

EasyLink80 PICV/S

H Block complete with PICV and Strainer



Features

- Fitted with PICV and Strainer (mesh filter - hole size: 0.5mm)
- For heating and cooling applications at 80mm centres
- Material DZR Brass CW602N
- Integrated union joints for easy valve alignment
- Tee handle isolation valves for flow, return and bypass
- Drains on the return
- PT plugs across the PICV to measure DP
- PT plug on the flow side for measuring the DP across the terminal unit
- Left and right hand versions available
- Thermic actuators available on request
- Optional Integral Venturi metering station for accurate flow verification. Kv-signal values: 0.263 - 9.72

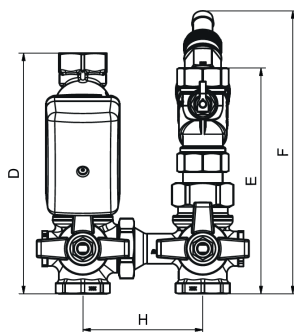
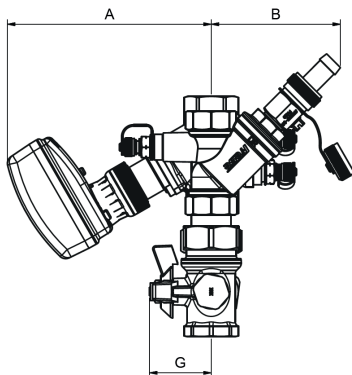
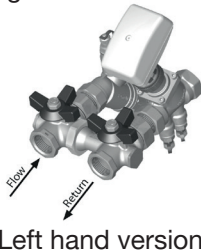
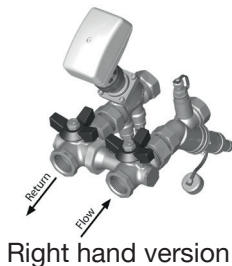
Technical data

Max pressure: 25 Bar

Maximum Differential pressure: 800kPa (8 Bar)

Working temp: 0°C to +120°C

Material: DZR Brass (CW602N) unless otherwise stated



KV values

(*Accuracy KV signal: +/-5%)

DN15XUL kvs Venturi	0.263 - 0.0075-0.023 l/s (Kv total: 0.25)**
DN15UL Kvs Venturi	0.55 - 0.017-0.045 l/s (Kv total: 0.61)**
DN15L Kvs Venturi	1.15 - 0.031-0.074 l/s (Kv total: 1.23)**
DN15 Kvs Venturi	2.80 - 0.062-0.148 l/s (Kv total: 3.63)**
DN20 Kvs Venturi	5.33 - 0.138-0.325 l/s (Kv total: 7.56)**
DN25 Kvs Venturi	9.72 - 0.258-0.603 l/s (Kv total: 13.61)**

**) Tolerance of nominal Kvs: ±3% (test according to BS7350)

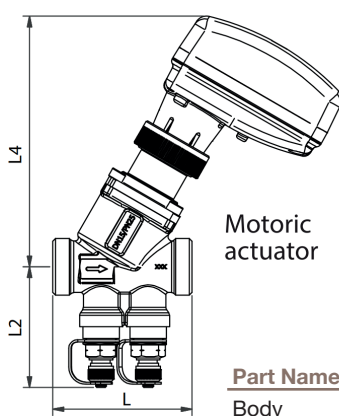
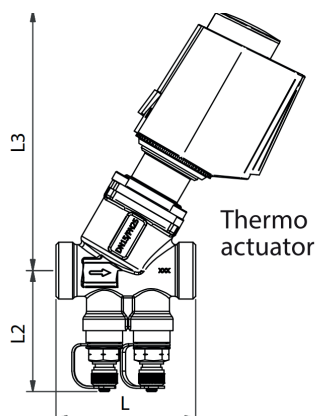
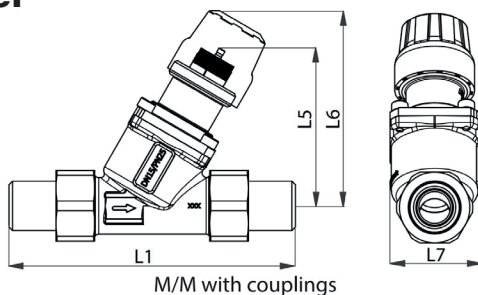
The flow ranges are a recommendation only. The measurement of higher flows is allowed, but the pressure loss on the selected metering station must be considered to avoid the excessive resistance.

DN	DN15	DN20	DN25	DN25L
A	117	117	120	135
B	74	86	92	92
D*	155/175	160/180	164/184	181/201
E	136	150	165	165
F	176	188	204	204
G*	41/88	41/88	41/88	41/88
H	80	80	80	80

*) Std Handle / Ext Handle

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Needles for DP measurement: Max diameter, Ø3.2mm
Length 25-40mm
Thread: ISO 228/1

When used at temperatures below 0°C, a stem heater must be used to prevent ice on the spindle.

The pipe system shall be properly ventilated to avoid risk of air pockets. Glycolic mixtures up to 50% are applicable (both ethylene and propylene).

Part Name	Material
Body	DZR Brass CW602N
O-Rings	EPDM
Spring	Stainless Steel
DP Controller	PPS 40% glass
Diaphragm	HNBR

DN	DN10	DN15	DN20	DN25/DN25L			
Thread	M/M G 1/2"	M/M G 3/4"	F/F G 1/2"	M/M G1"	F/F G 3/4"	M/M G1.1/4"	F/F G 1"
L	65	65	75	70	79	78/104	83/100
L1	114	122	-	131	-	-	-
L2	57	57	57	57	57	59/63	59/63
L3	121	121	121	121	121	124/139	124/139
L4	117	117	117	117	117	120/135	120/135
L5	68	68	68	68	68	68/85	68/85
L6	83	83	83	83	83	83/100	83/100
L7	38	38	38	38	38	38/63	38/63
Weight Basic (Kg)	0.36	0.38	0.42	0.40	0.45	0.51/1.02	0.55/1.04
Weight P/T (Kg)	0.45	0.47	0.52	0.50	0.54	0.62/1.12	0.65/1.14

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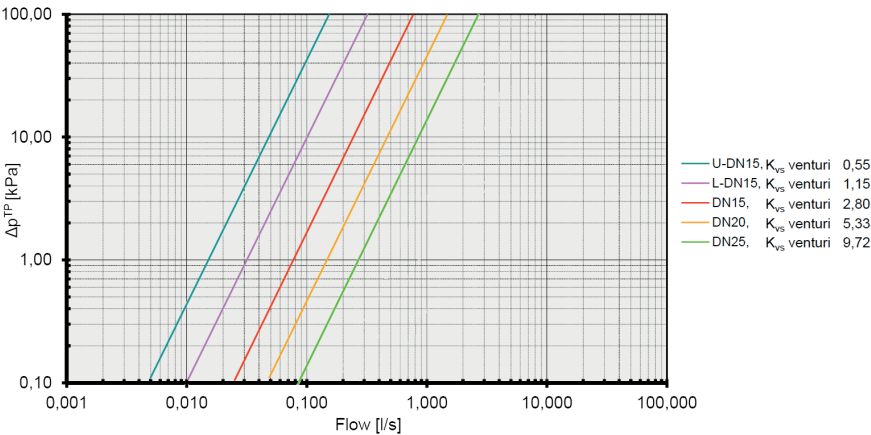
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PICV's Available - Flow Data

		DN10-DN15		DN15-DN20		DN20	DN25	DN25L
Type		Low		High		High	Low	High
Stroke	mm	2.5	5.0	2.5	5.0	5.5	5.5	5.5
	I/h	30-200	65-370	100-575	220-1,330	300-1,800	280-1,800	600-3,609
Flow	I/s	0.008-0.056	0.018-0.103	0.028-0.160	0.061-0.369	0.083-0.500	0.078-0.500	0.167-1.003
	gpm	0.13-0.88	0.29-1.63	0.44-2.53	0.97-5.85	1.32-7.93	1.23-7.93	2.64-15.89

Flow graph for Venturi Metering Station



$$Q = \frac{K_{vs}^{venturi} \cdot \sqrt{\Delta p^{TP}}}{36}$$

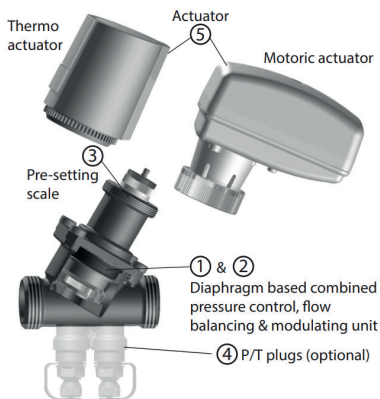
Formula linking flow Q (in l/s) and Δp measured at test points (in kPa).

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1. Differential pressure control
2. Modulating control component
3. Presetting scale (not accessible when the actuator is mounted)
 - a. Flow range: Low-High
 - b. Stroke: 2.5 - 5.0 - 5.5mm
4. Actuator
5. P/T Plugs



Operating Pressure

The EasyLink80 PICV can operate to a maximum differential pressure of 800kPa (8 bar).

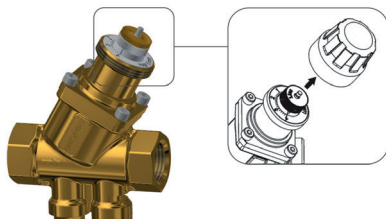
Close Off Pressure

The EasyLink is capable of closing against the following differential pressures to EN 1349 Class IV:

- DN10 to DN25: 600kPa (6 Bar) - based on 100N actuator force
- DN10 to DN25: 800kPa (8 Bar) - based on 160N actuator force
- DN25L to DN32: 800kPa (8 Bar) - based on 100N actuator force

Isolation

When fitted with the isolation cap the EasyLink is capable of isolation to 10 bar.



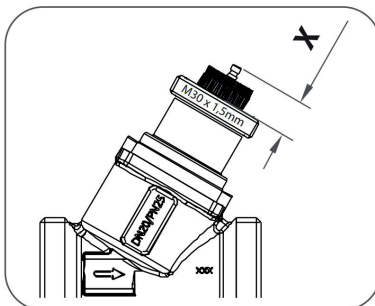
Actuator Requirements: DN10-DN32

Dimension 'X' in closed position:

- 2.5mm stroke = 11.4mm
- 5.0mm stroke = 9.3mm
- 5.5mm stroke = 8.8mm

Actuator minimum force: 100N

Actuator connection: M30 x 1.5mm



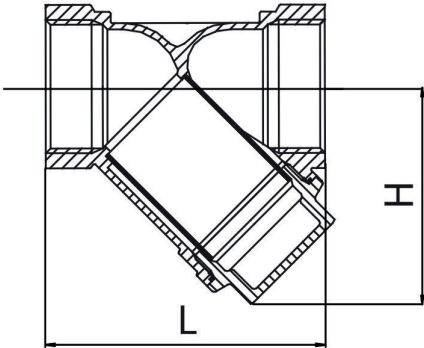
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Features

- Excellent corrosion resistance - DZR Body and Stainless Steel Filter.
- Filter Mesh (32, hole size 0.5mm) ensures high filtering performance.
- The filter can be easily replaced without removing the body of the strainer from the H Block arrangement.



DN	DN25
L	82
H	62
Kv	6.5
Kgs	0.44

Part Name	Material
Body	DZR Brass CW602N
Filter Mesh	Stainless Steel

Differential Pressure (kPa)

