

APPLICATION

For Fan Coil Unit installations. Typically fitted on the last Fan Coil Unit of a branch, for dead leg protection, with the 4-Port Control Valve working as a bypass if there is no demand from the Fan Coil Unit.

In order for the ABV to function as intended, water must always be suitably treated, clean, free of debris and maintained as per the relevant water quality standards (VDI2035, BSRIA BG50 or equivalent).

SPECIFICATION

Static Pressure:	16 Bar
Working Temperature:	-10°C to 120°C
Size Range:	DN15-20
Connections:	System side: male or fixed ISO female. FCU side: compression or solder.
Features:	<ul style="list-style-type: none"> • Handed for heating & cooling duties • Easy selection based on flow rate • Wide choice of connections • Strainer options • Accurate flow measurement verification at the terminal unit • Flush/drain points in flow and return* • Vertical or horizontal orientation • Supplied set, individually labelled to schedule & terminal unit, ready to fit • 100% tested
Components:	<ul style="list-style-type: none"> • FlowCon 5-position flushing bypass, 40mm centres • FlowCon venturi metering station low to high flow rates, fitted with FlowCon Combined PT Plug & Drain • Johnson Controls 4-Port Valve • FlowCon E-Just or Composite ABV, fitted with FlowCon Combined PT Plug & Drain • Johnson Controls 3-point floating or modulating Actuator • FlowCon components: Forged DZR brass, elastomers EPDM, Johnson component: Forged Brass, stainless steel
Material:	

PRODUCT CODES AND SELECTIONS

AR.0.15-x.6.12.2.Y.J

J = Johnson Controls 4-Port (Standard)
Q = Free-Issued 4-Port
U = 0.25 Kv 4-Port
V = 0.4 Kv 4-Port
W = 0.63 Kv 4-Port
X = 1.0 Kv 4-Port
Y = 1.6 Kv 4-Port
Z = 2.5 Kv 4-Port
FCU [Outlet]: 1 = Union Solder connections 2 = Compression connections
System [Inlet]: 12 = 1/2" female threaded connections 34 = 3/4" female threaded connections No addition = male threaded bypass with 3/4" BSP Euroconus connections
5 = Composite ABV1.Y.Y [0.0081-0.0431 l/s] 6 = E-Just1.Y.B [0.0278-0.114 l/s] 7 = E-Just1.Y.G [0.0436-0.169 l/s] 8 = E-Just1.Y.R [0.0767-0.229 l/s] 9 = E-Just1.G.R [0.113-0.352 l/s]
0 = no additional flow measurement 15-1 = Kvs 0.263 15-2 = Kvs 0.550 15-3 = Kvs 1.15 15-4 = Kvs 2.80 15-5 = Kvs 5.40
0 = no addition to the flow branch 1 = Plain Strainer 3 = Combined PT Plug & Drain Valve 6 = Plain Strainer and Combined PT Plug & Drain Valve
AL = Left Handed FloSet AR = Right Handed FloSet AH = Horizontal FloSet

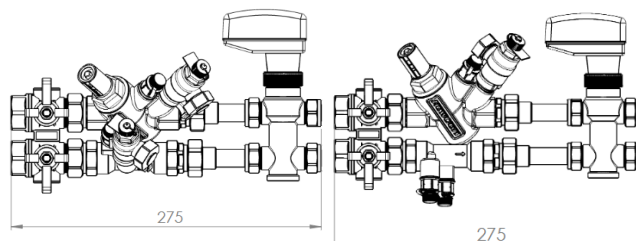
FloSet® 4-Port

AR.0.15-x.6.12.2.Y.J

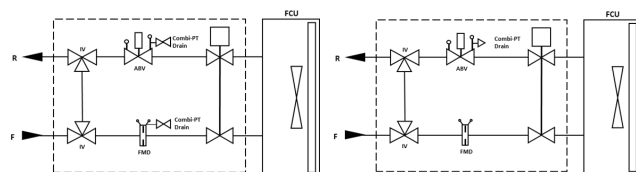
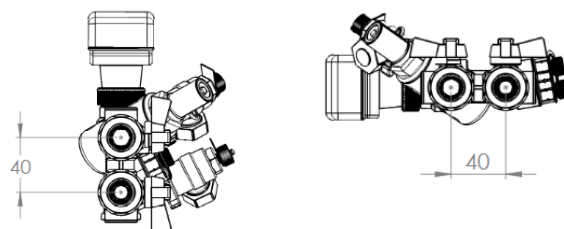
Right Hand FloSet 4-Port ABV. 1/2" female threaded Mini Flushing By-Pass. MS.15-x Metering Station fitted with Combined PT Plug & Drain to the Flow Branch. FlowCon E-Just1.Y.B fitted with Combined PT Plug & Drain to the Return Branch. Johnson Controls 4-Port [1.6] with Compression FCU Connections.

Vertical Configuration

Horizontal Configuration



*Flush/drain point in the flow redundant due to the horizontal orientation.



Bypass handle positions supporting 5 functions

