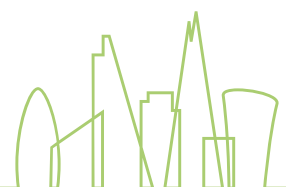


FIO Control

**INNOVATIVE SOLUTIONS
FOR HYDRONIC SYSTEMS IN
BUILDING SERVICES**





**HYDRONIC PRODUCT INTEGRATION, PRODUCT PACKAGES
AND HIGHLY ENGINEERED PREFABRICATED SYSTEM
SOLUTIONS FOR ALL BUILDING SERVICES APPLICATIONS**

FloControl believes that delivering an optimised and comfortable indoor climate with a minimal carbon footprint at the lowest possible total cost requires an integrated, holistic approach to the use of hydronic system components.

Drawing from the unparalleled expertise of FloControl's founders, who have been innovators in the valve industry for over 40 years, FloControl was established in 2009 to supply innovative valve and pipeline product solutions, which provide superior indoor climate whilst reducing the risk, capital, installation, commissioning and running cost of heating and cooling systems as well as a building's carbon footprint.

Building on over 10 years of experience of successfully supplying highly engineered valve solutions to the most prestigious UK building services projects, FloControl has extended its scope to dedicated application and support services, providing an integrated approach to hydronic systems, that satisfies the needs of consultants, contractors, commissioning engineers, installers and end users.

APPLICATION



- ▶ System product application review & optimisation
- ▶ Concept design including CAD drawings & Revit files
- ▶ CPDs and Training workshops
- ▶ Specification development & review
- ▶ Product sizing and selections
- ▶ Valve package take offs
- ▶ Technical documentation

SUPPLY



- ▶ Prefabricated valve solutions
- ▶ Valve packages
- ▶ Energy efficient Dynamic valve range
- ▶ Extensive General and Domestic valve range
- ▶ 100% product testing
- ▶ Product labelling & referencing
- ▶ Warranties

SUPPORT



- ▶ Onsite Training
- ▶ Product diagnostics & trouble shooting
- ▶ Product commissioning/BMS interface
- ▶ FloControl OnSite App & documentation
- ▶ Product servicing/ maintenance

AT FLOCONTROL, WE INTEGRATE OUR **UK-SPECIFIC APPLICATION KNOWLEDGE**, PREFABRICATION AND ONSITE SUPPORT EXPERIENCE WITH THE **GLOBAL EXPERTISE** OF OUR INTERNATIONAL NETWORK OF **MARKET-LEADING, INNOVATIVE VALVE SUPPLIERS** TO HELP CONSULTANTS AND CONTRACTORS SOLVE HYDRONIC SYSTEM DESIGN CHALLENGES HOLISTICALLY.

Using the most efficient technology available, we design, select, source, supply or prefabricate the best valve and pipeline product solution for the application in the required time frame and to budget.

After supply, we fully support stakeholders involved in the installation, commissioning and facility management.

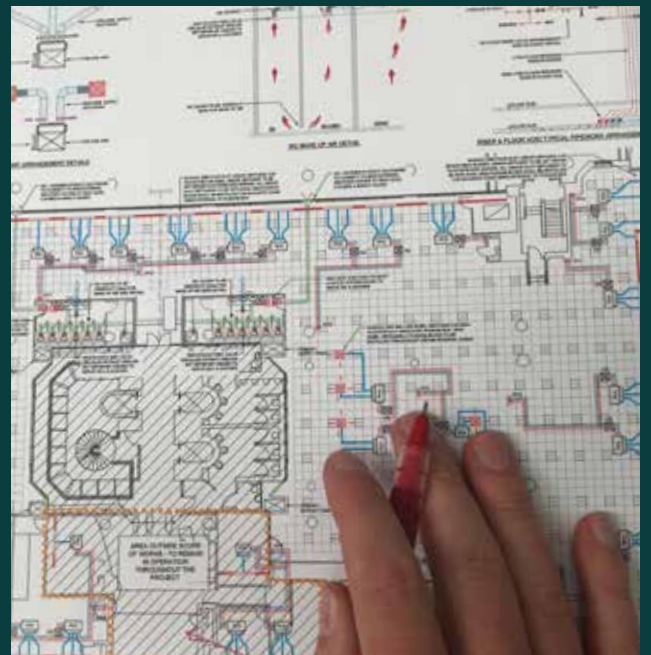
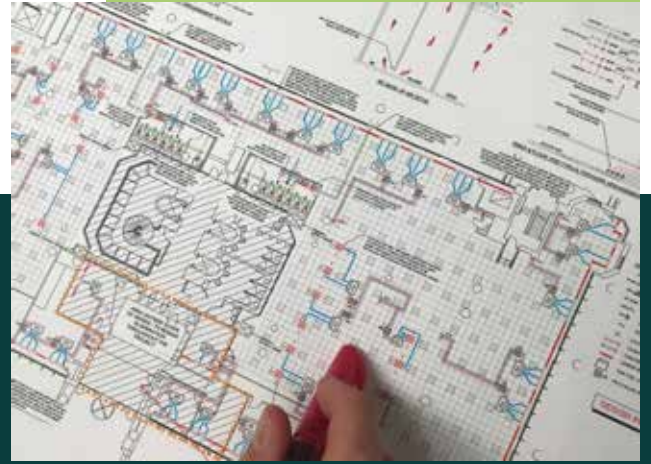


APPLICATION



SYSTEM PRODUCT APPLICATION REVIEW

DRAWING ON **PRACTICAL APPLICATION KNOWLEDGE** AT AN EARLY STAGE CAN BE BENEFICIAL FOR DESIGNERS TO SHORTEN THE TOTAL PROJECT LEAD TIME AND TO AVOID RE-DESIGNS IN MID-FLIGHT. **CONSIDERING AND SPECIFYING PREFABRICATED SOLUTIONS** CAN HELP OVERCOME PRACTICAL CHALLENGES ONSITE, SUCH AS THE GROWING SKILLED LABOUR SHORTAGE IN THE UK AND MORE RECENTLY, SOCIAL DISTANCING RESTRICTIONS.



For over 10 years FloControl has worked with consultants and D&B teams helping them design practical solutions that work well in the larger context of the building, using our extensive technology, solution design, prefabrication and application knowledge gained from the supply side. We support consultants and contractors with technical documentation, design drawings, Revit files, training and specifications, helping them to save time.

Request one of our CPDs or contact us on **01282 564425** to discuss your design challenges

SUPPLY



COMMITTED TO PROVIDING **ENERGY EFFICIENT HYDRONIC SOLUTIONS**, FLOCONTROL INCORPORATES THE MOST INNOVATIVE PRODUCTS FOR ALL APPLICATIONS. WE DEVELOP **BESPOKE SOLUTIONS** BASED ON OUR EXTENSIVE AND UP-TO-DATE APPLICATION KNOW-HOW WHILST WORKING CLOSELY WITH **WORLD CLASS GLOBAL VALVE MANUFACTURERS** FROM DENMARK, GERMANY AND ITALY INCLUDING FLOWCON, AFRISO GAMPPER AND EFFEBI.



The FlowCon range of the highest-quality dynamic balancing and control valves is at the heart of our solutions. FlowCon International is one of the world's largest specialised manufacturer of dynamic balancing and pressure independent control valves for building services. Their continuous commitment to and investment in R&D has resulted in the widest range of dynamic balancing valves and the largest installation base of dynamic and pressure independent control valves with over 10M valves installed in over 60 countries around the globe.

Moreover, FloControl offers a wide selection of Dynamic, General and Domestic valves and accessories from stock, relevant to the requirements of Building Services projects, which are available stand alone or as a Valve Package, selected from the drawing, labelled, referenced and packaged to the destination in the building.

SUPPLY



OUR BURNLEY FACILITY

At our modern facility in Burnley, we stock products and component parts and prefabricate a varied range of valve assemblies for FCUs, Beams, Trench Heaters & Coolers, UFH systems, AHUs, risers, plant rooms and EOL applications. For ease of installation, all of our valve sets are tested individually, labelled, packed and assigned to the destination terminal unit or position in the hydronic system.



VALVE SET ASSEMBLY



SUPPORT



PUTTING A SYSTEM TO WORK, OFTEN UNDER GREAT TIME PRESSURE, IS A CHALLENGING TASK. FLOCONTROL OFFERS **TRAINING AND TOOLBOX TALKS** FOR INSTALLERS, WATER TREATMENT SPECIALISTS AND COMMISSIONING ENGINEERS, DIAGNOSTICS & TROUBLE SHOOTING AS WELL AS **REMEDIAL SOLUTIONS** TO HELP CONTRACTORS, INSTALLERS, COMMISSIONING BMS AND MAINTENANCE ENGINEERS MEET THEIR DEADLINES.



SUPPORT ON SITE

The FloControl OnSite App supports efficiency onsite. Technotes and Installation Instructions are easily accessible through the valve finder and can be shared with installers for correct installation and commissioning.

The App covers FCU and Plant Room Valve Sets, FlowCon PICVs, ABVs, DPCVs, TCVs, TBVs, as well as RAD PICVs and General Valves, Measuring Devices & Strainers.

Scan the QR code to download the App.



DYNAMIC VALVES

Dynamic flow regulation and pressure independent temperature control is widely credited for **generating up to 40% energy, emission and cost savings** in HVAC applications.*

1% increased PICV accuracy converts to a c. **0.5% HVAC energy consumption reduction**.**

OUR DYNAMIC VALVE RANGE PROVIDES **SUPERIOR ENVIRONMENTAL COMFORT** WHILST REDUCING THE CAPITAL, INSTALLATION, COMMISSIONING AND RUNNING COST OF HEATING AND COOLING SYSTEMS AS WELL AS THE BUILDING'S CARBON FOOTPRINT.



Valve Range		Sizes	Pressure Rating	Connections
Pressure Independent Control	Green	½" – 2"	25 Bar	Threaded
	SM	50 – 250mm	40 Bar	Flanged
	Vario DP	½", ¾"	10 Bar	Threaded
Automatic Balancing Constant Flow	E-Just	½" – 2"	25 Bar	Threaded
	K	½" – 1 ½"	25 Bar	Threaded
	K	1 ½" – 3"	16 Bar	Threaded
	SH	50 – 250mm	40 Bar	Flanged
	Wafer	50 – 80mm	25 Bar	Flanged
Temperature Control	Wafer	100 – 1000mm	34 Bar	Flanged
	EVS	½" – 1"	25 Bar	Threaded
	EVC	½", ¾"	16 Bar	Threaded
Differential Pressure Control	SDP	½", ¾"	25 Bar	Threaded
	EDP	½", ¾"	25 Bar	Threaded
	ADP	½", ¾"	25 Bar	Threaded
	PIM DP	50 – 150mm	25 Bar	Flanged
	Cla-Val	150 – 600mm	16 Bar	Flanged
Thermal Balancing	Thermal Balancing	½" – 1"	10 Bar	Threaded
Pressure Reduction	Stainless Steel	½" – 2"	25 Bar	Threaded
	Stainless Steel	15 – 150mm	25 Bar	Flanged
	Downstream	50 – 300mm	25 Bar	Flanged
	Direct Acting	50 – 150mm	40 Bar	Flanged
	Dial Up	½" – 2"	25 Bar	Threaded
2 Port Control	VIR 325	½" – 2"	16 Bar	Threaded

Sources:

*U.S. Energy Information Administration

**FlowCon

STATIC VALVES

FLOCONTROL OFFERS A FULL RANGE OF **GENERAL AND DOMESTIC VALVES** RELEVANT TO **BUILDING SERVICES**.



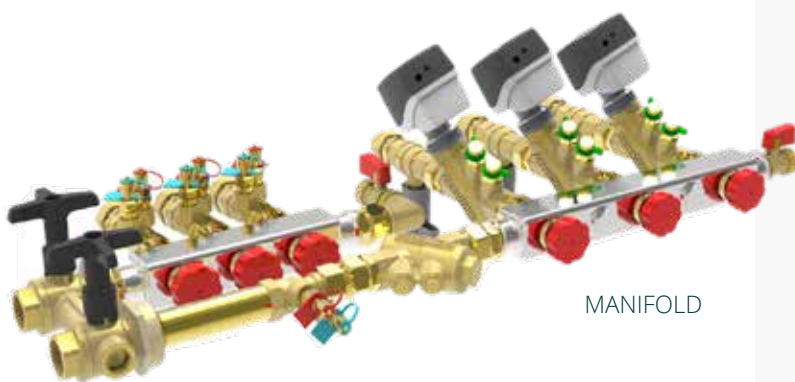
Valve Range		Sizes	Pressure Rating	Connections
Air Vents	Various models	3/8" – 1 1/4"	10 – 40 Bar	Threaded
Commissioning	FODRV	1/2" – 2"	25 Bar	Threaded
	FODRV	65 – 600mm	16 & 25 Bar	Flanged
	VODRV	1/2" – 2"	25 Bar	Threaded
	Butterfly & Orifice	65 – 600mm	16 & 25 Bar	Fully Lugged
Double Regulating	DRV	1/2" – 2"	25 Bar	Threaded
	DRV	65 – 600mm	16 & 25 Bar	Flanged
	DRV Butterfly	65 – 600mm	16 & 25 Bar	Fully Lugged
	Stainless Steel	15 – 250mm	40 Bar	Flanged or Welding Ends
Isolation	Ball valves various models & materials	1/2" – 4"	20 & 25 Bar	Threaded
		25 – 200mm	16 Bar	Flanged
		15 – 100mm	16 - 40 Bar	Flanged
	Butterfly	40 – 600mm	16 & 25 Bar	Fully Lugged
Multifunctional	Bi-directional ball balancing valve	1/2" – 1"	16 Bar	Threaded
	Filter ball	1/2" – 2"	30 Bar	Threaded
Non Return	Swing	15 – 100mm	16 Bar	Threaded
		65 – 300mm	16 Bar	Flanged
	Dual Plate	65 – 600mm	16 & 25 Bar	Flanged
	Silent	50 – 250mm	16 Bar	Flanged
	Wafer	15 – 250mm	16 Bar	Flanged
	Single/Double	1/2" – 2"	10 & 16 Bar	Threaded
Strainers	With Tappings	1/2" – 1 1/2"	25 Bar	Threaded
	Plain, various models and materials	1/2" – 4"	10 & 16 Bar	Threaded
		65 – 600mm	16 & 25 Bar	Flanged

All products are rigorously tested by our ISO 9001 certified manufacturer partners and come with the appropriate warranties.

DESIGNED TO SPECIFICATION, ASSEMBLED AND 100% TESTED, EASY TO FIT AND TO COMMISSION, COMPLETE WITH WARRANTY AND TRAINING.

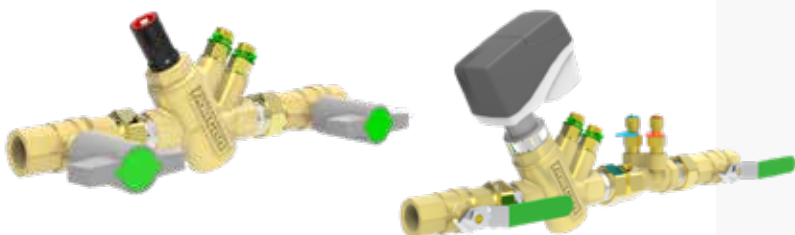
Prefabricated valve assemblies save time, lower the risk and reduce waste onsite. They fit directly onto the terminal unit or in the system, performing a variety of duties.

FloControl designs valve assemblies to project specifications, addressing space and duty requirements and supports project engineers to obtain consultant approval. Valve sets are assembled from FloControl's UK stock, combining products from our market-leading global valve suppliers. Every valve set is assembled and thoroughly tested at our facility in Burnley. Shipments are carefully managed. Linked to the schedules, each valve assembly is labelled with all data needed to simplify the installation on site. Our local assembly and stock capability underpin a fast turn-around of project orders with maximum design flexibility, leveraging the expert knowledge of the experienced FloControl team, helping project engineers to deliver their projects in time and on budget.



MANIFOLD

END OF LINE AND ZONE VALVE SETS



FloControl

Compact Range for FCUs

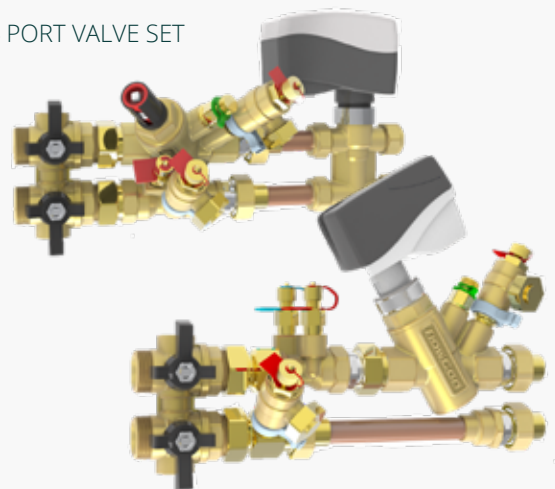
Vertical and horizontal configurations to suit the various FCU manufacturer designs, with a wide choice of extensions and connections, some of which are exclusive to FloControl. Valve sets can be configured as PICV with the innovative Green PICV at its core or as ABV with 4 Port control valve, with a wide choice of FlowCon removable, internally or externally adjustable Inserts.

FloControl also offer contract assembly and can incorporate any 3rd party product into their valve assembly to meet project specification. Either free issued or FloControl-sourced, our experienced assembly team will build, test, label and ship valve assemblies to specification.

Besides the Compact FCU Range, FloControl assembles project specific valve arrangements for other terminal units such as AHUs, UFH, and end of line, zone control, plant room and riser applications, including brackets and insulation shells.

All our assemblies comply or exceed BSRIA BG29/20 requirements.

ABV 4 PORT VALVE SET



COMPACT PICV VALVE SET



To date, FloControl has successfully completed a wide range of new build or refurbishment projects in the UK, including some of the most acclaimed office buildings, sporting arenas, schools, colleges, universities, hospitals, police stations, high technology warehouses and factories.

This is how our customers rate our performance:



“

...after a few dealings with Dennis Taylor of FloControl on PICV's, realising his passion for valves, I enquired whether we could look at developing a manifold valve assembly to compliment the preassembled valve arrangements FloControl were already supplying for fancoils and on the mains serving the manifolds. We were able to develop and test the product using Dennis' knowledge...

Roger Dalzell, Project Director
Bloomberg at Michael J. Lonsdale

Dennis Taylor and the FloControl team have provided the highest standards of engineering support throughout the last ten years, whilst working with ourselves on some of the world's most challenging and prestigious projects, they are always extremely professional, responsive and diligent, and have become a go to supplier.

Paul Hillier, Director & Consultant
Wimbledon at ME Engineers

“



Credit: The Telegraph



OUR VALUES

EXCEPTIONAL SERVICE

We pride ourselves by delivering exceptional service throughout the project cycle, including design advice, value engineering assistance, valve take offs, sizing and selection, technical submissions, training, installation, commissioning and maintenance support.

AVAILABILITY

Our products are stocked, assembled and distributed on short lead times from our UK facility.

FLEXIBILITY

Through our deep understanding of applications and our network of credible, European specialist suppliers, FloControl provides solutions to meet any project needs.

ONE STOP SHOP

FloControl offers the most complete range of PICVs, ABVs, DPCVs, pre-assembled valve sets, manifolds, static valves, HIUs and ancillary products for heating and cooling systems.

FloControl

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