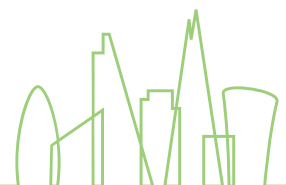


FIO Set™

**SETTING THE STANDARD
FOR TERMINAL UNIT VALVE SETS**

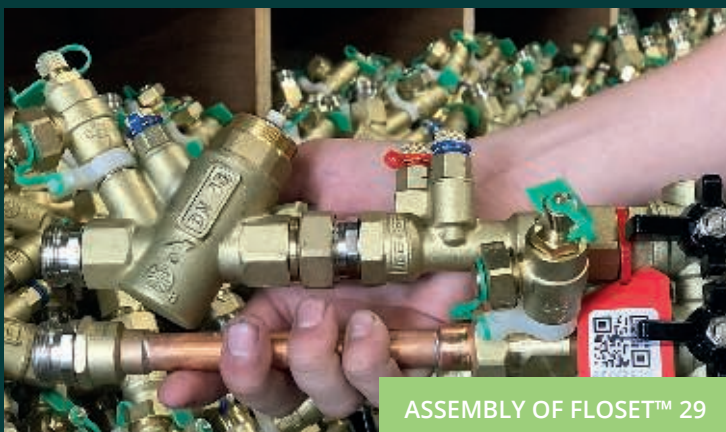


Flocontrol is the UK market leader in prefabricated valve assemblies for terminal units. With over a decade of expertise we have developed the most extensive range of valve sets for terminal unit applications under the brand name FloSet™.

DESIGNED TO DELIVER PROJECTS
IN TIME AND ON BUDGET WITH
MINIMAL EFFORT ON SITE.

FloSet™ covers a series of highly versatile valve sets, incorporating the most accurate, proven components from FlowCon in Denmark, underpinned by our unique design, quality and support services, to guarantee a high-quality pre-assembled and ready-to-fit product.

The FloSet™ range is assembled and supplied from our Burnley facility on the shortest lead time in the market, tested, set, labelled and ready to fit. Easy to select based on flow rates. Complete with 18 months warranty and training.



DESIGN

- ▶ Wide flow rate range
- ▶ Linear & equal % control characteristics
- ▶ Selection based on flow rate
- ▶ Drawings/Revit
- ▶ Specification text

CONTRACT

- ▶ Take offs/Tech subs
- ▶ Call off management
- ▶ Extended warranty option
- ▶ QR coded labels
- ▶ Contract assembly – free issue control valve

INSTALLATION

- ▶ Accessible, practical connection options
- ▶ Unions at all joints for easy component alignment
- ▶ Type setting, supplied pre-set

SUPPLY

- ▶ Labelling/Packing
- ▶ Flexible configurations
- ▶ Valve set extension
- ▶ Horizontal/vertical orientation
- ▶ Handed to suit duty

COMMISSIONING

- ▶ Accessible PT Plugs
- ▶ Venturi Metering Station
- ▶ BG29/21 compliance
- ▶ Test points in flow and return branches
- ▶ High Kv 5-position bypass

BUILDING MANAGEMENT

- ▶ Actuator options incl. feedback
- ▶ Site-wide calibration
- ▶ Removable PICV & ABV inserts
- ▶ Subassemblies
- ▶ UK stock of components

PRESSURE INDEPENDENT CONTROL

The PICV FloSet™ range incorporates the innovative FlowCon PICV with **removable inserts** for line sizes up to DN50, covering a flow rate range from 0.005 – 3.79 l/s with 41 different set points per insert and ΔP range up to 800 kPaD for the highest accuracy. The matching FlowCon actuator range support a linear or equal percentage characteristic control strategy. The FlowCon PICV is known for its **high repeatability**, maximising the energy saving potential.

FloSet™ Compact



- ▶ DN15-20
- ▶ Smallest valve set in the market
- ▶ Direct mounting over extended FCU drip tray on 40mm centres
- ▶ Blank caps for FCU back flush
- ▶ Drain & flushing points in flow and return
- ▶ Available with strainer

FloSet™ 29



- ▶ DN15-20
- ▶ Fully BG29/21 compliant
- ▶ Direct mounting over extended FCU drip tray on 40mm centres
- ▶ Drain & flushing points in flow and return
- ▶ Available with strainer

FloSet™ Total



- ▶ DN15-20
- ▶ Most complete valve set in the market
- ▶ Fully BG29/21 compliant
- ▶ Direct mounting over extended FCU drip tray on 40mm centres
- ▶ Drain & flushing points in flow and return
- ▶ Standard fitted with AAV and Strainer with integral test points

FloSet™ 80



- ▶ DN15-25
- ▶ Remote system mounting
- ▶ 80mm centres
- ▶ Drain & flushing points in flow and return
- ▶ Available with strainer and insulation shell

FloSet™ 105



- ▶ DN25-50
- ▶ 105mm centres
- ▶ Insulation available



APPLICATION

- Fan Coil Units
- Calorifiers
- Active Chilled Beams
- Passive Chilled Beams
- Convectors
- Heat Pumps
- Heater Batteries
- Heat Recovery Units
- Natural Ventilation Heat Recycling
- Overdoor Heaters
- Radiant Panels
- Trench Heaters/Coolers

- Air Handling Units
- CRAC Units
- Chillers
- Cooling Towers
- Heat Exchangers

AUTOMATIC BALANCING

The ABV FloSet™ range incorporates the externally adjustable FlowCon E-Just, and for the lowest flowrates, the **internally adjustable** FlowCon Composite ABV, both with **removable inserts**, covering a flow rate range from 0.008 – 4.48 l/s and ΔP range up to 400 kPaD.

FloSet™
4-Port



- ▶ DN15-20
- ▶ Direct mounting over extended FCU drip tray on 40mm centres
- ▶ Drain & flushing points in flow and return
- ▶ Available with strainer
- ▶ 4-Port control valve and actuator

FloSet™
80



- ▶ DN15-25
- ▶ Remote system mounting
- ▶ 80mm centres
- ▶ Drain & flushing points in flow and return
- ▶ Available with strainer and insulation shell



APPLICATION

Fan Coil Units
Air Curtains
Calorifiers
Chilled Beams/Ceilings
Trench Heaters/Coolers
Solar Panels

MANUAL BALANCING

For systems designed for manual balancing or retrofits, there is a FloSet™ 4-Port option incorporating the well-proven 9515 series VIR FODRV Commissioning valve, covering flow rates from 0.007 – 0.325 l/s.

FloSet™
4-Port



- ▶ DN15-20
- ▶ Direct mounting over extended FCU drip tray on 40mm centres
- ▶ Drain & flushing points in flow and return
- ▶ Available with strainer
- ▶ 4-Port control valve and actuator



APPLICATION

Fan Coil Units
Air Curtains
Calorifiers
Chilled Beams/Ceilings
Convectors
Heat Pumps
Trench Heaters/Coolers

CONTRACT ASSEMBLY

If specifications require the installation of a control valve from a specific brand other than FlowCon, **mechanical or electrical**, the FloSet™ Contract assembly is designed to incorporate any 3rd party product. Either free issued or FloControl-sourced, our **experienced assembly team** will build, test, label and ship valve assemblies to specification.

FloSet™
Contract



- ▶ DN15-20
- ▶ Direct mounting over extended FCU drip tray on 40mm centres
- ▶ Drain & flushing points in flow and return
- ▶ Available with strainer



APPLICATION

Fan Coil Units
Air Curtains
Calorifiers
Chilled Beams/Ceilings
Convectors
Heat Pumps
Trench Heaters/Coolers

THE HIGHEST STANDARD

Installation – Commissioning – Maintenance

In accordance with BG29, all FloSets are fitted with the versatile FlowCon 5-position bypass, providing full flow, back & forward flush, unit bypass and total isolation of the terminal unit. Available for all valve sets with 40, 80 or 105mm centres.

All FloSets are supplied labelled & cross-referenced to the schedule, location in the building and destination terminal unit. The QR code on the label can link to your document vault with technical documentation for the lifetime of the building.

FloSets are maintenance free. However, the two bypass isolation valves allow for the easy removal of the PICV, ABV or Commissioning valve should this be required as all connections include a union.

FlowCon's removable insert concept allows for flushing and cleaning operations without having to remove the valve body.

Scan to view the
FloSet™ 29 label data





THE BENEFITS OF

FloSet™

- ✓ Security of working with the market leader
- ✓ 10 years of delivering value to building services projects
- ✓ Most extensive range for terminal unit applications
- ✓ Well-proven, highest quality component parts
- ✓ Service & support throughout the life time of a building

Would you like to know more?

Get in touch using the details below and one of our team will be happy to help.

Our contribution to London's financial district skyline

Walkie-Talkie

Cheese Grater

8, 22, 100, 180 Bishopsgate

Bloomberg

10 Fenchurch Street

1 & 2 London Wall

1 & 5 Finsbury Circus

30 & 99 Gresham Street

and many more...