

### APPLICATION

The Zone Valve Set is designed to control the temperature of specific zones in an easy and cost-effective way through a single PICV. The valve set is supplied pre-assembled with isolation ball valves and venturi metering station, air/water tested, set and ready to fit directly into the system preferably in the return branch. Comprises all components required to automatically balance the flow rate and to control the temperature to the zone with 100% authority.

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:	-15°C to 110°C
Size Range:	DN15 to DN50
Threaded Connections:	Female according to UNI ISO 228/1
Features:	<ul style="list-style-type: none"> <li>• Easy selection based on flow rate</li> <li>• Extended handle option and choice of actuators (electric or thermic, raise lower, modulating, on/off, feedback, failsafe)</li> <li>• Blank cap option for dynamic flushing</li> <li>• Accurate flow measurement verification at the terminal unit</li> <li>• Supplied set, individually labelled to schedule</li> <li>• 100% tested</li> </ul>
Components:	<ul style="list-style-type: none"> <li>• Effebi full bore ball valve 2 x</li> <li>• VIR venturi metering station</li> <li>• FlowCon Green.EQ, Green.0-2 or Green.3 PICV</li> <li>• Green.EQ and 0-2: FlowCon FN or FNP Actuator, can be set to equal % or linear control, with failsafe, electrical override and position indicator; Green.3: FlowCon FH Actuator. IP54 rated, including upside-down</li> </ul>
Material:	<ul style="list-style-type: none"> <li>• DZR brass, elastomers EPDM, nickel-plated brass</li> </ul>

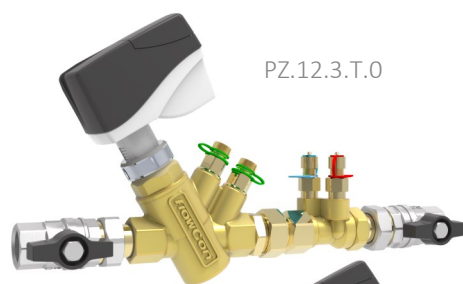
### PRODUCT CODES AND SELECTIONS

PZ.12.x.T.x.\_

X	Extended Handle, leave blank for standard Butterfly handle
Bxxx	fitted with blank cap, insert supplied loose
EQ0	= GreEQ.0 [0.00482—0.126 l/s, 16-600 kPaD]
EQ1	= GreEQ.1 [0.0764—0.224 l/s, 30-800 kPaD]
0	= Green.0 [0.0103—0.160 l/s, 16-600 kPaD]
1	= Green.1 [0.0178—0.308 l/s, 30-800 kPaD]
1HF	= Green.1HF [0.172—0.736 l/s, 35-800 kPaD]
2	= Green.2 [0.240—1.29 l/s, 16-800 kPaD]
3	= Green.3 [0.528—3.79 l/s, 16-600 kPaD]
T	Threaded
1	= 15 XLF Metering Station Kvs 0.263
2	= 15 ULF Metering Station Kvs 0.55
3	= 15 LF Metering Station Kvs 1.15
4	= 15 Metering Station Kvs 2.80
5	= 20 Metering Station Kvs 5.33
6	= 25 Metering Station Kvs 9.72
7	= 32 Metering Station Kvs 20.25
8	= 40 Metering Station Kvs 30.23
9	= 50 Metering Station Kvs 55.07
1	= 1" nominal diameter
2	= 2" nominal diameter
12	= 1/2" nominal diameter
34	= 3/4" nominal diameter
114	= 1 1/4" nominal diameter
112	= 1 1/2" nominal diameter
PZ	= Zone Control PICV Valve Assembly

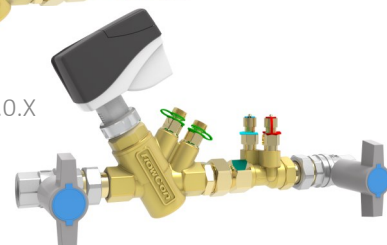
PZ.12.3.T.0

1/2" female threaded PICV Zone Control Valve String. Comprising Butterfly Handle-operated inlet and outlet ball valves, FlowCon Green.0 PICV and 15LF Metering Station. Actuator supplied loose.



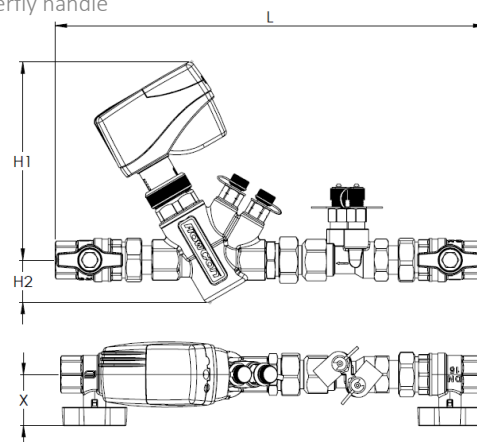
PZ.12.3.T.0

PZ.12.3.T.0.X

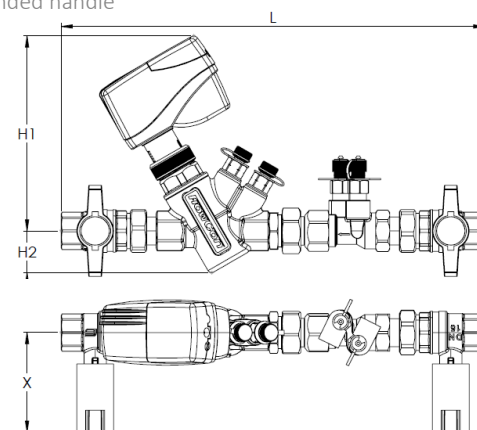


### DIMENSIONS

Butterfly handle



Extended handle



Butterfly handle				
Size	L	H1	H2	X
DN15	300	140	30	34.5
DN20	325	140	30	38
Dn25	390	140	30	46
DN32	455	160	45	63
DN40	750	175	100	80
DN50	835	175	100	90
Extended handle				
DN15	300	140	30	67
DN20	325	140	30	75
Dn25	390	140	30	79
DN32	455	160	45	105
DN40	750	175	100	111
DN50	835	175	100	121