

# 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

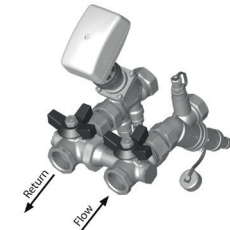
## Technical data

Max pressure: 25 Bar

Maximum Differential pressure: 800kPa (8 Bar)

Working temp: 0°C to +120°C

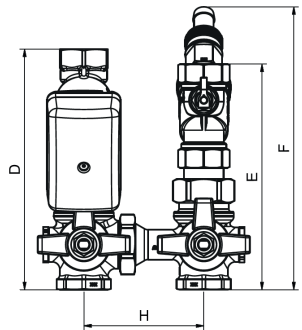
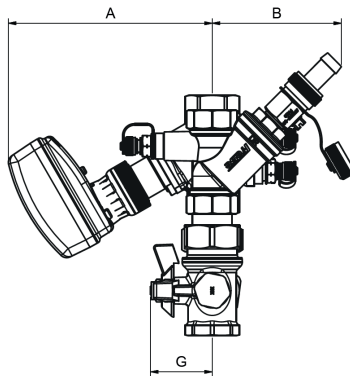
Material: DZR Brass (CW602N) unless otherwise stated



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

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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)

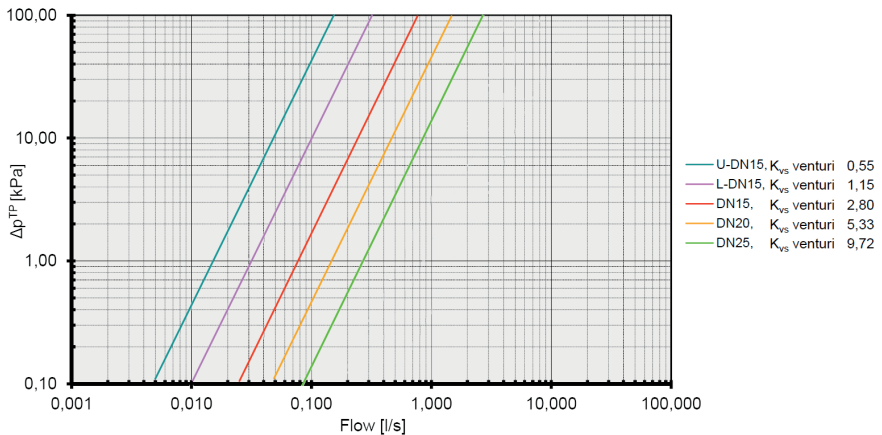
The flow ranges are a recommendation only. The measurement of higher flows is allowed, but the pressure loss on the selected metering station must be considered to avoid the excessive resistance. Therefore the flow rates below can be applied.

### 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	
	l/h	30-200	65-370	100-575	220-1,330	300-1,800	280-1,800	600-3,609
Flow	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



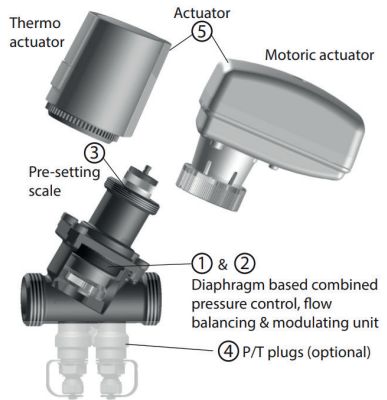
$$Q = \frac{K_{vs venturi} \cdot \sqrt{\Delta p^{TP}}}{36}$$

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

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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:

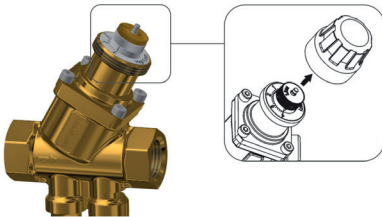
DN10 to DN25: 600kPa (6 Bar) - based on 100N actuator force

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.



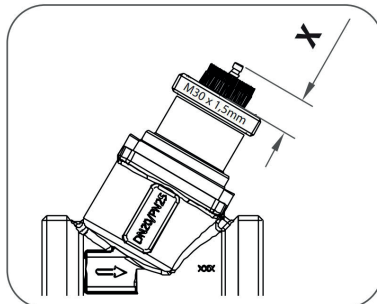
## Actuator Requirements: DN10-DN32

Dimension 'X' in closed position:

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

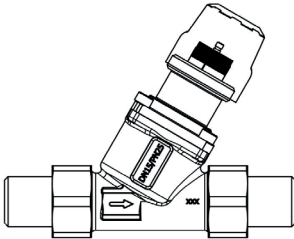
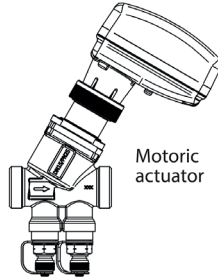
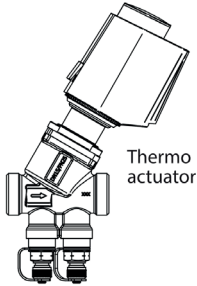
Actuator minimum force: 100N

Actuator connection: M30 x 1.5mm



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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

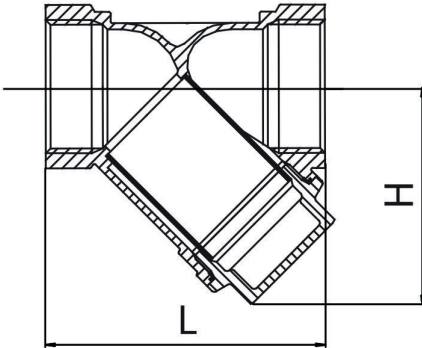
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### Features

- 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)

