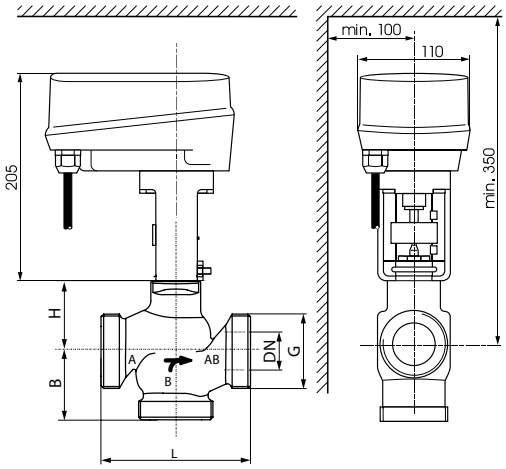
ZL30

3-way threaded motorized globe valves

Globe valves for interception and control of the water flow rate, with equal percentage feature, in ventilation, air-conditioning and heating systems.

Dimensions (mm)

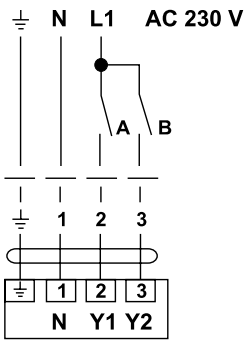
DN	L	B	H	G
15	80	55	46	1" 1/8
20	90	55	46	1" 1/4
25	110	55	52	1" 1/2
32	120	55	56	2
40	130	60	65	2" 1/4
50	150	65	65	2" 3/4



	Kv	DIN	Connection	Rated pressure	Actuation force	Rated trace	Trace time	Protection degree	Weight
	m³/h	mm		bar	N	mm	sec/mm		Kg
ZL30A	4	15	G 1 1/8	16	800	20	7,5	IP54	2,25
ZL30B	6,3	20	G 1 1/4	16	800	20	7,5	IP54	2,45
ZL30C	10	25	G 1 1/2	16	800	20	7,5	IP54	2,8
ZL30D	16	32	G 1 1/2	16	800	20	7,5	IP54	3,4
ZL30E	25	40	G 2 1/4	16	800	20	7,5	IP54	4,2
ZL30F	40	50	G 2 3/4	16	800	20	7,5	IP54	5,4

ELECTRICAL FEATURES

Power supply: 230V 50/60Hz.
Absorbed power 6VA.
Power supply cable 1m - 4x0,75 mm².
Tolerance range AC 198...264 V.
Dimensioning 7 VA.
Power consumption 6 W.



OPERATION

Globe valves are operated by a rotary servocontrol with bidirectional rotation.
Suitable for hot and cold water, antifreeze up to 50% of the volume.

STANDARDSANDHOMOLOGATIONS

In conformity with EMC CE, according to 89/336/EEC standards.
Low voltage directive CE in conformity with 73/23/EEC.

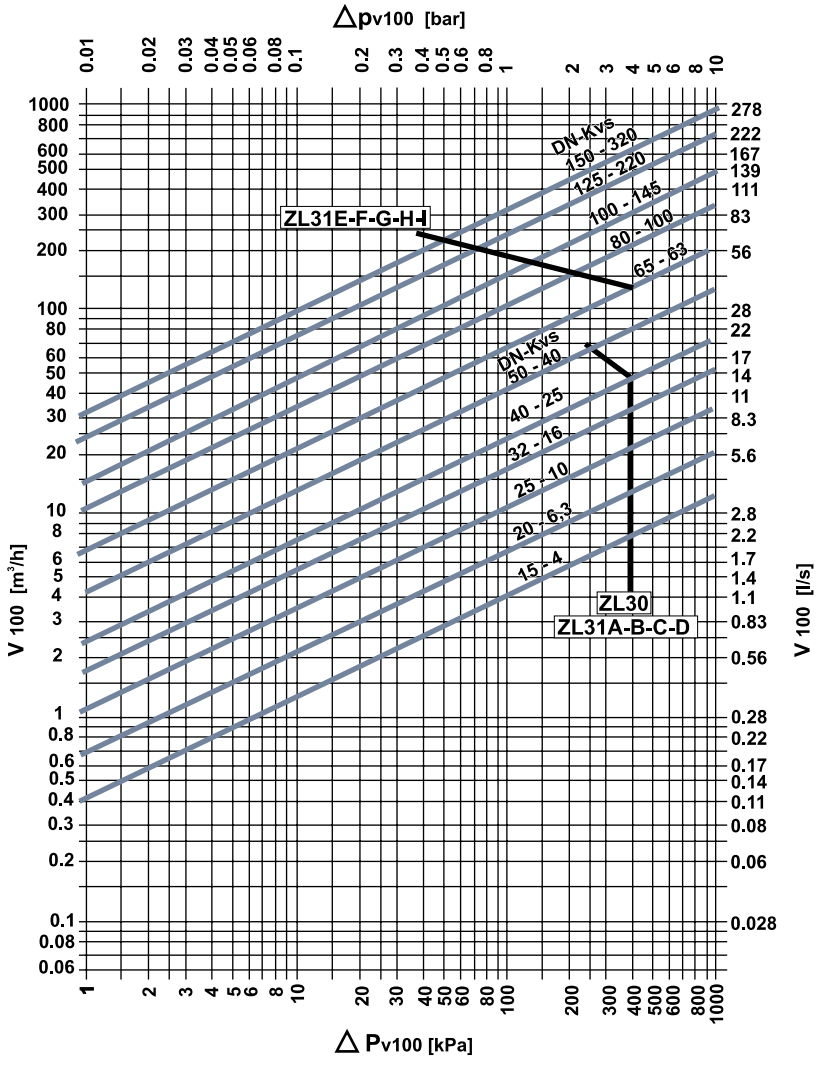
INSTALLATION

Threaded female connections ISO 228.
Vertical or horizontal mounting position.

FEATURES

Threaded connections ISO 228.
Cast-iron valve body.
Stainless steel valve stem.
PTFE seals.
Sealing gasket in EPDM O-ring.
Equal percentage regulation characteristic (ports A-AB).
Maximum leakage 1% of the flow rate value.
Manual control with hexagonal spanner.
Servocontrol cover in thermoplastic material.
Protection class I.
Ambient temperature: 0 ÷ 50°C.
Storage temperature: –40 ÷ 80°C.
Fluid temperature: 5 ÷ 120°C.
Max. differential pressure: 4 bar.
Sound level max. 35 dB (A).

GLOBE VALVES - LOAD LOSS



LEGEND

Δp^{max}

Maximum admissible pressure difference between A-AB ports referred to the completely open state

Δp^{max}

Δp^{v100}

Load loss with valve opened

v100 Nominal flow rate with Δp^{v100}

FORMULA FOR K_{VS}

$$K_{VS} = \frac{V_{100}}{\sqrt{\frac{\Delta P v100}{100}}}$$

K_{VS} [m³/h]

V_{100} [m³/h]

DEFINITION ΔPs:
Pressure value at which the actuator can still close the valve ensuring the necessary loss of load.