

TROX PWX FANCOIL CHOSEN FOR TWO CHAMBERLAIN SQUARE, BIRMINGHAM

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TROX has been selected by BAM Construction and development management firm Argent to supply PWX fancoils for the second building at Paradise, Birmingham - Two Chamberlain Square. The 183,000 sq ft office building, the vision of Glenn Howells architects, will join the first building in offering a cumulative 350,000+ sq ft of Grade 1 office space as part of the Paradise masterplan. Inspired by the Victorian architecture of the city's Grade 1 listed Town Hall and Council House, the building presents a strong facade with elegant, slender columns which run its full height, before stepping back at the sixth floor with a roof terrace. With this aesthetic philosophy in mind and elite technology in hand, the Paradise development is set to reinstate Birmingham's civic heart and bring the city into the future whilst celebrating some of the UK's finest Victorian architecture and the legacy of Joseph Chamberlain.

The TROX PWX fancoil range was an ideal choice for the air conditioning system at Two Chamberlain Square, where comfort of building occupants and energy efficiency are key priorities. Launched in 2017, the PWX fancoil was the result of an extensive research and development programme in which TROX rejected incremental product enhancements in favour of a comprehensive rethink of fancoil technology. When developing the PWX range, TROX put the new fancoils through thorough in-house testing, using their in-house test chamber (constructed to comply with ASHRAE 79, BS1397 and EUROVENT 6/3), in addition to extensive corroboration of results at an independent test facility. As a result, specifiers of PWX fancoils are able to input exact performance criteria for an extremely wide range of thermal and acoustic scenarios when planning their air conditioning schemes, instead of having to rely on less reliable 'anticipated' or 'expected' data. The TROX PWX range is therefore able to speed up the specification of projects significantly, streamline installation and commissioning, and provide valuable environmental and cost benefits whilst reducing levels of risk.

TROX PWX units feature new inlet attenuators, inlet plenums and discharge attenuators capable of achieving outstanding performance across a wide range of applications. SFPs across the range comply with and exceed Part L requirements, with typical values between 0.15 to 0.25 W/(l/s) at 30 Pa ESP. The availability of in-house testing laboratories at TROX's factory in Thetford means that fancoil performance can be trialled and tested during the design phase, ahead of installation, to speed-up and streamline projects and to assist best-in-class system design.

Main image: Credit Glenn Howells Architects

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[Link to Type PWX fancoil unit.](#)

TROX is a global leader in the development, manufacture and sale of components, units and systems for the ventilation and air conditioning of rooms. With 27 subsidiary companies in 25 countries on 5 continents, 14 production facilities, and importers and representatives, TROX is present in over 70 countries. The TROX GROUP currently has nearly 4,000 employees and generates revenues of roughly 500 million euros.

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