APPLICATION

Top of the range valve assembly for Fan Coil Unit installations. Incorporates all components required to measure, vent, purge and flush the terminal unit and system. Vertical or horizontal orientation. Fully BSRIA BG29/21 compliant.

In order for the PICV 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:	25 Bar
Working Temperature:	-10°C to 120°C
Size Range:	DN15-20
Connections:	System side: male or fixed ISO female
	FCU side: standard solder

Features:
- Handed for heating & cooling duties
- Easy selection based on flow rate
- Wide choice of connections and actuators (electric or thermic, raise lower, modulating, on/off, feedback)
- Accurate flow measurement verification at the terminal unit
- Strainer
- Automatic Air Vent
- Flush/drain points in flow and return
- Supplied set, individually labelled to schedule & terminal unit , ready to fit
- 100% tested

Components:
- FlowCon 5-position flushing bypass, 40mm centres, fitted with Automatic Air Vent
- FlowCon Strainer fitted with a PT Plug and Combined PT Plug & Drain
- FlowCon Green or GreEQ PICV fitted with FlowCon Combined PT Plug & Drain
- FlowCon venturi metering station low to high flow rates
- FlowCon FNP Actuator, can be set to equal % or linear control, with failsafe, electrical override and position indicator IP54 rated, including upside-down
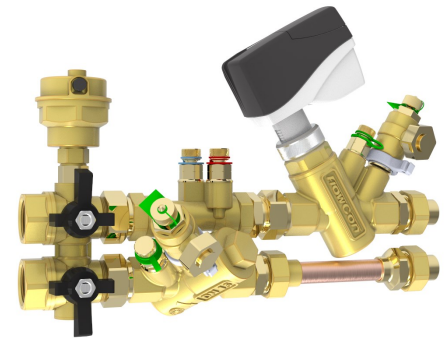
Forged DZR brass, elastomers EPDM

PRODUCT CODES AND SELECTIONS

Px.12.15-xR.12.15I.S.0.AAV

AAV = Automatic Air Vent [Flushing Bypass]	
PT = PT Plug [Flushing Bypass]	

EQ0 =	GreEQ.0 [0.00482—0.126 l/s]
EQ1 =	GreEQ.1 [0.00482—0.126 l/s]
0 =	Green.0 [0.0103—0.160 l/s]
1 =	Green.1 [0.178—0.308 l/s]
1HF =	Green.1HF [0.172—0.736 l/s]

FCU [Outlet]	S = Solder Connections
	C= Compression Connections
	15I = 15mm Connection Size
	22I = 22mm Connection Size

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

	Metering Station in the return:
0 =	no additional flow measurement
15-1R =	Kvs 0.263 [for GreEQ.0/Green.0]
15-2R =	Kvs 0.550 [for Green.0]
15-3R =	Kvs 1.15 [for Green.0]
15-4R =	Kvs 2.80 [for GreEQ.1/Green.1]
15-5R =	Kvs 5.40 [for Green.1HF]

0 = no addition to the flow branch	
1 = Plain Strainer	
2 = PT Plug	
3 = Combined PT Plug & Drain Valve	
6 = Plain Strainer and Combined PT Plug & Drain V.	
7 = Plain Strainer and Hose Union Drain Valve	
12 = Strainer with 1 PT Plug and Combined PT Plug & Drain	

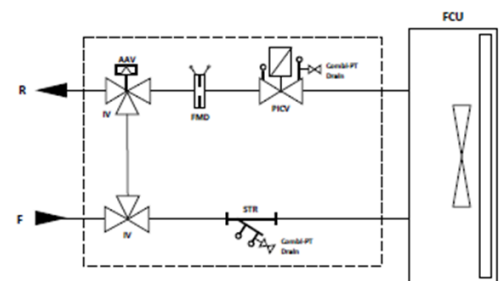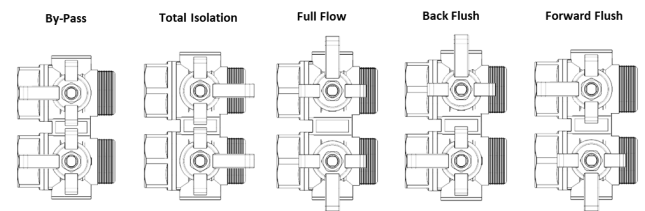| PL =	Left Handed FloSet
PR =	Right Handed FloSet
PH =	Horizontal FloSet

PR.12.15-xR.12.15I.S.0.AAV

Right Hand FloSet Total. 1/2" female threaded Mini Flushing By-Pass fitted with Automatic Air Vent. Strainer with a PT Plug and Combined PT Plug & Drain to the Flow Branch. FlowCon Green.0 PICV fitted with FNP Actuator and Combined PT Plug & Drain and MS.15-x Metering Station to the Return Branch. Union Solder FCU Connections included but supplied loose.

Configuration Schematic

Bypass handle positions supporting 5 functions

By-Pass	Total Isolation	Full Flow	Back Flush	Forward Flush

Dimensional Drawing Right-Handed Vertical FloSet Total

295

40