



## SITE HEALTH CHECK SERVICE



Ensuring a clean bill of health  
for your Air Handling and  
Packaged Heat Recovery units.





## PROUD TO BUILD BRITISH

Founded in 1966, Nuaire has a long and admired heritage in designing and manufacturing ventilation products that save energy and improve air quality. Based in South Wales, we supply products to over 40 countries around the world. Our product development team create multi award-winning ventilation systems that are used in a wide range of applications, from hotels and houses to oil rigs and food processing plants.

Renowned for exceptional quality, Nuaire was the first fan manufacturer in the world to achieve the ISO9001 quality standard. Our state-of-the-art facilities operate with minimal impact on the environment, driven by ambitious targets to drive forward green manufacturing practices.

People are what give the Nuaire brand its unique personality. Today we employ over 527 people worldwide. A committed team enable Nuaire to offer the professionalism, technical expertise and excellent customer service that have become synonymous with the Nuaire brand. From meeting building regulations to meeting short lead times, we deliver on product, price and service.

Nuaire prides itself on its close relationship with its many customers and following extensive feedback will be offering this new Health Check Service for its Packaged Heat Recovery and Air Handling units.



# HEALTH CHECK APPLICABLE RANGES

## BOXER PACKAGED SOLUTION (BPS)

PACKAGED HEAT RECOVERY

### Features:

- Up to 6m<sup>3</sup>/s
- Horizontal & vertical formats
- Plate HX and thermal wheel up to 94% efficient
- Heating coil options (LPHW & electric)
- Cooling options (Chilled water, DX cooling)
- DX package of Mitsubishi condenser with integrated PAC control (for use with Connect & Adapt units).
- Ecosmart control platform (including Classic, Connect, Adapt Trend & Adapt Siemens)
- 5 year warranty

## XBC75/85

PACKAGED HEAT RECOVERY

### Features:

- Up to 2m<sup>3</sup>/s
- Horizontal & vertical formats
- Counterflow heat recovery up to 96% efficient
- Heating coil options (LPHW, electric – with option of DX cooling)
- Ecosmart control platform (including Classic, Connect, Adapt Trend & Adapt Siemens)
- 5 year warranty

## BESPOKE

(Tailor made modules)

AIR HANDLING UNITS

### Features:

- Dedicated AHU specialist team with over 15 years AHU experience
- ErP compliant bi-directional packaged systems with reclaim up to 8m<sup>3</sup>/s
- Supply & exhaust systems up to 18m<sup>3</sup>/s
- Range of HX including run around coils, plate and thermal wheel HX
- Extensive heating and cooling options
- Standard grade range of filtration including G4 panel, M5, F7 and F9 bag options to meet ErP requirements
- Wide range of ancillaries including carbon impregnated bag filters

Please contact Nuair Commercial Office on **+44 (0) 29 2085 8200** if you have a specific request for other XBC models not listed above.

# CONTROL SOLUTIONS

Nuaire was the first ventilation manufacturer to introduce low voltage energy saving control systems onto its products. Nuaire continues to lead the industry with its proven ECOSMART controls platform consisting of ECOSMART CONNECT and ECOSMART ADAPT TREND & ADAPT SIEMENS network control solutions.

BPS & XBC75/85 can be used with any of the Ecosmart controls platform. Nuaire's Bespoke AHU has no control as standard making it a very flexible solution on site with the benefit of being able to be fitted with any manufacturer's control on site (by others).



**ECOSMART CLASSIC...**  
was the first 'plug and play' control on the market and has been a core Nuaire product for the last 15 years.



**ECOSMART CONNECT...**  
enhances Nuaire's offering with full BMS integration via BACnet MS/TP (expandable to IP with additional router). Multifunction sensors are available in one small compact unit.



**ECOSMART ADAPT...**  
provides a totally adaptable solution specific to site requirements allowing other leading controllers such as Siemens and Trend to be incorporated. All controllers are functionally tested before leaving Nuaire's manufacturing facility.



# WHAT IS A HEALTH CHECK?

The Health Check is a service that will ensure your Nuaire unit is working as per the recommendations in the Nuaire installation and maintenance guidance documents. The unit is then ready for its commissioning procedure (by others).

**Below and overleaf are checklists used by the Health Check Engineer whilst on site:**

A UNIT		
1	Has the unit been assembled correctly	✓
2	Are all modular internal plugs connected	✓
3	Are fans rotating in correct direction	✓
4	Are all heating coils free from damage when visually inspecting	✓
5	Are the filters in good condition	✓
6	Are differential pressure switches and pipework in good condition	✓
7	Has the condensate been connected correctly	✓
8	Any non-warranty observations on the system	✓
9	Any warranty observations on the system	✓
B THERMAL WHEEL/HEAT EXCHANGER		
10	Is the thermal wheel rotating and operating correctly	✓
C HEAT EXCHANGER		
11	Is the HX block free from damage when visually inspecting	✓
12	Does the bypass damper operate correctly	✓

## SITE HEALTH CHECK SERVICE

D CONTROL		
13	Is the power supply connected correctly to the control	✓
14	Have all remote sensors been connected correctly	✓
15	Are the control set points to site requirement	✓
16	Are the inlet/outlet dampers operating correctly	✓
17	Has the ESCO-LCD (Ecosmart Connect) been locked with a password	✓
18	Is the frost coil operating	✓
19	Is the heater battery operating correctly	✓
E DX		
20	Is the wiring correct between the PAC board and condenser	✓
F CUSTOMER HANDOVER/DEMO		
21	Advise of FAQ on unit and control system	✓
22	Advise of service/maintenance intervals	✓
23	Advise where spare parts such as filters can be obtained	✓
24	Advise that Handover/Demo can be carried out on separate visit*	✓

\*The Nuair Engineer will try to ensure that Healthcheck is carried out in one day dependent on site limitations. However, if necessary the Customer Handover/Demo can be re-arranged for another date however an additional charge will apply.

# NUAIRE HEALTH CHECK PROCESS

- **Obtaining a Health Check Quotation** – if the project has already been quoted you should be in receipt of a Nuaire Quote however, if you require a quotation please contact the Commercial office on +44 (0) 29 2085 8200 (or alternatively email: [enquiries@nuaire.co.uk](mailto:enquiries@nuaire.co.uk)).
- **Booking a Health Check Engineer** – if you wish to proceed with the Health Check then please contact the Nuaire Service Department +44 (0) 29 2085 8400. One of the Health Check administrators will contact you within 24 hours to discuss your requirement.

Note: the lead time for this service for an engineer to attend site is within 4 weeks. However, this depends on availability of engineers. Nuaire will try to accommodate your requirements and fit in with your schedule.





**NUAIRE. FOR THE COMPLETE VENTILATION SOLUTION**

**T +44 (0) 29 2085 8200 E [INFO@NUAIRE.CO.UK](mailto:INFO@NUAIRE.CO.UK)**

**W [NUAIRE.CO.UK/COMMERCIAL](http://NUAIRE.CO.UK/COMMERCIAL) [@NUAIREGROUP](https://twitter.com/NUAIREGROUP)**