



## TOTTENHAM HOTSPUR EXPERIENCE

### TOTTENHAM | LONDON

The Tottenham Experience located at the southern end of the stadium is home to the largest retail space of any football club in Europe, utilising the latest retail concepts and technology. The store features a 100-seat auditorium area to host pre-match and post-match experiences, special appearances and promotions for those that arrive early and stay longer.

#### CHALLENGE

Over the years, FloControl has successfully supplied various projects at Tottenham Hotspur, amongst which the new training ground in 2015.

#### SOLUTION

For the Tottenham Experience Fitout FloControl got involved through Fan Coil Manufacturer Ability. FloControl has worked closely with Ability on numerous projects; FloControl typically delivers Ability with compact FCU valve sets, handed for heating and cooling, with the removable insert installed. Ability fits the valve sets directly over the drip tray of the FCU and supplies projects with ready to connect FCUs.





## NO. 1 COURT ALL ENGLAND LAWN TENNIS AND CROQUET CLUB WIMBLEDON | LONDON

In April 2013, the All England Club confirmed its intention to build a retractable roof over No.1 Court. This was part of its **Master Plan** to substantially improving the quality of the Wimbledon experience for all the main audiences and thereby maintain its reputation as the **world's premier tennis event**. The roof is expected to be in place for the 2019 Championships.

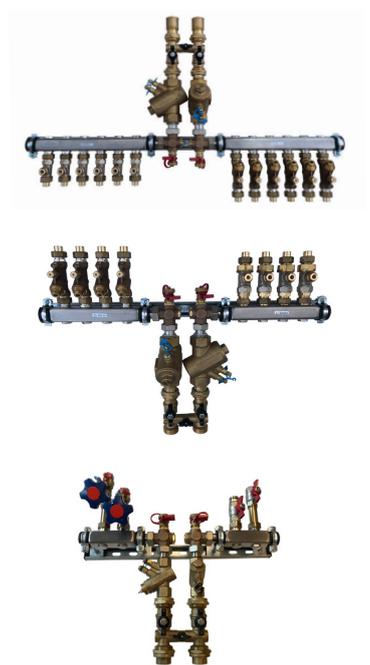
### CHALLENGE

FloControl got involved at an early stage, working with the ME design consultant on potential solutions for heating and cooling applications for AHU's as well as the hospitality suites.

### SOLUTION

FloControl supplied the FCU valve sets, ABV EOL Bypass valve sets and large FlowCon Green.3, SM.3.1 and SM5.1 PICVs up to a 50mm diameter for the Air Handling Units. In close collaboration with the design consultant, an energy efficient, cost effective approach based on distribution manifolds was conceived to control the temperature in the hospitality suites.

FloControl sourced the components from its supplier network, configured the bilateral 2-6 port distribution manifolds with FlowCon PICVs, shut off ball valves and commissioning valves to suit the various locations.





**Bloomberg**

## BLOOMBERG CANNON STREET | LONDON | 2017

Opened in October 2017 in the City of London, Bloomberg's new European headquarter is the **world's most sustainable office building**, as designed. The building achieved an 'Outstanding' rating against the BREEAM sustainability assessment method, with a 98.5% score.

### CHALLENGE

FloControl was tasked to look at developing a manifold valve assembly, to channel conditioned air to the bespoke, integrated ceiling panels, which combine heating, cooling, lighting and acoustic functions in an innovative petal-leaf design, complimenting the pre-assembled valve sets FloControl was already supplying for fancoils and on the mains, AHUs, and Heat Exchangers.

### SOLUTION

In close collaboration with the customer FloControl designed, tested and supplied c.4800 distribution manifolds, fitted with FlowCon PICVs, static commissioning and balancing valves for zone control of the petal-leaf ceiling and flow rate balancing to groups of FCUs, Beams and Panels up to 50mm diameter.

FloControl also provided No-Leak Quick Release Couplings and Flexible Hoses in addition to the Data Centre Emergency Shut Down Valves. This project showcases the versatility of FloControl's product assortment and capability to manufacture large-scale, project specific solutions to order.



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Schrodgers

## SCHRODERS

### LONDON WALL PLACE | LONDON | 2018

Schrodger's new London office: Environmental sustainability at its heart.

"Visitors are invariably impressed with the design of the building when they first see it. But what they do not see are the numerous technological features built into its structure, which make it one of the most environmentally sustainable office blocks in London."

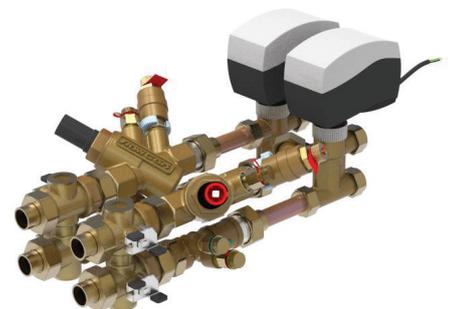
**Richard Dyson, Head of Content, Schrodgers.**

#### CHALLENGE

FloControl is proud to have contributed to this building's sustainability status by delivering 1036 FCU pre-assembled valve sets to a tight and complex schedule.

#### SOLUTION

The FloControl FCU valve sets are configured with the innovative 3-in-1 FlowCon Green.0/Green.1 PICVs, FN.0.2 Actuators and Mini-Bypass as well as ABV 4-Port Valve sets for the branch EOL application, to avoid dead leg and provide low flow pump protection.



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## FIDELITY OFFICES CANNON STREET | LONDON | 2018

**Fidelity World Class Fit Out for World Class Investment.** Opposite St Paul's Cathedral in the heart of London, this fit-out project for Fidelity International will create an inspiring work space - bringing people together through corporate, creative and social environments.

### CHALLENGE

FloControl was selected to supply all PICV's for Fan Coil Units, Air Handling Units and Crac Units on short notice to fit in with the main contractor's goal of delivering the entire fit out of the 8 storey building (108k sq ft) within 32 weeks.

### SOLUTION

FloControl supplied compact, pre-assembled PICV valve sets fitted with the FlowCon Mini Flushing Bypass, Green.0 or Green.1 PICV, each of which provides 41 different flow rates from 0.0103 - 0.308 l/s and metering station, handed for heating and cooling duty for 308 Fan Coil Units. Besides, pre-assembled valve sets fitted with the FlowCon 4-Union (80mm centres) and 2 Union Bypass (105mm centres), FlowCon Green.2 PICV (41 flow rates ranging from 0.240-1.29 l/s) and metering station were supplied for the larger terminal units. All valve sets were supplied with flushing cap for easy system flushing.

FloControl managed the complex call off schedule within the ambitious time line, with deliveries of valve sets and actuators to the Fan Coil manufacturer as well as the shipments of removable PICV inserts to site for installation after flushing had been completed, with flow rates set as specified, cross-referenced and labelled to the appropriate location.





## THE LONDON FRUIT & WOOL EXCHANGE POPLAR STREET | LONDON | 2018

Creating 260,000 sq ft of offices and 40,000 sq ft of retail in historic Spitafields. The London Fruit and Wool Exchange is one of the **largest developments in London** and was completed on time in April 2018.

### CHALLENGE

The scheme will deliver 320,000 sq ft of new grade A space including 260,000 sq ft of office and 40,000 sq ft of retail, restaurant, café, SME and community space. FloControl was selected to deliver Fan Coil Unit Valve Sets in accordance with ME schedules, working with 2 different ME contractors on different parts of the building simultaneously to tight time lines.

### SOLUTION

FloControl supplied according to schedule over 1500 valve sets, mainly for Fan Coil Units, with the innovative 3-in-1 FlowCon Green.0/Green.1 PICVs and Mini-Bypass, as well as ABV 4-Port valve sets, which include the FlowCon E-Just Automatic Balancing Valve, for EOL applications, avoiding dead leg and providing low flow pump protection. Besides, larger valve sets with the FlowCon Green.2 PICV, accommodating flow rates up to 1.29l/s, as well as FlowCon SM.3 PICVs (flow rates 1.48-9.89l/s) were supplied for Air Handling Units and plant room applications.



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