

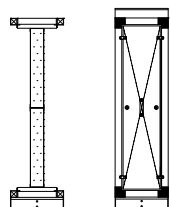
# SPECIFICATIONS AND DIMENSIONS

| PEU size <sup>(1)</sup> | 01   | 02   | 03   | 03-E                | 04    | 05    | 05-E                | 06   | 07    | 07-E                | 08    | 09    | 09-E                | 10   |
|-------------------------|------|------|------|---------------------|-------|-------|---------------------|------|-------|---------------------|-------|-------|---------------------|------|
| Airflow [m³/h]          | 3240 | 6480 | 9720 |                     | 12960 | 16200 | 19440               |      | 24300 | 29160               | 34020 | 38880 |                     |      |
| Airflow [m³/s]          | 0.9  | 1.8  | 2.7  |                     | 3.6   | 4.5   | 5.4                 |      | 6.75  | 8.1                 | 9.45  | 10.8  |                     |      |
| Height [mm]             | 750  | 750  | 1050 | 1350 <sup>(2)</sup> | 1350  | 1650  | 1350 <sup>(2)</sup> | 1350 | 1650  | 1950 <sup>(2)</sup> | 1950  | 2250  | 1950 <sup>(2)</sup> | 1950 |
| Width [mm]              | 730  | 1330 | 1330 | 1030 <sup>(2)</sup> | 1330  | 1330  | 1630 <sup>(2)</sup> | 1930 | 1930  | 1630 <sup>(2)</sup> | 1930  | 1930  | 2230 <sup>(2)</sup> | 2530 |

(1) Sizes 11 to 14 on request, for exhaust airflow rates up to 68,880 m³/h (18 m³/s)

(2) When PolluStop PEU unit is equipped with Halton's Electrostatic Precipitator (ESP)

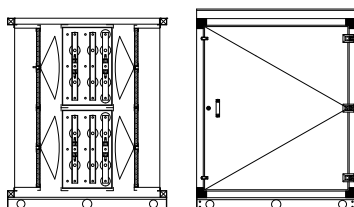
## PG Panel Filter (G4) Standalone



400

- Purpose: Remove medium-sized particles.
- Grade: Pleated filter G4 (EU4).
- Efficiency > 95% for 5 microns particles and above.
- Media: Cotton and synthetic fibre.
- Built according to EN 1886:2007.
- 100% incinerable.

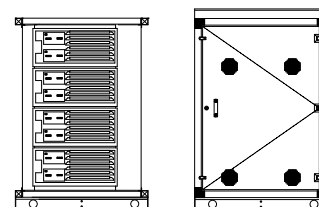
## EW ESP With wash system



1200

- Ultra high efficiency Electrostatic Precipitator (ESP).
- Purpose: Ideal for removing excess moisture and particulate from exhaust airstream.
- With integral hot water/detergent wash system for in situ cleaning.
- Requires permanent drain connection.
- Includes downstream mesh filter.
- Built according to EN 1886:2007.

## UO UV-C Treatment Ozone

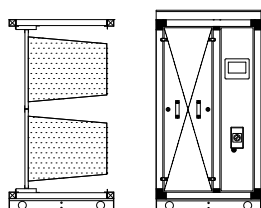


1000

- UV-C (ultraviolet light) based Halton Capture Ray™ technology.
- Includes ozone producing lamps within quartz sleeves.
- Purpose: Removal of airborne grease and reduction of cooking odours.
- Ideally located in the hood but can be incorporated in the PolluStop PEU unit.
- Number of lamps depending on the cooking operation (equipment and menu).
- Built according to EN 1886:2007.

## ED ESP Without wash system

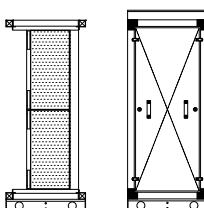
## BS Bag Filter Short Pockets



800

- Purpose: Remove medium-sized particles.
- Grade: F9 (EU9), 8 short pockets.
- Efficiency >95% for 0.4 microns particles and above.
- Media: Fibreglass.
- Lifetime increased by at least 80% when used with Halton's Electrostatic Precipitator (EW).
- Built according to EN 1886:2007.

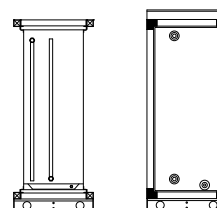
## HF HEPA Filter



600

- Purpose: Remove ultra fine particles.
- Grade: HEPA (High Efficiency Particulate Arrestor) filter H10 (EU10).
- Efficiency > 95% DOP for 0.3 microns particles and above.
- Media: Water-repellent glass paper pleats separated by corrugated aluminium.
- Not suitable for high moisture content air.
- Lifetime increased by at least 80% when used with Halton's Electrostatic Precipitator (EW).
- Built according to EN 1886:2007.

## RC Recovery Coil



600

- Approximately efficient to 45-50% heat transfer.
- Ideally suited to either air-to-air or air-to-water transfer, or both.
- No risk of cross contamination.
- Can transfer coolth under certain summer conditions.
- Copper pipework with aluminium fins.
- Number of rows determined by the specific duty.
- Includes moisture eliminators (essential for PolluStop PEU units).
- Pressurisation set available if required (included with Extensio XEU unit).
- Built according to EN 1886:2007.

| Module                             | Pressure Loss $\Delta P$ [Pa] |       |          | Lifetime depending on cooking activity [Weeks] |                       |                      |
|------------------------------------|-------------------------------|-------|----------|------------------------------------------------|-----------------------|----------------------|
|                                    | Clean                         | Dirty | Overload | Light (1)                                      | Medium (2)            | Heavy (3)            |
| PG Panel Filter (G4)               | 55                            | 125   | 150      | 8..10                                          | 4.8                   | 3                    |
| EW / ED Electrostatic Precipitator | 125..250                      |       |          | -                                              | -                     | -                    |
| UO UV-C Treatment (Ozone)          | 50                            |       |          | 13,000 hours                                   |                       |                      |
| BS Bag Filter (long pockets)       | 190                           | 250   | 450      | 16..20 / 29..36 (ESP)                          | 8..10 / 14..18 (ESP)  | 6 / 11 (ESP)         |
| HF HEPA Filter                     | 155                           | 400   | 550      | 25..35 / 45..63 (ESP)                          | 12..20 / 22..36 (ESP) | 8..10 / 14..18 (ESP) |
| CF Carbon Filter                   | 65                            | 140   | 160      | 104                                            | 78                    | 52                   |
| RC Recovery Coil                   | 150..250                      |       |          | -                                              | -                     | -                    |

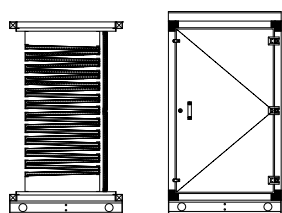
(ESP) Lifetime extension gained when preceded by Halton's Electrostatic Precipitator

(1) Light duty: All electric cooking & steam cooking.

(2) Medium duty: Mix of gas/electric cooking appliances, frying.

(3) Heavy duty: All gas cooking appliances, anything to do with solid fuel, charbroiling and grilling. Any type of oriental cooking. High output cooking appliances for production kitchens.

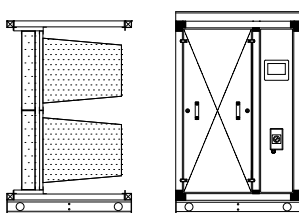
## CF Carbon Filter



◀ 850 ▶

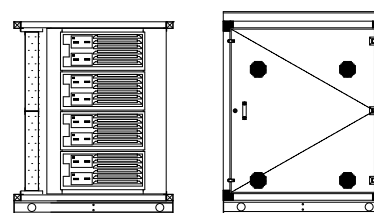
- Purpose: Remove surplus ozone generated by UV-C lamps.
- Grade: NFX Activated Carbon granules.
- Media: Coconut shell activated carbon (eco-friendly).
- Includes 25 mm G4 Post-Carbon Panel Filter as standard.
- Built according to EN 1886:2007.
- Incorporates a "colourcell" to indicate filter life.

## PG + BS



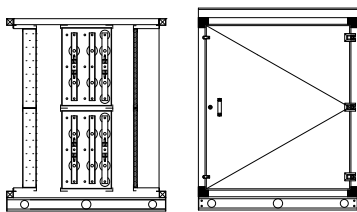
◀ 940 ▶

## PG + UO



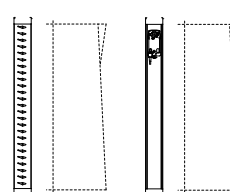
◀ 1200 ▶

## PG + ED



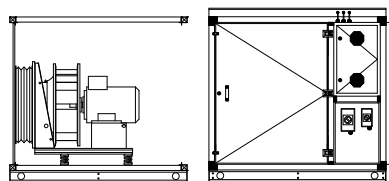
◀ 1200 ▶ ED only  
L=1000

## BD Backdraft Damper



130

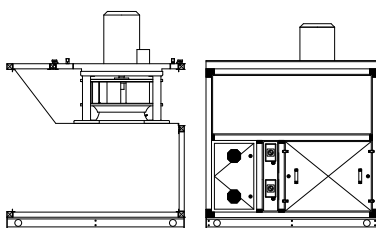
## FS Fan Standard



◀ PST 1/7: 1560  
PST 8/10: 2060 ▶

- High manufacturing standards for the longest lifecycle.
- High efficiency direct drive fans.
- First class dynamic balancing (lowest vibrations)
- Temperature rating up to 40°C.
- Variable frequency drive.
- Up to 2000 Pa total pressure.

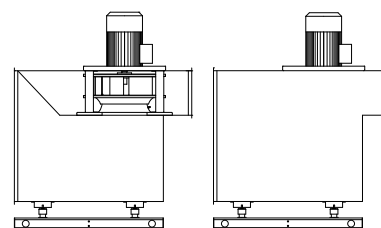
## FO Fan Motor out of the Airstream



◀ PST 1/7: 1560  
PST 8/10: 2060 ▶

- High manufacturing standards for the longest lifecycle.
- High efficiency direct drive fans.
- First class dynamic balancing (lowest vibrations)
- Temperature rating up to 120°C.
- Variable frequency drive.
- Up to 2000 Pa total pressure.

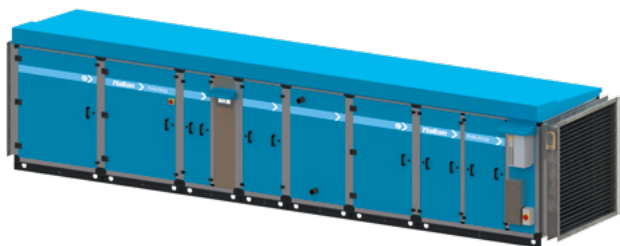
## FF Fan Fire Rated



◀ PST 1/7: 1560  
PST 8/10: 2060 ▶

- High manufacturing standards for the longest lifecycle.
- High efficiency direct drive fans.
- First class dynamic balancing (lowest vibrations)
- Temperature rating up to 400°C.
- Serves for both duty and fire mode.
- Variable frequency drive.
- Up to 2000 Pa total pressure.

## OUTDOOR INSTALLATION



PolluStop PEU, Aerolys AEU and Extenso XEU units can be installed externally. In such cases a special weatherproof roof will be supplied. The touch screen can still be installed on the unit if required as it is protected to IP65.

## SOUND ATTENUATION

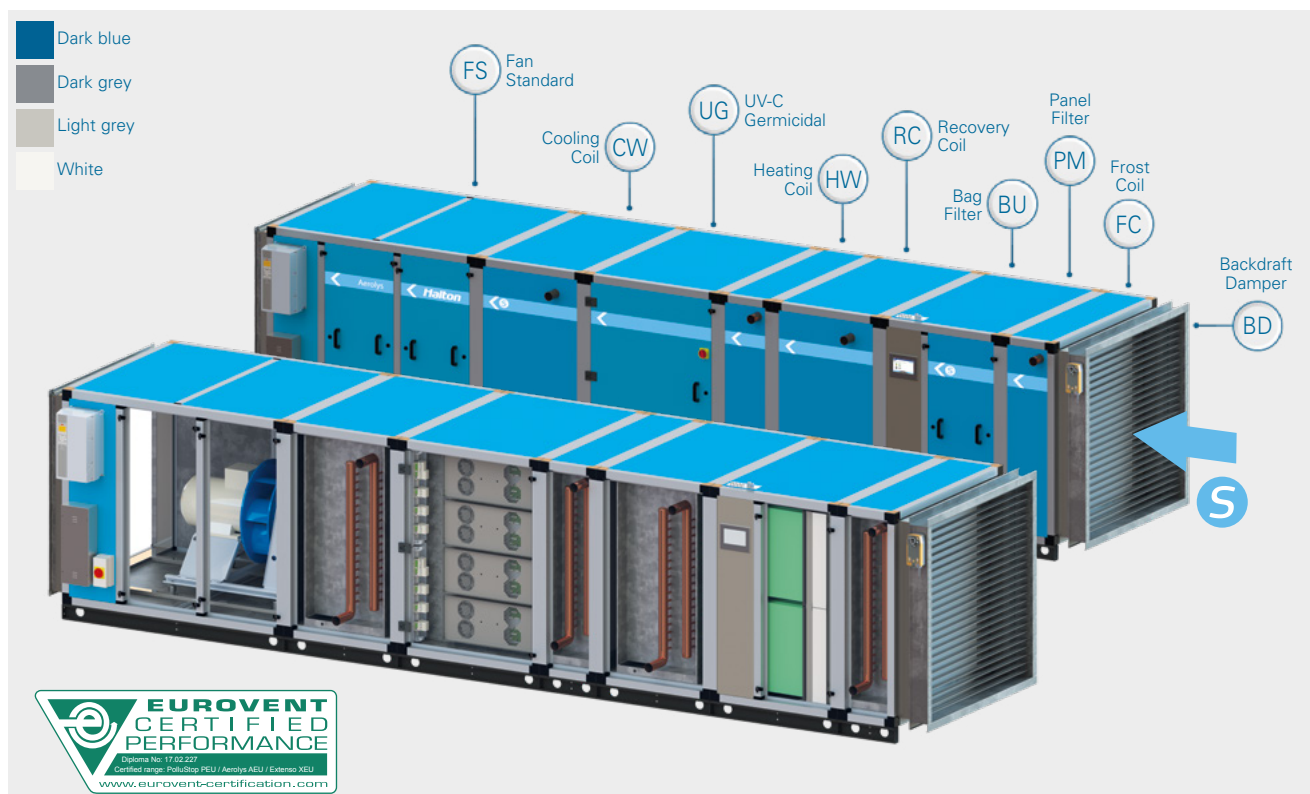


Built-in attenuators are available for PolluStop PEU, Aerolys AEU and Extenso XEU units with the option of Melinex lining for polluted airstreams. Intended for the reduction of in-duct noise transmission. Standard construction is 100 mm Airways & 200mm Splitters, with 900 mm, 1200 mm and 1500 mm length options. For specific noise requirements, consider seeking professional acoustic advice.

# Aerolys AEU

## SUPPLY UNIT WITH AIR QUALITY CONTROL AND HEAT RECOVERY

EUROVENT accredited, "Urban Pack" Filters, Dual skin



### APPLICATIONS

The Aerolys AEU range of supply air-handling units has been developed to work alongside, and complement, the successful range of PolluStop PEU pollution control units.

The primary function of the Aerolys AEU supply unit is not just simply to introduce replacement air back into a commercial kitchen, but to ensure that the quality of that air is as good as it possibly can be.

As with the PolluStop PEU range, Aerolys AEU has been conceived on the basis of individual modules which are then selected based on whatever specific requirements are called-for by a given project.

- Eurovent accredited.
- Specially developed for kitchens in dense urban areas.
- Wide range of units, from 3,240 to 38,880 m<sup>3</sup>/h (0.9 to 10.8 m<sup>3</sup>/s)
- If selected, can work in conjunction with the energy recovery coil incorporated in a PolluStop PEU exhaust unit, offering either air-to-air or air-to-water heat transfer, or a combination of both.
- Has options for low temperature hot water, indirect gas or electric heating facilities.
- Has options for chilled water or direct expansion (dx) cooling facilities.

- Attenuators for reducing in-duct noise levels can be provided.
- Features Halton's unique "Urban Pack" which is a combination of ultra high-efficiency Panel filters, impregnated long-pocket Bag filters and germicidal non-ozone-producing UV lamps. This combination works to ensure the cleanest and most bacteria-free replacement air for the kitchen, its food and its staff.
- Fully integrated into the Halton Control Platform
- External insulated panelling available in 4 colour options (dark blue, light grey, dark grey or white).
- Acoustic insulation built into the unit's double-skin panels.
- All in one control system for monitoring the filter pressure losses, controlling the speed of the fan and monitoring the UV-C lamps.
- External installation possible. There are a number of additional service possibilities, such as variable frequency drive and other monitoring systems.



Halton Foodservice participates in the Eurovent Certified Programme for Halton AHU range of exhaust and supply units (PolluStop PEU, Aerolys AEU and Extenso XEU). Diploma: 17.02.277.

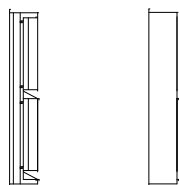
Check on-going validity of certificate: [www.eurovent-certification.com](http://www.eurovent-certification.com)

## SPECIFICATIONS AND DIMENSIONS

| AEU size*      | 01   | 02   | 03   | 04    | 05    | 06    | 07    | 08    | 09    | 10    |
|----------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| Airflow [m³/h] | 3240 | 6480 | 9720 | 12960 | 16200 | 19440 | 24300 | 29160 | 34020 | 38880 |
| Airflow [m³/s] | 0.9  | 1.8  | 2.7  | 3.6   | 4.5   | 5.4   | 6.75  | 8.1   | 9.45  | 10.8  |
| Height [mm]    | 750  | 750  | 1350 | 1350  | 1350  | 1350  | 1950  | 1950  | 1950  | 1950  |
| Width [mm]     | 730  | 1330 | 1030 | 1330  | 1630  | 1930  | 1630  | 1930  | 2230  | 2530  |

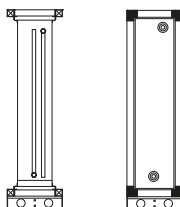
\* Sizes 11 to 14 on request, for exhaust airflow rates up to 68,880 m³/h (18 m³/s)

### SL Sand Louvre



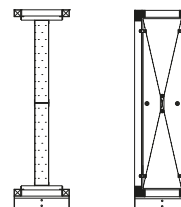
205

### FC Frost Coil



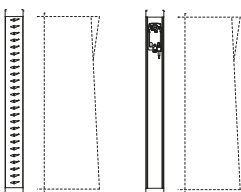
400

### PM Panel Filter M5



400

### BD Backdraft Damper



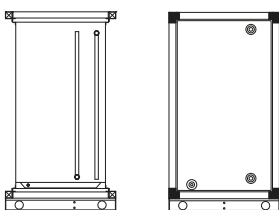
130

- Motorised shut off damper.
- Protects AHU from ingress of moisture and cold air.
- Fabricated from galvanized sheet steel.

- Purpose: Protect the unit from the ingress of outside air cold enough to damage the items of plant.
- Typically, would raise the temperature of the incoming air to 5°C.
- Copper pipework with aluminium fins.
- Number of rows determined by the specific duty.
- 3-way diverting valve set available if required.
- Generally assumed that a LPHW (Low Pressure Hot Water) supply is available on site.
- Built according to EN 1886:2007.

- Purpose: Remove medium/fine particles.
- Grade: Ultra high efficiency pleated filter M5 (EU5).
- Efficiency > 97% for 5 microns particles and above.
- Media: Synthetic glass fibre paper.
- Built according to EN 1886:2007.
- A component of the Halton Urban Pack where the quality of the incoming air must be to an extremely high standard.
- 100% incinerable.

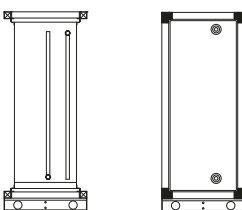
### CW Chilled Water Coil



◀ 800 ▶

- Copper pipework with aluminium fins.
- Number of rows determined by the specific duty.
- As standard includes moisture eliminators.
- Complete with drain pan and connection.
- Generally assumed that a chilled water supply is available on site.
- 3-way modulating valve available if required.
- Built according to EN 1886:2007.

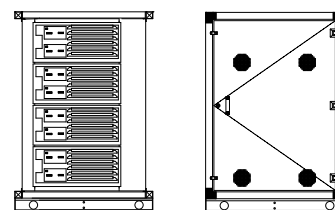
### HW Heating Coil Low Pressure Hot Water



◀ 600 ▶

- Can be used as Frost and/or Duty coil.
- Copper pipework with aluminium fins.
- Number of rows determined by the specific duty.
- 3-way modulating/diverting valve set available if required.
- Generally assumed that a LPHW (Low Pressure Hot Water) supply is available on site.
- Built according to EN 1886:2007.

### UG UV-C Treatment Germicidal



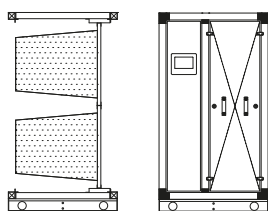
◀ 1000 ▶

- Purpose: For use in Aerolys AEU units where removal/reduction of bacteria is required (part of Halton's "Urban pack" offering).
- Includes non-ozone producing UV lamps inside quartz sleeves.
- A component of the Halton Urban Pack where the quality of the incoming air must be to an extremely high standard (hospitals, care homes, public buildings, etc).
- Built according to EN 1886:2007.

HE HG Also Gas and Electric options

| Module                              | Pressure Loss $\Delta P$ [Pa] |            |          | Lifetime depending on the application [weeks] |              |        |
|-------------------------------------|-------------------------------|------------|----------|-----------------------------------------------|--------------|--------|
|                                     | Clean                         | Dirty      | Overload | Rural                                         | Semi-rural   | Urban  |
| FC Frost Coil                       |                               | 20 to 50   |          | -                                             | -            | -      |
| PM Panel Filter (M5)                | 60                            | 150        | 250      | 8..10                                         | 4..8         | 3      |
| CW Chilled Water Coil               |                               | 150 to 200 |          | -                                             | -            | -      |
| HW Heating Coil (LPHW)              |                               | 20 to 50   |          | -                                             | -            | -      |
| UG UV-C Treatment (Germicidal)      |                               | 50         |          |                                               | 13,000 hours |        |
| BU Bag Filter (Urban, Long Pockets) | 85                            | 250        | 450      | 35..45                                        | 25..35       | 15..25 |
| BL Bag Filter (Long Pockets)        | 130                           | 250        | 450      | 35..45                                        | 25..35       | 15..25 |
| RC Recovery Coil                    |                               | 150..250   |          | -                                             | -            | -      |

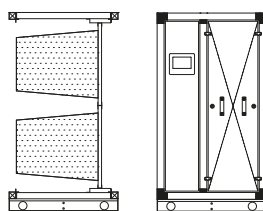
### BU Bag Filter Urban, Long Pockets



◀ 790 ▶

- Purpose: Remove fine particles and reduce toxic gases.
- Grade: F7 (EU7), 10 long pockets.
- Media: Glass fibre and broad spectrum carbon. Carbon impregnation to reduce toxic gases.
- Efficiency >88% for 0.4 microns particles and above.
- A component of the Halton Urban Pack where the quality of the incoming air must be to an extremely high standard (hospitals, care homes, public buildings, etc).
- Built according to EN 1886:2007.

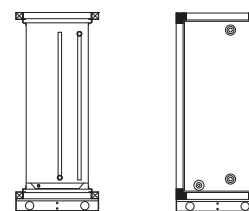
### BL Bag Filter Long Pockets



◀ 800 ▶

- Purpose: Remove medium/fine particulate.
- Grade: F9 (EU9), 12 long pockets.
- Efficiency >96% for 0.4 microns particles and above.
- Media: Fibreglass
- Built according to EN 1886:2007.

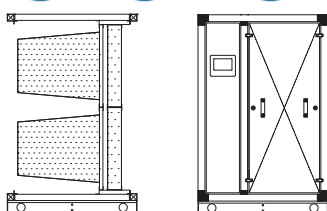
### RC Recovery Coil



◀ 600 ▶

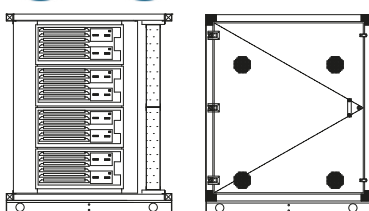
- Approximately efficient to 45-50% heat transfer.
- Ideally suited to either air-to-air or air-to-water transfer, or both.
- No risk of cross contamination.
- Can transfer coolth under certain summer conditions.
- Copper pipework with aluminium fins.
- Number of rows determined by the specific duty.
- Includes moisture eliminators.
- Pressurisation set available if required.
- Built according to EN 1886:2007.

### PM + BU or BL



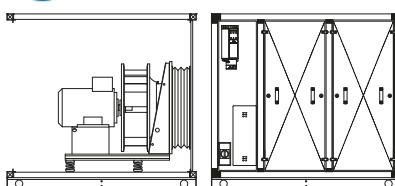
◀ 940 ▶

### PM + UG



◀ 1200 ▶

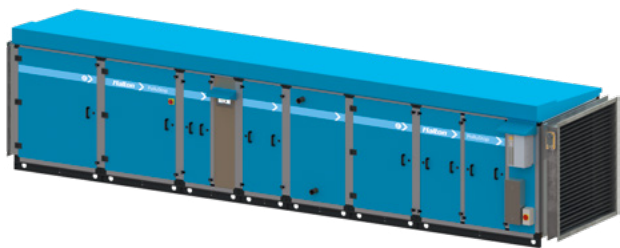
### FS Fan Standard



◀ 1560 ▶

- High manufacturing standards for the longest lifecycle.
- High efficiency direct drive fans.
- First class dynamic balancing (lowest vibrations)
- Temperature rating up to 40°C.
- Variable frequency drive.
- Up to 2000 Pa total pressure.

## OUTDOOR INSTALLATION



PolluStop PEU, Aerolys AEU and Extenso XEU units can be installed externally. In such cases a special weatherproof roof will be supplied. The touch screen can still be installed on the unit if required as it is protected to IP65.

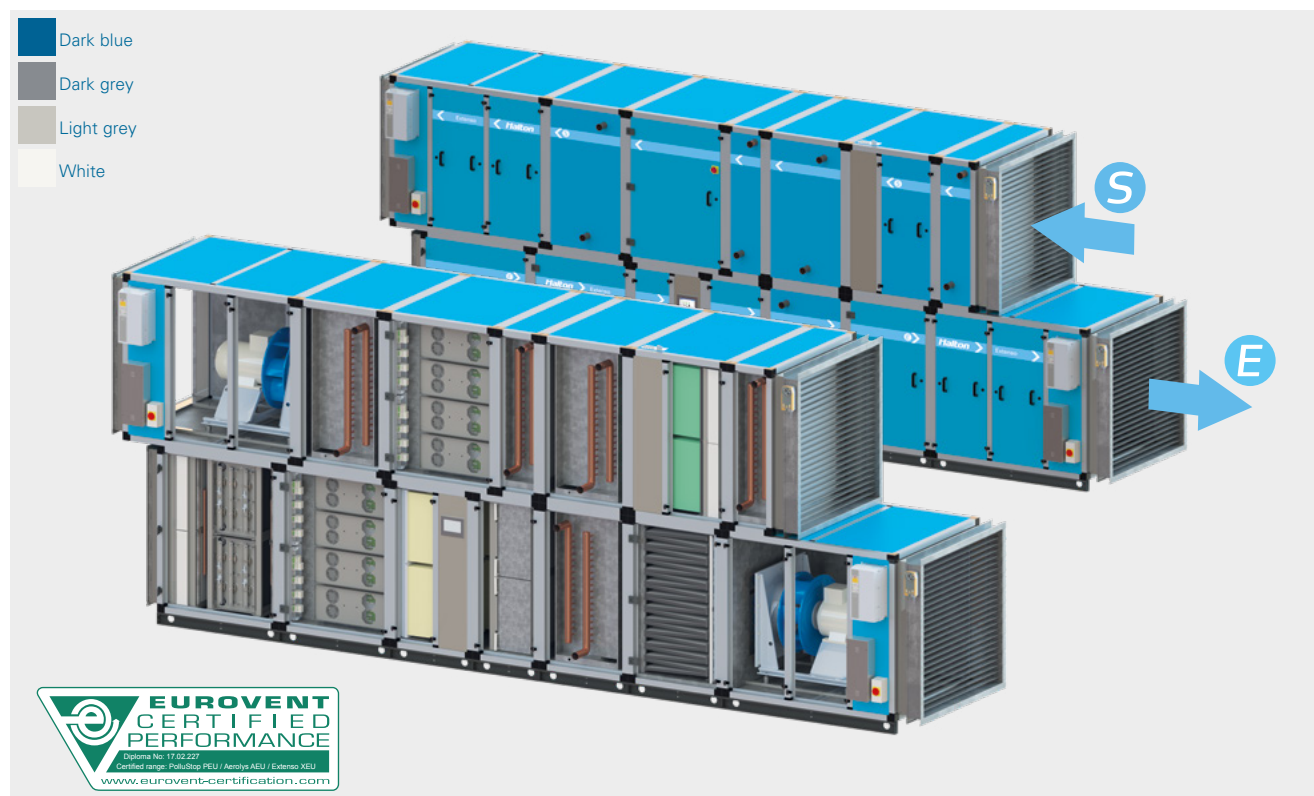
## SOUND ATTENUATION



Built-in attenuators are available for PolluStop PEU, Aerolys AEU and Extenso XEU units with the option of Melinex lining for polluted airstreams. Intended for the reduction of in-duct noise transmission. Standard construction is 100 mm Airways & 200 mm Splitters, with 900 mm, 1200 mm and 1500 mm length options. For specific noise requirements, consider seeking professional acoustic advice.

## Extenso XEU COMBINED SUPPLY AND EXHAUST UNIT

EUROVENT accredited, pollution and air quality control, heat recovery, smaller footprint



### APPLICATIONS

#### 2 world-class products in a single package!

The Extenso XEU range of “combined” air-handling units is offered as a solution for those projects requiring PolluStop PEU pollution control and Aerolys AEU supply air-handling to be provided as a single, compact and integrated unit.

Extenso XEU combined unit provides all the features and options that are available from the individual PolluStop PEU and Aerolys AEU ranges of units, but with the added benefit that the single “footprint” of Extenso XEU is half that of the separate units. This can be of particular benefit on those projects where Plant Room, or rooftop, space is at a premium.

- Specially developed for kitchens in dense urban areas.
- Wide range of units, from 3,240 to 38,880 m³/h.
- Can be configured as either “stacked” (one on top of the other), or “alongside” (side-by-side)
- If selected, can incorporate matched energy recovery coils offering either air-to-air or air-to-water heat transfer, or a combination of both
- Fully integrated into the Halton Control Platform
- External insulated panelling available in 4 colour options (dark blue, light grey, dark grey or white).

- Respects the neighbourhood due to minimal cooking odours.
- Saves energy due to the integrated heat recovery coil, sustainable over time.
- Acoustic insulation built into the unit's double-skin panels.
- All in one control system for monitoring the filter pressure losses, controlling the speed of the fan and monitoring the UV-C lamps.
- The three systems are controlled with one interface: the Halton Touch Screen.
- External installation possible. There are a number of additional service possibilities, such as variable frequency drive and other monitoring systems.



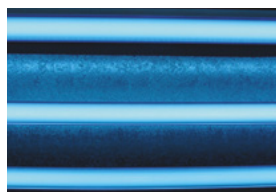
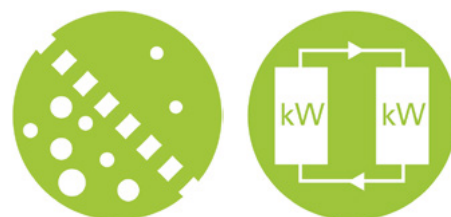
Halton Foodservice participates in the Eurovent Certified Programme for Halton AHU range of exhaust and supply units (PolluStop PEU, Aerolys AEU and Extenso XEU). Diploma: 17.02.277.

Check on-going validity of certificate: [www.eurovent-certification.com](http://www.eurovent-certification.com)

# Halton expertise and innovations

## AIR QUALITY CONTROL & HEAT RECOVERY ON SUPPLY

Conditioning air for professional kitchens is not only a question of temperature and the quality of the air. It is also a question of correct balance between supply and exhaust as well as energy efficiency. Halton Foodservice-specific supply-air units address the highest levels of safety, comfort and energy efficiency.



## AIR DIFFUSION



Badly designed supply-air diffusion can easily distort the cooking plume and disrupt the working conditions. Halton has a unique range of Foodservice-specific diffusers and the expertise to ensure the highest level of air distribution.

## EMISSIONS CAPTURE



Complete capture of the cooking effluent with the lowest possible energy consumption is the contribution from Halton's Capture Jet™ hoods and ventilated ceilings as well as for specific solutions such as theatre cooking.

## MECHANICAL GREASE FILTRATION



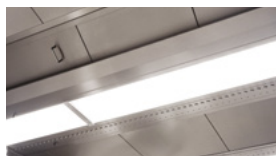
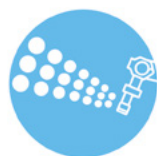
Halton's highly efficient mechanical filters reduce the build-up of grease deposits inside the ductwork. They improve fire safety and hygiene levels and reduce ductwork cleaning costs.

## SPECIFIC LOCAL GREASE & ODOUR FILTRATION PROCESSES



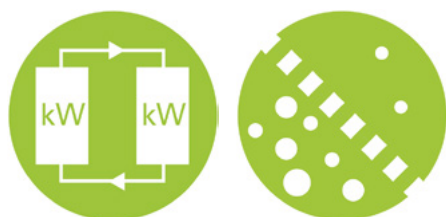
Bring your safety to the highest level and prevent neighbourhood complaints with specific grease and odour treatment processes installed within Halton's exhaust devices... including solid fuel specific solutions.

## AUTOMATIC CLEANING



Focus on your core business of preparing and delivering food whilst Halton washes down the filters and exhaust plenums automatically for you and reduces your maintenance costs.

# at every step!



## POLLUTION CONTROL & HEAT RECOVERY ON EXHAUST

Returning the air to atmosphere in at least as good a condition as when it was taken in represents a real challenge. To reach that goal, Halton's range of exhaust units is based on the most efficient emission control technologies and enables the establishment of professional kitchens anywhere. They also ensure the highest efficiency for heat recovery.



## AIRFLOW & ENERGY MANAGEMENT

Enjoy the highest energy savings among all airflow optimisation systems available in the market thanks to M.A.R.V.E.L. Always keep an eye on your restaurant with Halton's remote control and monitoring tools.



## ADVANCED & INTUITIVE CONTROLS

Due to the successful Halton Control Platform, whatever the number of technologies you have in your kitchen, you will always have your kitchen at your fingertips. Haltons Touch Screen provides a simple and intuitive interface.



## FIRE SUPPRESSION

Fire hazard is a major concern in today's professional kitchens. Halton pre-engineers and factory pre-installs Ansul fire suppression systems for an aesthetically-pleasing system with HACCP certification.



## DUCT MONITORING

With the prevention of grease build-up and fire extinguishing systems, it only remains for duct monitoring to complete this safety circle. Halton's duct monitoring systems provide an alarm to indicate that cleaning is required.



## RECYCLING UNITS

Whether it comes to moving the show among the guests or installing a small kitchen devoid of a ventilation system, Halton's highly efficient recycling units unleash countless business opportunities.



# With Halton solutions, get a

## The four cornerstones of a High Performance Kitchen

A professional kitchen is a very demanding environment in which ventilation is always a challenge. Each technology, system or product developed by Halton is exclusively designed to combine one or more of the following objectives and this at every step of a kitchen ventilation system:

- Energy efficiency;
- Indoor Environment Quality (IEQ);
- Food or Fire Safety;
- Controlled Emissions.



### Energy Efficiency

At 800 kWh/m<sup>2</sup>, the catering business is the most energy-consuming activity out of all commercial and residential buildings in the United States, far ahead of the hospital sector (at 600 kWh/m<sup>2</sup>) (1). All things being equal, this observation may also be considered valid in Europe and in many other countries. It makes energy performance the most important aspect of the "High Performance Kitchen" concept.

### Indoor Environment Quality (IEQ)

Lack of staff is one of the major challenges faced by commercial catering. The low appeal of the chef's profession is largely due to unpleasant thermal comfort. This is related to air temperature and speed, the heat radiated by cooking appliances and humidity. The Indoor Environment Quality (IEQ) is a wider notion that also encompasses lighting quality, sound pressure levels and visual comfort. All of these factors can be improved with a correctly designed and properly dimensioned air ventilation and conditioning system.

# High Performance Kitchen



## Safety

Many restaurants today do not re-open after a major safety incident. Operators or owners not only have to deal with the interruption of business, but also face up to their responsibilities to the building's other tenants, customers, third parties, or cope with bad press. Safety is de facto a major concern in professional kitchens.

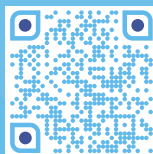
## Controlled Emissions

It is highly likely that future legislation may well stipulate that "fresh" air used for any process must be discharged back into the atmosphere at the same quality as that at which it was taken in. This will represent a real challenge for catering establishments in dense urban areas.

## Halton solutions combine the four cornerstones, at all steps, to get High Performance Kitchens

Our innovations constantly supply the widest and most efficient technical range in the field of kitchen ventilation. This enables our design to combine the four cornerstones at all steps of your kitchen ventilation. It generates a powerful synergy that leads to a High Performance Kitchen. A kitchen where efficiency works "hand-in-glove" with wellbeing.

(1) Energy Efficiency in Buildings, Transforming the Market (WBCSD World Business Council for Sustainable Development)



[www.halton.com/foodservice](http://www.halton.com/foodservice)

#### Halton Manufacturing Facilities

##### France

Halton Foodservice  
Zone Technoparc Futura  
CS 80102  
62402 Béthune Cedex  
Tel. +33 (0)1 80 51 64 00  
Fax +33 (0)3 21 64 55 10  
[foodservice@halton.fr](mailto:foodservice@halton.fr)  
[www.halton.fr](http://www.halton.fr)

##### Germany

Halton Foodservice  
Tiroler Str. 60  
83242 Reit im Winkl  
Tel. +49 8640 8080  
Fax +49 8640 80888  
[info.de@halton.com](mailto:info.de@halton.com)  
[www.halton.de](http://www.halton.de)

##### United Kingdom

Halton Foodservice  
11 Laker Road  
Airport Industrial Estate  
Rochester, Kent ME1 3QX  
Tel. +44 1634 666 111  
Fax +44 1634 666 333  
[foodservice.uk@halton.com](mailto:foodservice.uk@halton.com)  
[www.halton.com](http://www.halton.com)

##### USA

Halton  
101 Industrial Drive  
Scottsville, KY 42164  
Tel. +1 270 2375600  
Fax +1 270 2375700  
[sales.us@halton.com](mailto:sales.us@halton.com)  
[www.halton.com](http://www.halton.com)

##### Canada

Halton Indoor Climate Systems  
1021 Brevik Place  
Mississauga, Ontario  
L4W 3R7  
Tel. +905 624 0301  
Fax +905 624 5547  
[sales.ca@halton.com](mailto:sales.ca@halton.com)  
[www.halton.com](http://www.halton.com)

##### Brazil

Halton Refrin  
Rua Antonio de Napoli, 539 Parada de  
Taipas  
CEP 02987-030  
São Paulo - SP  
Tel. +55 11 3942 7090  
[vendas@haltonrefrin.com.br](mailto:vendas@haltonrefrin.com.br)  
[www.haltonrefrin.com.br](http://www.haltonrefrin.com.br)

##### Asia Pacific

Halton Group Asia Sdn Bhd  
PT 26064  
Persiaran Teknologi Subang  
Subang Hi-Tech Industrial Park  
47500 Subang Jaya, Selangor  
Tel. +60 3 5622 8800  
Fax +60 3 5622 8888  
[sales@halton.com.my](mailto:sales@halton.com.my)  
[www.halton.com](http://www.halton.com)

##### China

Halton Ventilation  
浩盾通风设备 (上海) 有限公司  
Room 701, No.2277 Longyang Road,  
Pudong New District  
201204 Shanghai  
Tel. +86 (0)21 6887 4388  
Fax +86 (0)21 6887 4568  
[halton.cn@halton.com](mailto:halton.cn@halton.com)  
[www.halton.cn](http://www.halton.cn)

Halton has a policy of continuous product development, therefore we reserve the right to modify design and specifications without notice. For more information, please contact your nearest Halton agency.

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the publisher, except in the case of brief quotations embodied in critical reviews and certain other non commercial uses permitted by copyright law.