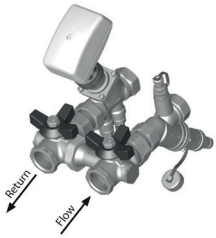
EasyLink80 PICV/S
H Block complete with PICV and Strainer

Features

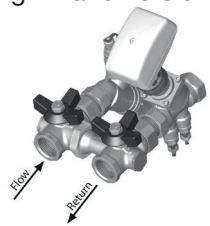
- Fitted with PICV and Strainer (mesh filter - hole size: 0.5mm)
- For heating and cooling applications at 80mm centres
- Material DZR Brass CW602N
- Integrated union joints for easy valve alignment
- Tee handle isolation valves for flow, return and bypass
- Drains on the return
- PT plugs across the 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

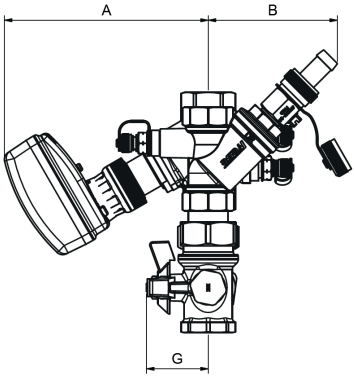
Max pressure: 25 Bar
Maximum Differential pressure: 800kPa (8 Bar)
Working temp: 0°C to +120°C
Material: DZR Brass (CW602N) unless otherwise stated

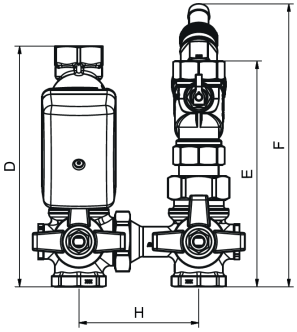


Right hand version



Left hand version





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**

Part Name	Material
Body	DZR Brass CW602N
O-Rings	EPDM

V2 Dimensions in mm

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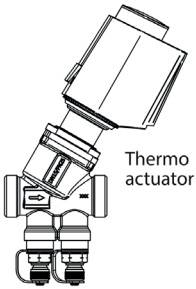
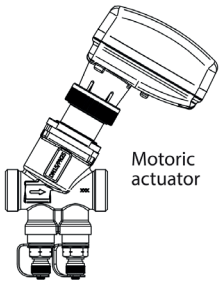
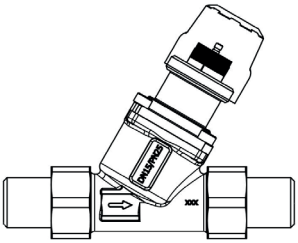
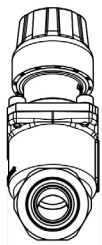
DN	KV values (*Accuracy KV signal: +/- 5%)		Flow Range (l/s)
	KV signal*	KV max	
DN15XUL	0.263	0.25	0.0075-0.023**
DN15UL	0.55	0.61	0.017-0.045**
DN15L	1.15	1.23	0.031-0.074**
DN15	2.80	3.63	0.062-0.148**
DN20	5.33	7.56	0.138-0.325**
DN25	9.72	13.61	0.258-0.603**

**) 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.









M/M with couplings

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.

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

V2 Dimensions in mm

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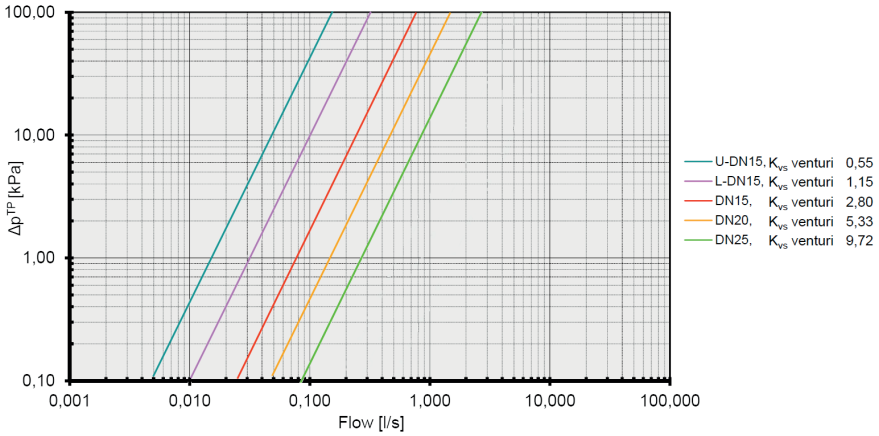
PICV's Available - Flow Data

		DN10-DN15		DN15-DN20		DN20	DN25	DN25
Type		Low		High		High	Low	High
Stroke	mm	2.5	5.0	2.5	5.0	5.5	5.5	5.5
Flow	l/h	30-200	65-370	100-575	220-1,330	300-1,800	280-1,800	600-3,609
	l/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

*Flows above 0.603 will generate a signal higher than 5kPa.

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).

V2 Dimensions in mm

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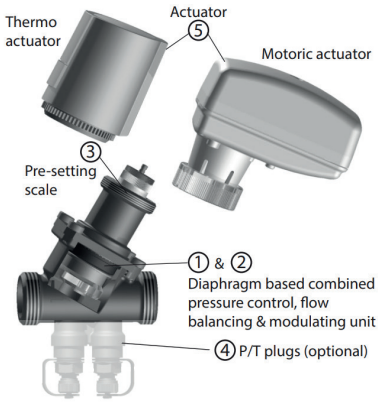
1. Differential pressure control
2. Modulating control component
3. Presetting scale (not accessible when the actuator is mounted)
    a. Flow range: Low-High
    b. Stroke: 2.5 - 5.0 - 5.5mm
4. Actuator
5. P/T Plugs

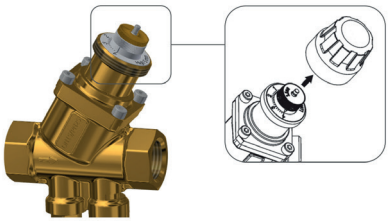


Operating Pressure
The EasyLink80 PICV can operate to a maximum differential pressure of 800kPa (8 bar).

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

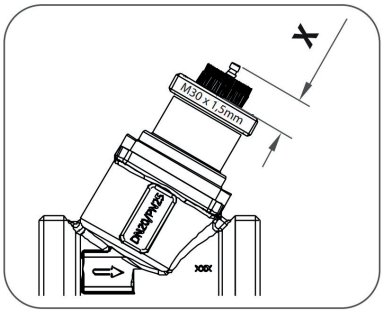
DN10 to DN25: 600kPa (6 Bar) - based on 100N actuator force
DN10 to DN25: 800kPa (8 Bar) - based on 160N actuator force
DN25L to DN32: 800kPa (8 Bar) - based on 100N actuator force

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



V2 Dimensions in mm

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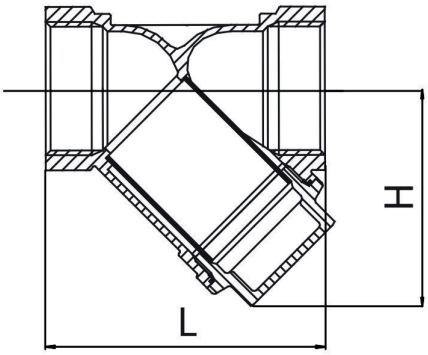
Features

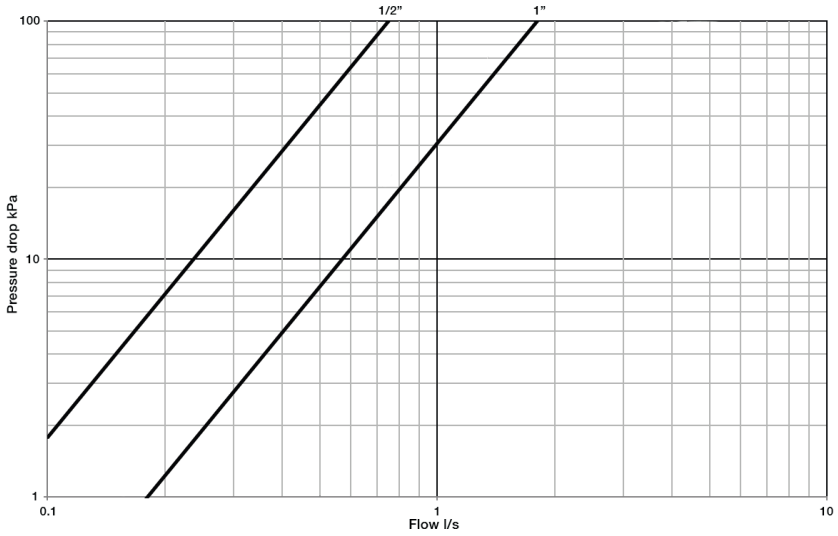
- Excellent corrosion resistance - DZR Body and Stainless Steel Filter.
- Filter Mesh (32, hole size 0.5mm) ensures high filtering performance.
- The filter can be easily replaced without removing the body of the strainer from the H Block arrangement.



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)



V2 Dimensions in mm