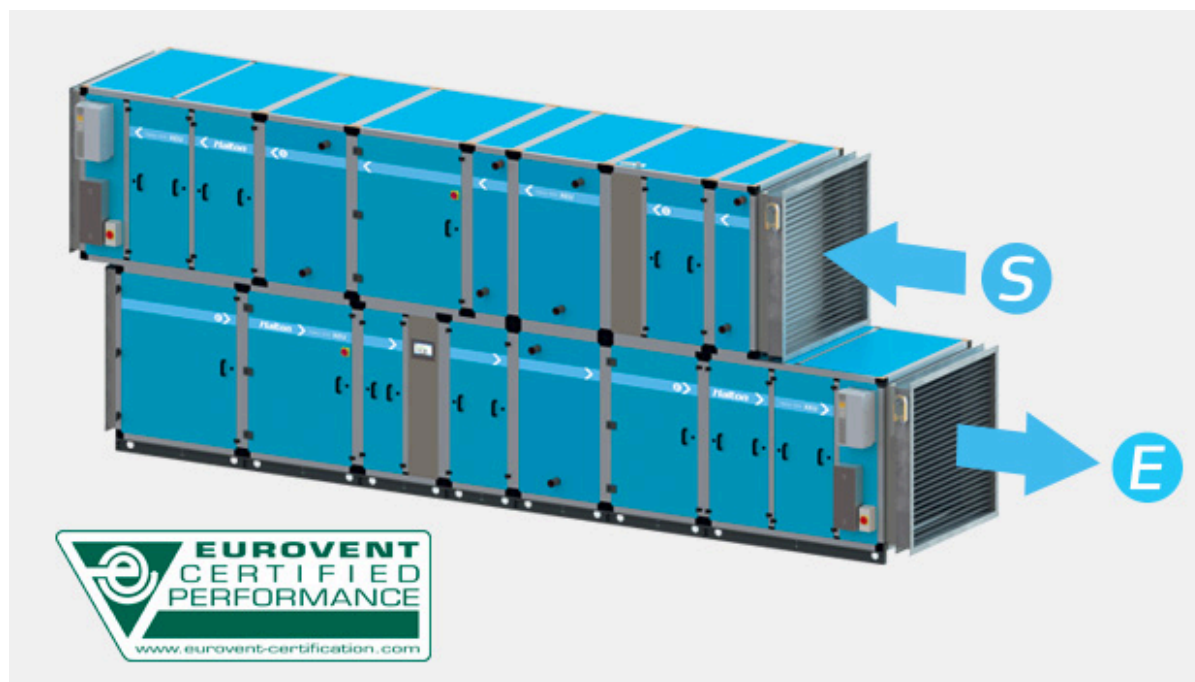


XEU – Extenso exhaust and supply Air Handling Unit (CE)



Overview

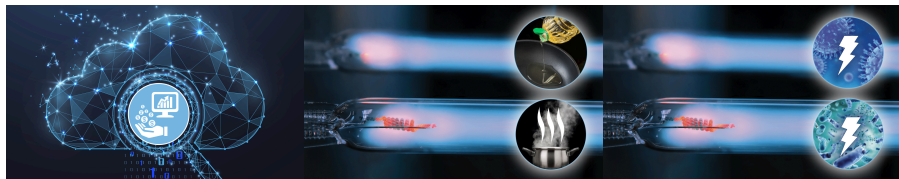
Extenso, 2 high-end products in a single package!

The **Extenso** XEU range is a solution for those projects requiring **PolluStop** and **Aerolys** supply and exhaust air handling units to be provided as a single, compact and integrated unit. The single “footprint” of the unit is then 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. **Extenso** units also simplify the combination of both air-to-air and air-to-water heat recovery within a single compact unit.

Extenso units provide all the features and options that are available from the individual **PolluStop** and **Aerolys** ranges. They allow safely establishing the restaurants wherever you chose i.e. where they are of most value. Chefs and their teams benefit from the healthiest fresh air and the ventilation fulfils the strongest hygiene requirements. When combined with **M.A.R.V.E.L.** the energy savings are unrivalled.

- Specially developed to establish restaurants in dense urban areas or when the quality of the incoming air must be to an extremely high standard (hospitals, care homes, public buildings etc).
- 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).
- Can incorporate matched energy recovery coils offering either air-to-air or air-to-water heat transfer, or a combination of both.
- Other characteristics and benefits similar to [PolluStop PEU](#) and [Aerolys AEU](#) air handling units.

More about the main embedded technologies



Halton Connect

Capture Ray™

Halton SafeGuard
Risk UVGI

Tietoja Halton Connect & Caresta



Halton Connect on pilvipohjainen IoT-alusta, joka mahdollistaa Haltonin suunnittelemien ratkaisujen etävalvonnan ja -käytön. Etävalvonnan ansiosta mahdolliset vikatilanteet voidaan ratkaista kustannustehokkaasti ja nopeasti. Myös vuosihoitojen ja tarkastusten suunnittelu ja toteuttaminen on yksinkertaista, ja asiakas voi olla varma että hänen järjestelmänsä on aina oikein huollettu.

Olosuhteet kohteissa muuttuvat, joten myös järjestelmien on pysyttävä muutoksessa mukana. Haltonin huoltosopimusasiakkaat saavat käyttöönsä etävalvonnan lisäksi tehostustyökalut ja monipuolisen raportoinnin. Näin järjestelmää voidaan helposti muokata ja optimoida koko sen elinkaaren ajan.

Halton Connect **ammattikeittiön ilmanvaihtoon**

About Eurovent certificate



www.eurovent-certification.com

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-](http://www.eurovent-certification.com)

Ranking of Halton Aerolys (AEU), PolluStop (PEU) and Extenso (XEU) units

As part of this programme, the model box of Halton Air Handling Units has been tested according to 6 targets.

The scores Halton AHUs reached on each target are detailed below.

D3 D2 D1

Casing strength (CS) – **Class D1(R*)**
Max Deflection CS ≤ 4 mm

T5 T4 T3 T2 T1

Thermal Transmittance (TT) – **Class T4**
Max transmittance $1,4 < TT \leq 2,0 \text{ W/m}^2 \text{ K}$

TB5 TB4 TB3 TB2 TB1

Thermal Bridging Factor (TBF) – **Class TB4**
Max Bridging $0,30 < TBF \leq 0,45$

L3 L2 L1

Casing Air Leakage (CAL400) – **Class L3(R*)**
Max leakage $0,44 < CAL400 \leq 1,32 \text{ l/s m}^2$

L3 L2 L1

Casing Air Leakage (CAL700) – **Class L3(R*)**
Max leakage $0,63 < CAL700 \leq 1,9 \text{ l/s m}^2$

G1-F5 F6 F7 F8 F9

Filter Bypass Leakage (FBL) – **Class F9(R*)**
Max bypass FBL ≤ 0,5%

More about the [targets and what they mean](#).

* R stands for Real Unit (M stands for Model Box).

Acoustical insulation [dB]

Frequency [Hz]	125	250	500	1000	2000	4000	8000
Insulation [dB]	13	17	31	32	33	36	42