

Halton’s ***AEU*** supply air units are designed to comply with the highest hygiene requirements inside professional kitchens. Aerolys units provide a high level of air quality to the kitchen with the capability to provide a constant balance between the kitchens exhaust and supply units, perfectly compatible with the Halton M.A.R.V.E.L. system.

Extenso ***XEU*** unit is the combination of a ***PEU*** *Ecology* and ***AEU***AHU’s, resulting in a unique list of benefits. This arrangement makes it possible to combine highly efficient heat exchangers preventing any cross contamination, still fully compatible with Halton demand control system M.A.R.V.E.L. to provide a complete and consistent solution.

This range of Air Handling Units are solely manufactured in our Rochester UK facility.

Eurovent support documentation and test results available on request.

**PLEASE NOTE, IF UNITS ARE REQUIRED TO BE FLAT PACKED FOR DELIVERY AND / OR INSTALLATION PURPOSES, EUROVENT ACCREDITATION WILL NOT BE APPLICABLE.**

**Manufacture**

The design concept of Halton’s Ecology & AHU range is that the units are constructed in modular sections for ease of selection, transport, and installation. However, upon request, modules can be integrated, manufactured and site delivered as a single unit.

All units are manufactured in accordance with EN 1886:2007 from 50mm x 50mm extruded aluminium box section profile finished with preformed black nylon corners. Modular panels are of a double-skinned construction, sandwiched with 100 Kg/m³ mineral wool insulation to enhance the unit’s thermal and acoustic properties.

As standard, the external facing panel finish is Solent Blue (RAL 240 40 40).

**Technical Support Documents**

Additional documentation that can be readily supplied in conjunction with this quotation include:

* Full technical specification.
* Preliminary drawings in both .pdf and .dwg format.
* Additional data sheets available upon request include fan performance curves, unit weight sheets, coil performance data, isometric rendering.
* See “Appendix A” for full ***PEU / AEU*** module identification listings.
* Read “Appendix B” for unit servicing and maintenance guidelines.

**1.0 PEU Extract Ecology Unit**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **STANDARD EXTRACT ECOLOGY UNIT, PEU-XX** | | | | | | |
|  | | | | | | |
| **xxx**m³/s @**xxxP**a external static pressure. | | |  | Unit sized xxxx wide x xxxx high x xxxx long | | |
|  | | | | | | |
| **PG** | G4 panel filter | **YES** |  | **BD** | Backdraught damper |  |
| **ED** | Electrostatic precipitator, dry system | NO |  | **FS** | Fan & VFD, standard, up to 40°C |  |
| **EW** | Electrostatic precipitator c/w wash system |  |  | **FO** | Fan & VFD, motor out-of-airstream, up to120°C |  |
| **UO** | UV-C ultraviolet light filtration |  |  | **FF** | Fan & VFD, fire rated, up to 400°C |  |
| **BS** | F9 bag filter |  |  | **AE** | Inlet attenuator, melinex lined XXX long |  |
| **HF** | E10 EPA filter |  |  | **AE** | Outlet attenuator melinex lined XXX long |  |
| **CF** | NFX carbon filter |  |  | **AM** | Access module / section |  |
| **RC** | Recovery coil, extract (35°C air on) |  |  | **TS** | Fan / filter monitoring & Touchscreen | NO |

**Specific Notes**

1. Unit is selected for mounting in an external / internal location as indicated within the specification.
2. Unit to be delivered to site as a flat pack consignment for re-assembly on site.
3. Unit height listed above does not include for 100mm high, full length base frame.
4. If externally located, AHU height listed above does not include for 100mm high weatherproof roof.
5. 3-Phase electrical supply by others to fan isolator.
6. 1-Phase electrical supplies by others to filter panel, UV-C module & Electrostatic filter, as required.

**2.0 AEU Supply AHU**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **STANDARD SUPPLY AHU, AEU-XX** | | | | | | |
|  | | | | | | |
| **xxx**m³/s @**xxx** Pa external static pressure. | | |  | Unit sized xxxx wide x xxxx high x xxxx long | | |
|  | | | | | | |
| **PM** | M5 Panel | **YES** |  | **FC** | Frost coil – electric / LPHW / gas |  |
| **UG** | UV-C (non-ozone) germicidal filtration | NO |  | **RC** | Recovery coil, supply |  |
| **BU** | F7 urban bag filter, long pockets |  |  | **CW** | Chilled water coil |  |
| **BL** | F9 bag filter, long pockets |  |  | **DX** | Direct Expansion cooling / heating col |  |
| **AS** | Inlet attenuator, XXX long |  |  | **HW** | LPHW heating coil |  |
| **AS** | Outlet attenuator, XXX long |  |  | **HE** | Electric heater battery |  |
| **AM** | Access module / section |  |  | **HG** | Indirect gas-fired heater |  |
| **BD** | Backdraught damper |  |  | **CP** | Controls & Control panel |  |
| **FS** | Fan & VFD, standard – up to 40oC |  |  |  |  |  |

**Specific Notes**

1. Unit is selected for mounting in an external / internal location as indicated within the specification.
2. Unit to be delivered to site as a flat pack consignment for re-assembly on site.
3. Unit height listed above does not include for 100mm high, full length base frame.
4. If externally located, AHU height listed above does not include for 100mm high weatherproof roof.

**3.0 XEU Combined Ecology & Supply AHU**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **COMBINED STANDARD ECOLOGY & SUPPLY AHU, XEU-XX-X** | | | | | | | |
|  |  |  |  |  |  |  |
| **EXTRACT PEU-XX-X** | | |  | **SUPPLY AEU-XX-X** | | |
| **XXX**m³/s @ **XXX** Pa external static pressure. | | |  | **XXX**m³/s @ **XXX** Pa external static pressure. | | |
| Unit sized XXXX wide x XXXX high x XXXX long | | |  | Unit sized XXXX wide x XXXX high x XXXX long | | |
| **PG** | G4 panel filter | **YES** |  | **PM** | M5 panel filter | **YES** |
| **ED** | Electrostatic precipitator, dry system | NO |  | **UG** | UV-C (non-ozone) germicidal | NO |
| **EW** | Electrostatic precipitator c/w wash system |  |  | **BU** | F7 urban bag filter, long pockets |  |
| **UO** | UV-C ultraviolet light filtration |  |  | **BL** | F9 bag filter, long pockets |  |
| **BS** | F9 bag filter, short pockets |  |  | **AS** | Inlet attenuator, XXX long |  |
| **HF** | E11 EPA filter |  |  | **AS** | Outlet attenuator, XXX long |  |
| **CF** | NFX carbon filter |  |  | **AM** | Access module / section |  |
| **RC** | Recovery coil, extract (35° air on) |  |  | **BD** | Backdraught damper |  |
| **BD** | Backdraught damper |  |  | **FS** | Fan & VFD, standard - up to 40°C |  |
| **FS** | Fan & VFD, standard - up to 40°C |  |  | **FC** | Frost coil - electric / LPHW / gas |  |
| **FO** | Fan & VFD, motor out-of-airstream, up to 120°C |  |  | **RC** | Recovery coil, supply |  |
| **FF** | Fan & VFD, fire rated - up to 400°C |  |  | **CW** | Chilled water coil |  |
| **AE** | Inlet attenuator, Melinex XXX long |  |  | **DX** | Direct Expansion cooling / heating coil |  |
| **AE** | Outlet attenuator, Melinex XXX long |  |  | **HW** | LPHW heating coil |  |
| **AM** | Access module / section |  |  | **HE** | Electric heater battery |  |
| **TS** | Fan / filter monitoring & Touchscreen |  |  | **HG** | Indirect gas-fired heater |  |
|  |  |  |  | **CP** | Controls & Control panel | NO |

**Specific Notes**

1. Unit is selected for mounting to an external / internal location as indicated within the specification.

2. Unit to be delivered to site as a flat pack consignment for re-assembly on site.

3. Unit height listed above does not include for 100mm high, full length base frame.

4. If externally located, AHU height listed above does not include for 100mm high weatherproof roof.

5. 3-Phase electrical supply by others to fan isolator.

6. 1-Phase electrical supplies by others to filter panel, UV-C module & Electrostatic filter, as required.

**PRICING SCHEDULE**

|  |  |  |  |
| --- | --- | --- | --- |
| **1.0 EXTRACT** | ***ITEM*** | ***DESCRIPTION*** | ***PRICE*** |
| 1.01 | PEU-0xx Unit, ex-works. |  |
|  | Unit Mounted Control Panel & Controls Platform (LCH-2) |  |
|  | Edge Control Interface (Remote Connectivity) |  |
|  | Kerbside delivery to site for off-loading by others. |  |
|  | Re-assembly / installation on site by Halton. |  |
|  | Commissioning (to ensure correct operation of unit) |  |
| ***SUB TOTAL*** | |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **2.0 SUPPLY** | ***ITEM*** | ***DESCRIPTION*** | ***PRICE*** |
| 2.01 | AEU-xx Unit, ex-works. |  |
|  | Unit Mounted Control Panel & Controls Platform (LCH-2) |  |
|  | Control Interface Panel (for remote connectivity) |  |
|  | Kerbside delivery to site for off-loading by others. |  |
|  | Re-assembly / installation on site by Halton. |  |
|  | Commissioning (to ensure correct operation of unit) |  |
| ***SUB TOTAL*** | |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **3.0 COMBINED** | ***ITEM*** | ***DESCRIPTION*** | ***PRICE*** |
| 3.01 | XEU-XX Unit, ex-works. |  |
|  | Unit mounted control panel & controls platform |  |
|  | Control Interface Panel (for remote connectivity) |  |
| 3.02 | Kerbside delivery to site for off-loading by others. |  |
| 3.03 | Re-assembly / installation on site by Halton. |  |
| 3.04 | Commissioning (to ensure correct operation of unit) | £500.00 |
| ***SUB TOTAL*** | |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **4.0 OPTIONS** | ***ITEM*** | ***DESCRIPTION*** | ***PRICE*** |
| 4.01 | Pressurisation unit for heat recovery run-around coils, ex-works. |  |
| 4.02 | Annual maintenance contract, BUDGET cost. |  |
| 4.03 |  |  |
| 4.04 | Commissioning. |  |
| ***SUB TOTAL*** | |  |

|  |  |  |
| --- | --- | --- |
| **£** | **TOTAL *(EXCLUDING VAT)***  Halton exclude VAT, local taxes, withholding tax, import duties and export duties |  |

**BS EN Compliance**

The Halton Foodservice range of Ecology & Air Handling Units are designed, manufactured, and installed to comply with industry standard BS EN 1886:2007.

**Inclusions**

1. Issue of AutoCAD drawings for client approval and co-ordination.
2. Manufacture in accordance with client approved drawings.
3. Delivery to site, kerbside only i.e., unloading to be by others. Halton are FORS GOLD accredited.
4. If included for within our scope of works, installation of unit modules to be carried out during normal working hours in a continuous manner. Any overtime, broken time, night work or the like required to suit the client’s works conditions will be chargeable.
5. Touch Screen to monitor filter condition and fan operation only (MODBUS ready)
6. Operating & maintenance manuals.
7. On site commissioning (mechanical & electrical) to ensure correct operation of inbuilt fan & filter monitoring system and or heating / cooling functions.

**Exclusions**

1. VAT at the prevailing rate.
2. **We specifically exclude any works not mentioned for within this quotation. If you think we have omitted any client requirements, please call the Sales Team immediately for clarification.**
3. **Halton exclude VAT, local taxes, withholding tax, import duties and export duties.**
4. Any form of main contractor’s discount.
5. Site survey.
6. Offloading & delivery of unit modular sections from kerbside to the final location.
7. Specialist heavy lifting equipment i.e., crane.
8. Flat packing of modules.
9. Installation.
10. Out of hours working.
11. Supply & installation of pressurisation unit, or any associated pipework, valves, and fittings between heat-recovery run around coils.
12. **Supply & installation of A.C Condensing unit or any associated refrigeration pipework.**
13. Supply & installation of any heating or cooling pipework.
14. Drains to waste from coils.
15. Ductwork and insulation.
16. Preparation of plant deck area to make suitable for Halton AHU mounting.
17. **Main control panels or controls.**
18. All associated site electrical wiring, power, controls.
19. **Factory Witness Testing (air volume, pressure, leakage etc)**
20. **Pressure testing of all components.**
21. **Acoustic noise tests.**
22. **Third party site testing.**
23. **Control systems testing.**

**Drawings**

Drawings could be submitted with 10 days from receipt of an order. All Contract issue drawings in DWG format should be provided by the contractor when the order is placed, to enable drawing work to commence. These timescales are for guidance only and are subject to review.

**Availability**

For availability, please contact the area sales manager (see top of quote)

Any timescales are for guidance only and are subject to review.

**Terms**

Subject to account status. All invoices are strictly net cash, to be settled 30 days from date of invoice.

**Price Validity**

All prices are calculated as at the date of this quotation and remain open for acceptance for 90 days thereafter.

***ALL PRICES ARE SUBJECT TO A FULL AND FINAL DETAILS BEING APPROVED……………***

**APPENDIX A**

**PEU EXTRACT ECOLOGY UNIT MODULE IDENTIFICATION**

**PG *Panel Filter*** – a G4 (EU4) grade cotton / synthetic media, pleated filter selected to remove medium sized particles. Performance levels up to 95% efficiency for 5-micron particles and above.

**ED *Electrostatic Precipitator*** – ultra high efficiency electrostatic precipitator to remove moisture, smoke, and particulate from the exhaust airstream. Requires permanent drain connection and includes for a downstream mesh filter.

**EW *Electrostatic Precipitator*** – ultra high efficiency electrostatic precipitator completes with integral hot water / detergent wash system for in situ cleaning. Requires permanent drain connection and includes for a downstream mesh filter.

**UO *UV-C Treatment, Ozone*** – a UV-C based filtration system incorporating Halton’s Capture Ray™ technology. The number of Ozone producing lamps are site specifically selected to remove airborne grease and reduce cooking odours prior to discharge to atmosphere.

**BS *Bag Filter*** – a F9 (EU9) grade fibreglass media, bag filter complete with 8no short pockets, selected to remove medium sized particles. Performance levels up to 95% efficient for 0.4-micron particles and above.

**HF *EPA Filter*** – a H10 (E10) grade water repellent EPA glass paper pleated filter, separated by corrugated aluminium fins. The filter is selected to remove ultra-fine particles with performance levels up to 95% efficiency for 0.3-micron particles and above. Not suitable for air with a high moisture content.

**CF *Carbon Filtration*** – NFX grade activated carbon granule filter cells are installed downstream from the UV-C module to remove surplus ozone generated from the UV-C lamps. The filter cells are built with coconut shell activated carbon media and incorporates a ‘Colour-cell’ indicator to display remaining filter life.

**RC *Heat Recovery Coil*** – standard construction includes copper pipework coil complete with aluminium fins, suited for air-to-air or air-to-water (or both) heat transfer. The duty is based upon an air on coil temperature of 35°C.

Moisture eliminators are fitted as standard.

**BD *Backdraught Damper*** – a galvanised steel motorised shut-off damper to protect the unit from ingress of moisture and cold air whilst it is not in use.

**FS *Fan Module, Standard*** – a high efficiency direct drive fan unit manufactured with first class dynamic balancing (lowest vibrations) for the longest life cycle possible. Fan temperature rating up to 40°C, capable of a total system static pressure up to 2000Pa. Fan supplied with variable frequency drive controls.

**FO *Fan Module, Motor out of Air Stream***– a high efficiency direct drive fan unit manufactured with first class dynamic balancing (lowest vibrations) for the longest life cycle possible. Fan temperature rating up to 120°C, capable of up to a total system static pressure of 2000Pa. Fan supplied with variable frequency drive controls.

**FF *Fan Module, Fire Rated*** – a high efficiency direct drive fan unit manufactured with first class dynamic balancing (lowest vibrations) for the longest life cycle possible. Fan temperature rating up to 400°C, capable of up to a total system static pressure of 2000Pa in both ‘duty’ and ‘fire’ modes. Fan supplied with variable frequency drive controls.

**AE *Attenuator, Exhaust*** – built-in attenuator modules are available for Pollustop ***PEU*** range, Melinex lined as standard to reduce grease impregnation within kitchen extract systems. Intended for the reduction of in-duct noise transmission, attenuators are supplied in length options of 900mm, 1200mm and 1500mm. For specific noise requirements, consider seeking professional acoustic advice.

**AM *Access Section*** – access section available in lengths to suit site conditions. May assist ductwork connections to AHU or aid the inspection of certain modules (particularly filters or coils in larger unit’s).

**SL *Sand Louvre*** – typically used in desert / coastal applications to halt sand ingress to unit.

**AEU SUPPLY UNIT MODULE IDENTIFICATION**

**PM *Panel Filter, M5*** – a M5 (EU5) grade synthetic glass fibre paper media, pleated filter selected to remove medium / fine sized particles. Performance levels up to 97% efficiency for 5-micron particles and above. This component is offered as part of the *‘Halton Urban Pack’*, where the quality of the incoming air must be treated to an extremely high standard.

**UG *UV-C Treatment, Germicidal*** – a UV-C based filtration treatment for use in Aerolys AEU units where removal / reduction of bacteria to the incoming supply air is required. This would generally be offered as part of the *‘Halton Urban Pack’*, where the quality of the incoming air must be treated to an extremely high standard. Includes for non-ozone producing UV lamps housed inside quartz sleeves.

**BU *Bag Filter*** – a F7 (EU7) grade glass fibre carbon impregnated, bag filter complete with 10no short pockets, selected to remove fine particles and reduce toxic gases. Performance levels up to 88% efficient for 0.4-micron particles and above. This component is offered as part of the *‘Halton Urban Pack’*, where the quality of the incoming air must be treated to an extremely high standard.

**BL *Bag Filter*** – a F9 (EU9) grade fibreglass media, bag filter complete with 12no long pockets, selected to remove medium / fine sized particles. Performance levels up to 96% efficient for 0.4-micron particles and above.

**AS *Attenuator, Supply*** – built-in attenuator modules are available for the Aerolys ***AEU*** AHU range. Intended for the reduction of in-duct noise transmission, attenuators are supplied in length options of 900mm, 1200mm and 1500mm. For specific noise requirements, consider seeking professional acoustic advice.

**AM *Access Section*** – access section available in lengths to suit site conditions. May assist ductwork connections to AHU or aid the inspection of certain modules (particularly filters or coils in larger AHU’s).

**BD *Backdraught Damper*** – a galvanised steel motorised shut-off damper to protect the AHU from ingress of moisture and cold air whilst it is not in use.

**FS *Fan Module, Standard*** – a high efficiency direct drive fan unit manufactured with first class dynamic balancing (lowest vibrations) for the longest life cycle possible. Fan temperature rating up to 40°C, capable of a total static system pressure up to 2000Pa. Fan supplied with variable frequency drive controls.

**FC *Frost Coil*** – a low pressure hot water (LPHW) copper pipework coil completes with aluminium fins, selected to raise the incoming temperature of the air from -5°C to +5°C (UK conditions). The purpose of the frost coil is to protect the unit from the ingress of outside air cold enough to potentially damage susceptible modules within the AHU. Apart from a LPHW coil, the Frost Coil can also be supplied in the form of an indirect fired gas burner or electric heater battery.

**RC *Recovery Coil, Supply*** – manufactured from copper pipework complete with aluminium fins, the recovery coil is suitable for either air-to-air, air-to-water heat transfer or both. The recovery coil is 45 to 50% efficient and includes for moisture eliminators as standard – this is essential for use in tandem with a Pollustop ***PEU*** unit.

**CW *Chilled Water Coil*** – a copper pipework coil completes with aluminium fins, to include moisture eliminators as standard. Unit is built with a drain pan and connection. It is generally assumed that a chilled water supply is available on site. Matching 3-way modulating valve available if required as an additional extra.

**DX *Direct Expansion Cooling / Heating Coil*** – A DX coil, or Direct Expansion coil, works on the ‘refrigeration effect’. Cooling occurs when a fluid under pressure and at a temperature above its normal boiling point has the pressure reduced. This makes the fluid want to boil or flash to a gas. For it to boil or flash, the liquid must absorb the heat from its surrounding environment, thus cooling the surroundings. By controlling how much pressure the refrigerant is under, the flash point temperature of the liquid refrigerant is controlled. DX coils can be utilised in reverse cycle as a heater if requested.

**HW *Heating Coil, LPHW*** – a copper pipework coil completes with aluminium fins, this unit can be used as a frost and / or duty coil. Generally assumed that a suitable LPHW (low pressure hot water) supply is available on site. Matching 3-way modulating valve available if required as an additional extra.

**HE *Electric Heater Battery*** –an electric heater battery completes with thyristor controls. Can be utilised as a frost coil or main duty coil. Always check if there is an adequate electrical power supply on site if used as a main duty coil.

**HG *Indirect Gas Fired Heating Coil*** – as an option, heating coil can be supplied as an indirect gas fired heating element.

**SL *Sand Louvre*** – typically used in desert / coastal applications to halt sand ingress to AHU.

**APPENDIX B SERVICING & MAINTENANCE SCHEDULE**

A strict servicing and maintenance regime is essential to ensure the optimum efficiency of the ***PEU*** filtration cells. Please see the table below for guidance upon typical the filter replacement programme.

Filter replacement programmes for a ***PEU*** should be determined upon the worst-case cooking appliance within the kitchen appliance layout.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of Appliance or** | **Pre-Filter** | **Bag Filter** | **Absolute Filter** | **NFX Filter** |
| **Cooking Application** | **PANEL (G4)** | **BAG (F9)** | **EPA (H11)** | **CARBON** |
| Wood Chargrill | 1-2 weeks | 3-6 weeks | 3-6 weeks | 12-16 weeks |
| Gas Chargrill | 3 weeks | 6-7 weeks | 10-12 weeks | 20-25 weeks |
| Charcoal Oven | 3 weeks | 6-7 weeks | 10-12 weeks | 20-25 weeks |
| Wok Range | 3 weeks | 6-7 weeks | 10-12 weeks | 20-25 weeks |
| Heavy Duty Fryer | 3 weeks | 6-7 weeks | 10-12 weeks | 20-25 weeks |
| Griddle | 4-8 weeks | 8-10 weeks | 12-20 weeks | 35-40 weeks |
| Solid Top Range | 4-8 weeks | 8-10 weeks | 12-20 weeks | 35-40 weeks |
| Open Top Range | 4-8 weeks | 8-10 weeks | 12-20 weeks | 35-40 weeks |
| Oven i.e. convection, steaming | 8-10 weeks | 16-20 weeks | 23-35 weeks | 50-60 weeks |
| Combination Oven | 8-10 weeks | 16-20 weeks | 23-35 weeks | 50-60 weeks |
| Pasta Cooker | 8-10 weeks | 16-20 weeks | 23-35 weeks | 50-60 weeks |
| Boiling Pan & Kettle | 8-10 weeks | 16-20 weeks | 23-35 weeks | 50-60 weeks |
| Cafeteria Style Cooking | 8-10 weeks | 16-20 weeks | 23-35 weeks | 50-60 weeks |
| Family Restaurant Cooking | 4-8 weeks | 8-10 weeks | 12-20 weeks | 50-60 weeks |
| Hospital Cooking | 5-6 weeks | 10-12 weeks | 12-20 weeks | 40-50 weeks |
| Soup & Sandwiches | 8-12 weeks | 12-24 weeks | 20-40 weeks | 50-60 weeks |
|  |  |  |  |  |
|  |  |  |  |  |
| **\*\*\* IMPORTANT NOTES \*\*\*** | | | | |
|  | | | | |

1. THE TABLE ABOVE IS TO BE REFFERED TO AS GUIDANCE, NOT A SPECIFICATION.
2. Filter maintenance programmes will differ from site to site depending upon the prevailing conditions.
3. Using high efficiency canopy filtration i.e., UV-C filtration, will decrease the frequency of the filter replacement programme.
4. Using high efficiency Electrostatic Precipitators upstream of the filtration cells will significantly lengthen the life expectancy of the subsequent filtration processes.

To obtain further information, advice, ***OR*** a full quotation to provide a full servicing and maintenance programme to your Halton AHU, please contact the Halton’s servicing and maintenance department by telephone at 01634 666 111.

**TERMS & CONDITIONS OF SALE**

**1. Definitions**

1.1 “Halton Foodservice” means Halton Foodservice Limited whose address is 11 Laker Road, Airport Industrial Estate, Rochester, Kent, ME1 3QX, UK.

1.2 “Customer” means the person, company or other organisation set out in the Order Acknowledgement.

1.3 “Conditions” means the terms and conditions set out in this document and any special terms and conditions agreed by Halton Foodservice in writing for the provision of the Works set out in the Order Acknowledgement and or Quotation.

1.4 “The Date of Practical Completion” means the date specified by Halton Foodservice and notified in writing to the Customer as the date on which the Works have been completed to such an extent that they can be used for the purpose for which they are intended to be used.

1.5 “The Daily Rate” means the rate set out in the Order Acknowledgement.

1.6 “Delivery Date” means the date or dates specified by Halton Foodservice in the Order Acknowledgement or such other dates as may from to time, be notified by Halton Foodservice to the Customer.

1.7 “Design” means the creation of drawings, plans, specification or other documents in connection with the supply of the Works.

1.8 “Extras” means the supply of goods and services by Halton Foodservice to the Customer over and above the Works specified in the Quotation and or Order Acknowledgement.

1.9 “Goods” means the items to be supplied and or manufactured by Halton Foodservice including, as appropriate, materials for the purpose of installing the goods.

1.10 “Installation” means the installing, assembly, construction and or fixing of the goods at the Premises.

1.11 “Order” means an offer by the Customer to purchase the goods and or services set out in the Quotation.

1.12 “Order Acknowledgement” means the document set out overleaf which is the acceptance of the Customer’s Order. If there is any conflict or discrepancy between the Order Acknowledgement and the Quotation or the Order then the Order Acknowledgment shall prevail.

1.13 “Premises” means the place or places specified in the Order Acknowledgement at which the goods are to be delivered or the Works carried out.

1.14 “Price” means the price of the Works excluding VAT.

1.15 “Quotation” means the document or documents referred to in the Order Acknowledgement setting out the Works.

1.16 “Services” means design, installation or the provision of other work in connection with the Works.

1.17 “The Works” means the goods and services to be supplied to the Customer by Halton Foodservice as set out in the Quotation or Order Acknowledgement. This expression does not include “Extras” which would be charged separately.

**2. Conditions applicable**

2.1 These conditions shall apply to all contracts for the Works to the exclusion of all terms and conditions including any terms or conditions which the Customer may purport to apply under any purchase order, confirmation of order or similar document.

2.2 All instructions to carry out the Works shall be deemed to be an instruction by the Customer to carry out the Works or Extras pursuant to these conditions.

2.3 Commencement of the Works shall be deemed conclusive evidence of the Customer’s acceptance of these conditions.

2.4 Any variation of these conditions (including any special terms or conditions agreed between the parties) shall be inapplicable unless agreed in writing by Halton Foodservice.

2.5 Halton Foodservice shall not be obliged to carry out any Extras and shall only become obliged to do so on issuing a separate Order Acknowledgement in relation to any particular Extras which it agrees to carry out. The terms on which Halton Foodservice agrees to carry out the Extras will be set out in the said Order Acknowledgement and in accordance with these conditions.

**3. The Works**

3.1 The quantity and description of the Works is as set out in the Quotation or Order Acknowledgement.

3.2 Where the goods are manufactured and or assembled in accordance with any specification or other document provided to Halton Foodservice by the Customer Halton Foodservice shall be entitled to rely upon such specification as accurate and in all other respects correct provided that the goods are manufactured and or installed in accordance with the said specification. The Customer will be responsible for any additional costs incurred by Halton Foodservice in the event that the specification or other document is inaccurate or otherwise incorrect.

3.3 Where Halton Foodservice manufactures and or installs the goods to its own specification or other document Halton Foodservice shall use its reasonable endeavours to comply with the specification and or other documentation save that it shall not be liable for any deviation from the specification or other documents within a reasonable tolerance.

3.4 Halton Foodservice shall be entitled to depart from the Quotation or Order Acknowledgement and or any agreed specification in the event that any of the materials required to enable manufacture of the Goods are not freely available or are likely to delay the Delivery Date.

**4. Customer Obligations**

4.1 The Customer shall provide and or arrange and continue to provide or arrange proper access to the premises for Halton Foodservice from the Delivery Date until the Date of Practical Completion.

4.2 The Customer shall provide and or arrange and continue to provide and or arrange suitable and safe working conditions for Halton Foodservice and its employees and or agents and or sub-contractors and shall comply in all respects with all relevant Health & Safety Regulations applicable to the premises from the Delivery Date until the Date of Practical Completion.

4.3 The Customer shall provide, without charge, before the Delivery Date if requested to do so by Halton Foodservice written authority from the owner and or site manager of the Premises to Halton Foodservice for the purpose of gaining access to the Premises at all appropriate times until the Date of Practical Completion.

4.4 The Customer shall before the Delivery Date obtain all the necessary planning and or building regulations consents and shall, at no charge, supply true copies of such consents to Halton Foodservice if requested by Halton Foodservice to do so.

4.5 The Customer shall at all times after the Delivery Date, provide safe storage at the Premises for all goods and materials to be supplied in accordance with The Works and such equipment and/or machinery as Halton Foodservice shall require to use, in connection with the installation of the Works.

4.6 The Customer shall provide and or arrange and continue to provide and or arrange for the provision of such services at the Premises as Halton Foodservice shall require in connection with installations of the goods.

4.7 The Customer shall provide a responsible person to be available to give instructions at the Premises in relation to any aspect of the Site Works.

**5. The Price and Payment**

5.1 The Price shall be the Price as set out in the Quotation and/or Order Acknowledgement. The Price is exclusive of VAT which shall be due at the rate ruling on the date of Halton Foodservice’s invoice (which expression includes an interim invoice.)

5.2 Interim invoices for part payment of the Price and VAT and Extras (if appropriate) will be issued at monthly intervals or at such other times as Halton Foodservice shall determine. An interim invoice shall generally relate to the Works done and/or expenses which have been incurred by Halton Foodservice to the date of the interim invoice but any Works done or expenses incurred during the period to which an interim invoice relates which are not charged in the interim invoice may be charged by Halton Foodservice in a subsequent interim invoice or in a final invoice.

5.3 Payment of all invoices shall be within 30 days of the date of the invoice and time for payment shall be the essence of the contract.

5.4 Interest on overdue invoices shall accrue from the date when payment becomes due from day to day until the date of payment at the rate of 4% above National Westminster Bank Plc’s base rate from time to time and shall accrue at such rate after as well as before any judgement.

5.5 The Customer shall not be entitled to set off any claim or demand for payment against any invoice delivered to the Customer by Halton Foodservice.

5.6 Halton Foodservice shall, at its discretion, afford the Customer a discount as set out on the Order Acknowledgement for payment of invoices within the time required by the preceding sub-clauses.

5.7 In the event that the Customer cancels an Order, Halton Foodservice shall be at liberty to charge the Customer on a “time and materials” basis for all time which it engaged in work in connection with the contract including but not limited to the design and preparation for the manufacture of the Goods together with the cost of materials purchased in connection with the contract and/or for any time charges incurred in connection with the provision of equipment in connection with the contract

**6. Delivery**

6.1 The Customer shall make all arrangements necessary to take delivery of the materials to the Premises when they are tendered for delivery.

6.2 Delivery shall be deemed to take place in respect of those goods which Halton Foodservice delivers to the Premises. Halton Foodservice shall be at liberty, on giving notice to the Customer, to deliver the goods in advance of the Delivery Date in which case the Customer shall store the goods in accordance with clause 4.5 above.

6.3 Halton Foodservice shall not be liable for any loss or damage whatsoever due to failure to deliver the goods or any part of them promptly in accordance with the Delivery Date which is an indication only of the date on which Halton Foodservice expects to deliver the goods.

6.4 Notwithstanding that Halton Foodservice may have delayed or failed to deliver goods (or any part of them) promptly the Customer shall be bound to accept delivery provided that the delivery shall be tendered at each time within 3 months of the Delivery Date.

**7. Installation**

7.1 In the event that Halton Foodservice is prevented from carrying out continuous work on the installation of the Goods for any reason (other than its own fault) the Customer shall be responsible for additional charges calculated at the Daily Rate for the period of the delay and the delay shall be deemed to last until the next working day following receipt by Halton Foodservice of written notice from the Customer confirming that the reason for the delay no longer applies.

**8. Title and Risk**

8.1 The goods shall be at the Customer’s risk as from delivery.

8.2 In spite of delivery having been made property in the goods shall not pass from Halton Foodservice until:

8.2.1 The Customer shall have paid the Price plus VAT in full; and

8.2.2 No other sums whatever shall be due from the Customer to Halton Foodservice.

8.3 Until property in the Works passes to the Customer in accordance with clauses 8.2 the Customer shall hold the goods and each part of them on a fiduciary basis as bailee for Halton Foodservice. The Customer shall store the goods (at no cost to Halton Foodservice) separately from all other goods and materials in its possession and marked in such a way that they are clearly identified as Halton Foodservice’s property.

8.4 Notwithstanding that the goods (or any part of them) remain the property of Halton Foodservice; the Customer may sell or use the goods in the ordinary course of the Customers business at full market value for the account of Halton Foodservice. Any such sale or dealing shall be a sale or use of Halton Foodservice’s property by the Customer on the Customer’s own behalf and the Customer shall deal as principal when making such sale or dealings. Until property in the goods passes from Halton Foodservice the entire proceeds of sale or otherwise of the goods shall be held in trust for Halton Foodservice and shall not be mixed with other monies or paid into any overdrawn bank account and shall be at all material times identified as Halton Foodservice’s money.

8.5 Halton Foodservice shall be entitled to receive the Price plus VAT notwithstanding that property in any of the goods has not passed from Halton Foodservice.

8.6 Until such time as property in the Works passes from Halton Foodservice the Customer shall upon request deliver up such of the goods as have not ceased to be in existence or resold to Halton Foodservice. If the Customer fails to do so Halton Foodservice may enter any premises owned, occupied or controlled by the Customer where the goods are situated and repossess the goods. On the making of such request the rights of the Customer under clause 8.4 shall cease.

8.7 The Customer shall not pledge or in any way charge by the way of security for any indebtedness any of the goods which are the property of Halton Foodservice. Without prejudice to other rights of Halton Foodservice if the Customer does so all sums whatever owing by the Customer to Halton Foodservice shall forthwith become due and payable.

**9. Warranties and Liability**

9.1 Subject to the provisions of clause 3 Halton Foodservice warrants that the goods will at the Date for Practical Completion correspond to the description given by Halton Foodservice.

9.2 Halton Foodservice will carry out the Works in a good and workmanlike manner.

9.3 Subject to continued compliance by the Customer with the provisions of clause 4, Halton Foodservice will at its own expense and with reasonable diligence rectify any defects in the Works which are caused directly by faulty workmanship of Halton Foodservice or faulty goods or materials supplied by Halton Foodservice or faulty design by Halton Foodservice provided that written notice containing full particulars of any such defect is received by Halton Foodservice before the first anniversary of the Date of Practical Completion.

9.4 All or any other implied terms conditions and warranties relating to the quality or fitness for purpose or merchantability of the whole or any part of the Works are excluded.

9.5 The specification or designs of the Works (including the copyright, design right or other intellectual property in them) shall as between the parties be the property of Halton Foodservice. Where any designs or specifications have been supplied by the Customer for manufacture by or to the order of Halton Foodservice then the Customer warrants that the use of those designs or specifications for the manufacture, processing, assembly or supply of the Works shall not infringe the rights of any third party

9.6 In any case where the design of the Works or any component part of the Works is not carried out by Halton Foodservice, Halton Foodservice shall have no responsibility for the design or for any claim (howsoever arising) resulting from the design or any defect in the design.

9.7 In any case where any component part of the Works is supplied by the Customer, Halton Foodservice shall have no responsibility for any defect or any claim (howsoever arising) resulting from the supply of such component part.

9.8 Halton Foodservice shall not be liable to the Customer for late delivery or short delivery of the Works or any component part of the Works

9.9 Halton Foodservice’s liability to the Customer, whether for any breach of contract or otherwise, shall not in any event exceed the Price and Halton Foodservice shall be under no liability for any direct loss or expense or indirect or consequential loss or expense (including loss of profit) suffered by the Customer or liability to third party incurred by the Customer.

**10. Termination**

10.1 This contract shall forthwith terminate on the acceptance (in writing) by Halton Foodservice of a fundamental breach of these conditions by the Customer which shall include but not be limited to failure by the Customer to make payment in accordance with the provisions of clause 5.

10.2 In the event of a breach by the Customer of any of the provisions of clause 4, Halton Foodservice may serve notice requiring the breach to be remedied within the time stipulated in that notice and in the event that the Customer shall fail to comply with the notice, the contract shall terminate accordingly (unless the notice is withdrawn in writing by Halton Foodservice).

10.3 If the Customer goes into liquidation, either compulsory or voluntary, (save for the purpose of reconstruction or amalgamation) or if a Receiver is appointed in respect of the whole or any part of its assets, or if the Customer makes an assignment for the benefit of a composition with its creditors generally or threatens to do any of these things or any judgement is made against the Customer or any similar occurrence under any jurisdiction affects the Customer. Halton Foodservice may terminate the contract forthwith by notice in writing.

10.4 On termination of the Contract, Halton Foodservice shall be entitled forthwith to deliver a final invoice and to remove Goods in accordance with the provisions of clause 8 until such time as the final invoice has been paid.

**11. Proper Law of Contract**

11.1 This contract is subject to the laws of England.

**HALTON FOODSERVICE LTD,**

11 Laker Road,

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Rochester,

Kent,

ME1 3QX, UK.