

FLOW METER (FLANGE CONNECTION)

DURABLE PLASTIC TUBE TYPE FLOW METER

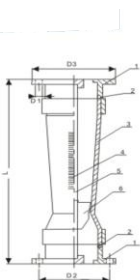


MODEL CODE : ELZS

Technical Parameters of ELZS Series Flow Meter (Flange Connection)

Model	Diameter (DN) mm	Range		Size (mm)								Suit pipe DN (mm)
		Long Tube Type	Short Tube Type	Long Tube Type				Short Tube Type				
ELZS-15	15	10-100/h 16-160/h 25-250/h 40-400/h	5-50/h 10-100/h 16-160/h 25-250/h 40-400/h	L	D1	D2	D3	L	D1	D2	D3	15
				320	14	65	95	241	14	65	95	
				470								
ELZS-20	15	60-600/h	100-1000/h	320	14	75	105	241	14	75	105	20
				470								
ELZS-25	25	100-1000/h 160-1600/h 250-2500/h	100-1000/h 160-1600/h 250-2500/h	432	16	85	115	281	16	85	115	25
				470								
ELZS-32	32		0.4-4m ³ /h 0.6-6m ³ /h					355	17	100	140	
ELZS-40	40	0.4-4m ³ /h (with leader) 0.6-6m ³ /h (with Leader) 1-10 m ³ /h (with leader)		570	18	110	150	500	18	110	150	40
ELZS-50	50	0.4-4m ³ /h 0.6-6m ³ /h 1-10 m ³ /h 1.6-16 m ³ /h	0.4-4m ³ /h 0.6-6m ³ /h 1-10 m ³ /h 1.6-16 m ³ /h	520	18	125	165	430	18	125	165	50
				570								
ELZS-65	65	with leader	2.5-16 m ³ /h 5-25 m ³ /h 8-40 m ³ 12-60 m ³ /h					530	18	145	185	65
ELZS-80	65		2.5-16 m ³ /h 5-25 m ³ /h 8-40 m ³ 12-60 m ³ /h					540	18	160	200	80
ELZS-100	100	14-90 m ³ /h 18-120 m ³ /h 20-150 m ³	14-90 m ³ /h 18-120 m ³ /h 20-150 m ³	550	18	180	215	510	18	180	215	100
ELZS-125	125							540		180		
ELZS-125	125	25-180 m ³ /h	25-180 m ³ /h	550	18	210	250	510	18	210	250	125
ELZS-150	150	25-200 m ³ /h	25-200 m ³ /h	560	22	240	280	510	22	240	280	150

1. Flange
2. O-ring
3. Taper Tube
4. Scale
5. Leader
6. Float



Flange Connection

Long Flange

Short Flange

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ELZS-E/G

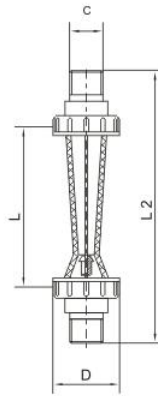
Model	DN	Range			Accuracy	Temp ° C	Pressure
		GPM	LPM	m ³ / h			
ELZS-15E	15	0.1-1	0.5-4	10-100l/h 16-160l/h 25-250l/h 40-400l/h 50-500l/h 60-600l/h 100-1000l/h	± 4%	0-60	≤ 0.6MPa
ELZS-15G		0.2-2	1-7			0-100	
ELZS-15EC	15	0.1-1	0.5-4	10-100l/h 16-160l/h 25-250l/h 40-400l/h 50-500l/h 60-600l/h 100-1000l/h		0-60	
ELZS-15GC		0.2-2	1-7			0-100	
ELZS-25E	25	0.8-8	3-30	0.25-2.5 0.16-1.6 0.1-1		0-60	
ELZS-25G		1-10	4-40			0-100	
ELZS-32E	32	1.2-12	5-80	0.4-4 0.6-6		0-60	
ELZS-32G		2-20	8-80			0-100	
ELZS-50E	50	2.5-25	10-100	0.4-4 0.6-6 1-10 1.6-16		0-60	
ELZS-50G		5-45	20-180			0-100	
ELZS-65E	65	25-110	80-400	5-25 8-40 12-60		0-60	
ELZS-65G		40-160	150-650			0-100	
		50-250	200-1000				



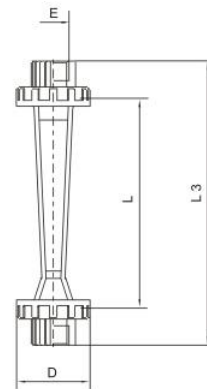
Dn15 - DN50



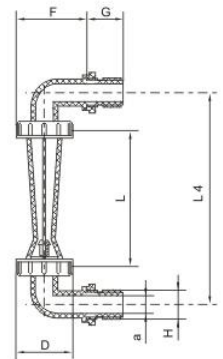
Joint



Male



Female



Elbow

Polysulfone (PSU) or PC body, Fitting made of PVC ABS or SS Floats Capable of withstanding higher temperatures, Thread joint and panel-mounted fitting are easy to install, economical and enduring.

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KLZS-E/G Dimensions for Installation

Model	L	D	Joint		Male		Female		Elbow					
			L1	B1	B2	L2	C	L3	E	L4	F	G	A	H
ELZS-15E	100	Φ42	150	Φ20	Φ26	170	½ 'BSP	/	/	155	52	27	Φ13	½ 'BSP
ELZS-15G							½ 'NPT							½ 'NPT
ELZS-15EC	160	Φ50	210	Φ20	Φ26	225	½ 'BSP	210	½ 'BSP	220	56	27	Φ13	½ 'BSP
ELZS-15GC							½ 'NPT		½ 'NPT					½ 'NPT
ELZS-25E	170	Φ59	230	Φ32	Φ39	250	¾ 'NPT	225	¾ 'BSP	270	71	28	Φ20	¾ 'BSP
ELZS-25G							¾ 'NPT		¾ 'NPT					¾ 'NPT
ELZS-32E	225	Φ72	290	Φ40	Φ49	310	1 'NPT	290	1 'BSP	345	86	35	Φ26	1 'BSP
ELZS-32G							1 'NPT		1 'NPT					1 'NPT
ELZS-50E	290	Φ98	375	Φ63	Φ73	400	2 'NPT	370	2 'NPT	440	109	40	Φ45	2 'BSP
ELZS-50G							2 'NPT		2 'NPT					2 'NPT
ELZS-60E	325	Φ120	420	Φ75	Φ89	445	2 ½ 'NPT	420	2 ½ 'NPT	/	/	/	/	/
ELZS-65G							/		/					/

VARIABLE AREA FLOWMETER WITH ALARM LIMIT SWITCH

1. PHILOSOPHY

Switch on/off is actually magnetic float contact open/close after magnetron bistable exciting. Alarm sound and light are based on the switch position of on/off linked to relays among other parts and elements.

2. FUNCTIONS AND APPLICATIONS

BJ01 : High Alarm Limit Switch (HA)

BJ02: Low Alarm Limit Switch (LA)

Both BJ01 and BJ02 are able to send relevant signals at maximum, middle and minimum flow. The switches are mounted on certain selected position of rail and whenever magnetic float reaches or passes the switch level, signals will be sent out for internal contact actuation of either opening or closing.

3. TECHNICAL PARAMETER

Operating Voltage: Max DC 24 V / AC 24 V

Operating Current: ≤0.3A

Steady Current at switches opening or closing: max DC0.1 A

Interruption Capacity: ≤10 W

Insulation Impedance: >10 Ω

Working Temperature: 0°C to +55°C

Protection Grading: IP65

Displacement (Position ON & OFF): ≤4mm

4. PRECAUTIONS

- 1) Keep off from ambient magnetic disturbance during mounting e.g. large motors etc.
- 2) Flow media should be free from ferromagnetic foreign matters
- 3) Ensure pipes or tubes to be mounted with the flowmeters free from any potential vibration in case switch contact actuates accidentally.

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DATASHEET OF ELZM SERIES FLOWMETER WITH ALARM LIMIT SWITCHES

Model	GPM (Liquid)		Thread	Accuracy
	GPM (Liquid)	GPM (Liquid)		
ELZM-25Z	1-10	5-35	(M) 1" BSPT	± 4%
	1-15	5-50		
	2-14	10-50		
	2-20	10-70		
	5-35	10-130		
	5-40	10-150		
	5-45	10-170		
		0.3-2.1 m ³ /h		
	0.6-3 m ³ /h			
	0.6-4.2 m ³ /h			
ELZM-25 ELZM-25J	1.5-15	6-60		
	3-13	10-50		
	4-24	10-100		
	5-35	10-130		
	5-45	10-170		
ELZM-25G ELZM-40G	1-15	5-60	25G (F) 1" BSP 40G (M) 1 1/2" BSP	
	2-20	10-70		
	5-30	20-110		
	5-40	20-150		



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DATASHEET OF KLZM SERIES FLOWMETER WITH ALARM LIMIT SWITCHES

Model	Diameter (mm)	Range		Accuracy	Media Conditions	
		Long Tube Style	Short Tube Style		Temperature °C	Pressure (MPa)
ELZS-15	15	10-100l/h	10-100l/h	± 4%	0-60	≤ 0.6
		16-160l/h	16-160l/h			
		25-250l/h	25-250l/h			
		40-400l/h	40-400l/h			
		60-600l/h	60-600l/h			
100-1000l/h	100-1000l/h					
ELZS-25	25	100-100l/h	100-1000l/h			
		160-1600l/h	160-1600l/h			
		250-2500l/h	4-40 l/min 250-2500l/h			
ELZS-32	32		0.4-4m ³ /h 0.6-6m ³ /h			
ELZS-50	50	0.4-4m ³ /h	1-10m ³ /h			
		0.6-6m ³ /h	1.6-16m ³ /h			
		1-10m ³ /h				
		1.6-16m ³ /h				
ELZS-60	65		2.5-16m ³ /h 5-25m ³ /h 8-40m ³ /h 12-60m ³ /h			
ELZS-100	100	14-90m ³ /h	14-90m ³ /h			
		18-120m ³ /h	18-120m ³ /h			
ELZS-125	125	20-150m ³ /h	20-150m ³ /h			
ELZS-150	150	25-180m ³ /h	25-180m ³ /h			
		25-200m ³ /h	25-200m ³ /h			

Note: If the flowmeters of ELZS-100, 125, 150 requires with alarm switch can be customized



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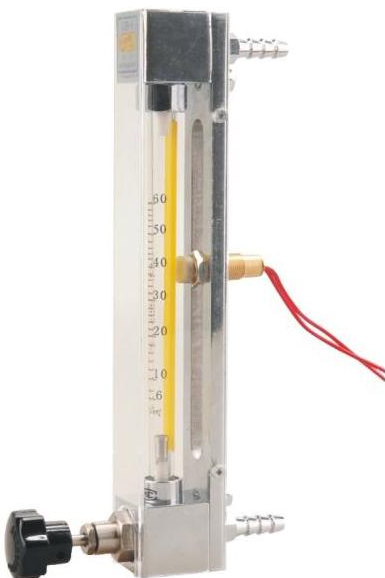


MODEL CODE : ELZS

DATASHEET OF KLZB SERIES FLOWMETER WITH ALARM LIMIT SWITCHES

Model		ELZB-10	ELZB-15	ELZB-25
Diameter (mm)		Φ10	Φ15	Φ25
Range	l/h (Liquid)	6-60	*6-60	40-400
		10-100	*8-80	60-600
		16-160	16-160	100-1000
			25-250	*160-1600
	Nm ³ /h (Gas)		40-400	
		0.1-1	0.25-2.5	*0.8-8
			0.4-4	1-10
			0.6-6	1.6-16
			*0.8-8	2.5-25
			*1-10	*3-30
		*4-40		
Accuracy ± %			2.5	1.5
Working Pressure (MPa)			≤0.6	≤0.6

Range with * represents customer tailored special range.



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Effex
INDUSTRIALSOLUTIONS

MODEL CODE : ELZS

DATASHEET OF ELZB SERIES FLOWMETER WITH ALARM LIMIT SWITCHES

Model	ELZB-40	ELZB-50	ELZB-80	ELZB-100	ELZB-100	
Diameter (mm)	Φ40	Φ50	Φ80	Φ100	Φ100	
Range	l/h (Liquid)	160-1600	*160-1600	1-10 m ³ /h	5-25 m ³ /h	*20-90 m ³ /h
		*180-1800	400-4000	1.6-16 m ³ /h	*6-35 m ³ /h	*20-100 m ³ /h
		250-2500	600-6000	*2-20 m ³ /h	8-40 m ³ /h	*30-100 m ³ /h
		*300-3000	*800-8000	*3-25 m ³ /h	*12-60 m ³ /h	*50-120 m ³ /h
		*400-4000	*1-10 m ³ /h	*8-40 m ³ /h	*16-80 m ³ /h	
	Nm ³ /h (Gas)	*1.5 m ³ /h	*4-16 m ³ /h			
		*1.5-6 m ³ /h				
		4-40	*6-60	50-250	*60-200	*300-1500
		*5-50	10-100	80-400	*80-400	*300-1600
		6-60	16-160	*750-7500 m ³ /h	*100-500	*400-2000
		*7-70	*20-200	*6-60	120-600	*500-2500
		*8-80	*30-300		200-1000	
	*10-100	*50-250				
		*80-400				
Accuracy ± %	1.5	1.5	1.5	1.5	1.5	
Working Pressure (MPa)	≤ 0.6	≤ 0.6	≤ 0.4	≤ 0.4	≤ 0.4	

Range with * represents customer tailored special range.



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