

## LZK Series Flow Auto Controller

### General

Only one set of LZK Series Flow Auto Controller can finish the adjustment process of one single circuit which assembles the flow meter, flow control valve and flow controller in one device. It has the features of high accuracy, anti-corrosive and easy operation. The typical applications are water/oil ration addition, water injection, and ration transferring of various liquids.



### Main Specifications

#### 1. Flow Range and Accuracy

##### A) Flow Range for Measuring Oil (Shown in Table 1)

DN (mm)	Normal flow range(m <sup>3</sup> /h)	Measurable flow range(m <sup>3</sup> /h)
	±0.5%	±1.0%
8	0.15~0.7	0.1~0.8
15	0.2~1	0.15~1.2
20	0.3~1.5	0.3~3
25	1~5	0.6~6
40	3~15	2~15
50	4~20	2.5~25

##### B) Flow Range for Measuring water and waste water (Shown in Table 2)

DN (mm)	Normal flow range(m <sup>3</sup> /h)		Measurable flow range(m <sup>3</sup> /h)
	±1.0%	±1.5%	±2.5%
8	0.15~0.7	0.1~0.8	0.08~0.8
15	0.2~1	0.15~1.2	0.12~1.5
20	0.3~1.5	0.3~3	0.2~4
25	1~5	0.6~6	0.5~7
40	3~15	2~15	1.5~15
50	4~20	2.5~25	2~25
80	10~80	10~100	6~100
100	30~200	20~200	18~250

2. Liquid Temperature: (-20~+80)°C, (0~+150)°C

3. Nominal Pressure (MPa): 1.6, 2.5, 4.0

4. Pressure Loss (MPa) < 0.2

5. Explosion-proof Marker: Exd II BT4.

6. Signal output: 0.1L/P, 1L/P (L-Liter; P-Pulse)

7. Flow Adjustment Range: (0~9.99) m<sup>3</sup>/h, (0~99.9) m<sup>3</sup>/h

8. Control Error: ±0.01 m<sup>3</sup>/h, ±0.1 m<sup>3</sup>/h

9. Time for process control: < 30s

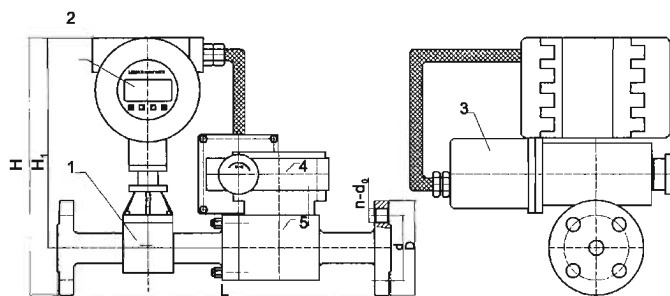
10. Exceeding adjustment range: Full flow range ±20%

11. Power consumption: < 5W

### Outline Dimension

DN (mm)	PN (MPa)	H	L	D	d	n	do	H1
LZK-15	2.5	300	330	95	65	4	14	275
LZK-20	2.5, 4.0	375	375	105	75	4	14	290
LZK-25	2.5, 4.0	420	420	115	85	4	14	270
LZK-40	2.5, 4.0	450	450	150	110	4	18	305
LZK-50	2.5, 4.0	528	528	165	125	4	18	305

### Structure and Installation



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1. Flowmeter 2. Microcontroller 3. Electromotor 4. Reduction gear parts 5. Control Valve