

FLOWMETER SERIES

2022

ecoeARTH
TECHNOLOGY

ECO EARTH TECHNOLOGY PTE LTD



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LZT Series Acrylic Flowmeter / P1-7



LZS Series Durable Plastic Tube Type flowmeter / P8-10



KF600 Orifice Plate Flowmeter/ P11-14



LZB Series Glass Tube Flowmeter / P15-26



LZ Series Variable-area Flowmeter / P27-33



LW Turbine Flowmeter / P34-35



LD Series Electromagnetic Flowmeter / P36-42



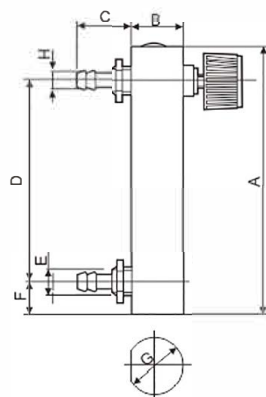
LZT Series Acrylic Flow Meter

LZT Series panel and pipe flow meter

LZT Serial flow meter , which is made of Acrylic, is used to measure the single-phase non-pulsating flux of liquid or gas . It is featured in beautiful look, low weight and durability.

LZT-6TO₂ Oxygen flowmeter for concentrator

This flow meter is mainly used for measuring and controlling the flow of Oxygen in Oxygen concentrator.



Technical Parameters of LZT-6TO₂ Serises flow meter

Model	No.	Range (L/min)	Connection Type	Accuracy	Size(mm)							
					A	B	C	D	E	F	G	H
LZT-6TO ₂	3	0-5 0-10	hose connction	± 5%	93	20	21or19	70	M10X1 or 9/16-18	10	22	8
	4	0-5			96	20		70		13	22	8
	5	0-5 0.1-1 0-10 4-25			106	20		80		13	22	8
	6	0-5 0-10			108	20		70		25	22	8
	7	0-5 0-10			116	20		90		13	22	8

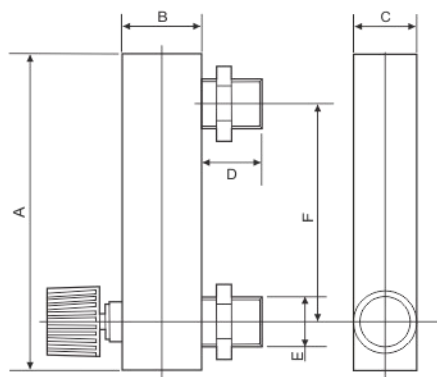
The material of LZT-6TO₂ Series flow meter

With valve	Valve	Fitting	O-ring
T-with O-without	√ 1.Brass 2.SS	1.Brass √ 2.Brass chromeplate 3.SS 4.POM plastic	1.Fluoroplastic rubber √ 2.Butyl

Note: Mark with "√" , the material of the flow meter is the General Configuration.

LZT Series Acrylic Flow Meter

LZT-4T、6T、8T Panel flowmeter



Technical Parameters of LZT-4T、6T、8T Series flow meter

Model	Range			Screw Thread	Accuracy	Size(mm)					
	ML/min (Liquid)	L/min (Gas)				A	B	C	D	E	F
LZT-4T	6-60 8-80 10-100 40-400	0.1-1 0.25-2.5 1-10	0.2-2 1-4 1-12	Quick plug	± 4%	94	27	21	14	14	70
LZT-6T	2-20LPH 4-40LPH 6-60LPH 10-100LPH 10-70GPH	0.5-5 2-20 5-50 10-100	1-10 4-40 6-60	FemaleZG1/4"		102	30	25	18	M18x1.5	76
LZT-8T	2.5-25LPH 5-45LPH 6-60LPH	0.1-1m³/h 0.16-1.6m³/h 0.2-2m³/h				110	25	25	18	M18x1.5	80

The material of LZT-4T、6T、8T Series flow meter

With valve	Valve	Fitting	O-ring
T-with O-without	√ 1.Brass 2.SS	1.Brass √ 2.Brass chromeplate 3.SS	√ 1.Silicone ring 2.Fluoroplastic rubber 3.Butyl

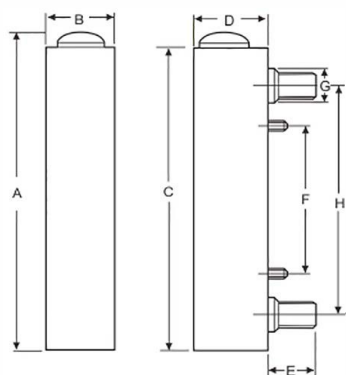
Note: Mark with "√", the material of the flow meter is the General Configuration.

Purchasing Guide: Please fill in the model, specifications, code

LZT- Model Valve Range Fitting O-ring

LZT Series Acrylic Flow Meter

LZT-Series panel flowmeter



Technical Parameters of LZT series flow meter

Model	Range			Screw thread	Accuracy	Size (mm)								
	GPM(Liquid)	LPM(Liquid)	Nm³/h(Gas)			A	B	C	D	E	F	G	H	
LZT-15		10-100LPH 16-160LPH 25-250LPH		0.1-1 0.16-1.6 0.25-2.5 0.4-4 0.6-6 1-10 1.6-16 2-20 2.5-25 3-30 4-40	MaleZG1/2" FemaleZG1/4"	± 4%	175	32	168	35	25	76	25	127
	0.05-0.5	0.2-1.8												
	0.1-1	0.5-4												
	0.2-2	1-7												
	0.3-3	1-11												
	0.5-5	2-18												
LZT-25	1-10	5-35		2.5-25 4-40 6-60 10-100 16-160 20-100 25-250 30-300 35-350	MaleZG1"	± 4%	236	45	228	46	33	101.6	37	165
	2-16	12-60												
	2-14	12-52												
	2-20	10-70												
	5-35	30-130												
	4-40	15-150												
	5-45	20-170												

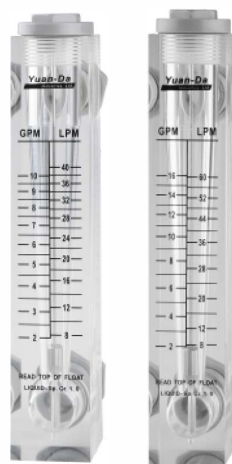
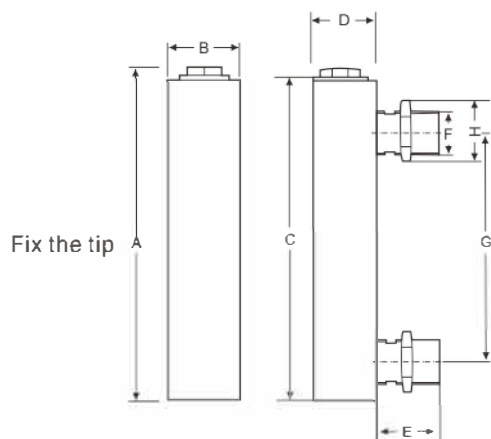
The material of LZT Series flow meter

With valve	Valve	Fitting	O-ring
T-with O-without	√ 1.Brass 2.SS	1.ABS 2.PP √ 3.PVC 4.Brass 5.Brass chromeplate 6.SS	√ 1.Silicone rubber 2.Fluoroplastic rubber

Note: Mark with "√", the material of the flow meter is the General Configuration.

LZT Series Acrylic Flow Meter

LZT-J Series panel flowmeter



Technical Parameters of LZT -J series flow meter

Model	Range			Screw thread	Accuracy	Size (mm)								
	GPM(Liquid)	LPM(Liquid)	Nm³/h(Gas)			A	B	C	D	E	F	G	H	
LZT-15J	0.1-1	0.5-4	1-10 4-40	1.6-16	MaleZG/12" MaleZ1½"	± 4%	216	32	206	37	33	1½"	165	30
	0.2-2	1-7												
	0.3-3	1-11												
	0.5-5	2-18												
	1-7	2-28												
LZT-20J	1.5-9	5-35	2.5-25 16-160	6-60	MaleZG3/4" MaleZ3/4"		233	39	220	44	49	¾"	165	32
	2-10	8-40												
	2-16	8-60												
LZT-25J	2-20	8-80	20-200 25-250		MaleZG1" MaleZ1"		253	44	240	50	48	1"	175	40
	1.5-15	6-60												
	3-13	10-50												
	4-24	10-100												
	5-35	10-130												
LZT-40J	5-45	10-170			MaleZG1½" MaleZ1½"		265	65	250	65	33	1-½"	170	52
	10-45	40-170												
	15-50	60-200												
	10-60	60-240												
	20-70	80-260												
	20-80	80-300												

The material of LZT-J Series flow meter

With valve	Valve	Fitting	O-ring
T-with O-without	√ 1.Brass 2.SS	1.ABS 2.PP √ 3.PVC 4.Brass 5.Brass chromeplate 6.SS	√ 1.Silicone rubber 2.Fluoroplastic rubber

Note: Mark with "√", the material of the flow meter is the General Configuration.

LZT Series Acrylic Flow Meter

Technical Parameters of LZT -T/JT series flow meter

Model	Range			Screw thread	Accuracy
	GPM(Liquid)	LPM(Liquid)	Nm³/h(Gas)		
LZT-15T		10-150LPH	0.6-6 1-10 1.6-16 2.5-25 4-40	MaleZG1/2" FemaleZG1/4"	± 4%
		16-160LPH			
		25-250LPH			
	0.1-1	0.5-4			
	0.2-2	1-7			
	0.3-3	1-11			
	0.5-5	2-18			
LZT-25T	2-10	10-35	20-100 40-160 50-250	MaleZG1"	
	4-14	15-50			
	6-20	20-70			
	10-35	30-130			
	10-40	30-150			
	15-45	50-170			
LZT-15JT	0.1-1	0.5-4	1-10 1.6-16 4-40	MaleZ1½"	
	0.2-2	0.8-8			
	0.3-3	1-11			
	0.5-5	2-18			
LZT-20JT	2-10	8-40	2.5-25 6-60 16-80 16-160	MaleZ3/4"	
	2-16	8-60			
	2-20	8-80			
LZT-25JT	3-13	10-50	20-200 25-250	MaleZ1"	
	6-24	20-100			
	10-35	30-130			
	10-45	30-170			

LZT-T/JT and LZT-J Series the size is same, please reference P3, P4.



The material of LZT Series flow meter

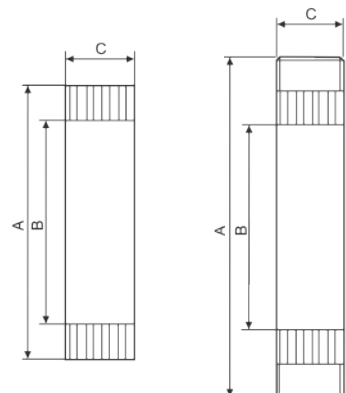
With valve	Fitting	O-ring
✓ T-with O-without	1.ABS 2.PP ✓ 3.PVC 4.Brass 5.Brass chromeplate 6.SS	✓ 1.Silicone rubber 2.Fluoroplastic rubber

Note: Mark with "✓", the material of the flow meter is the General Configuration.

LZT Series Acrylic Flow Meter

Technical Parameters of LZT -G series flow meter

Model	Range			Screw thread	Accuracy
	GPM(Liquid)	LPM(Liquid)	Nm³/h(Gas)		
LZT-15G LZT-15GF		10-100LPH	0.1-1 0.3-3 0.6-6 1-10 1.6-16 2.5-25 4-40	FemaleZG1/2"	± 4%
		16-160LPH			
		25-150LPH			
	0.05-0.5	0.2-2			
	0.1-1	0.5-4			
	0.2-2	1-7			
LZT-20G LZT-20GF	0.3-3	1-11	4-40	FemaleZG3/4"	
	0.5-5	2-18			
	1-10	5-35			
LZT-25G LZT-25GF	2-16	10-60	6-60 10-100 15-140	FemaleZG1"	
	2-20	10-70			
	1-10	5-35			
	2-16	10-60			
	2-20	10-70			
LZT-40G LZT-40GF	3-30	12-120	6-60 10-100 15-140 16-160 25-250 30-300	FemaleZG1-1/2"	
	4-40	15-150			
	5-45	20-170			
	4-40	15-150			
	6-60	25-240			
LZT-50G LZT-50GF	8-80	30-300	100-500 120-600 300-850 400-1200 500-1400	Female 、 MaleG2"	
	10-100	50-350			
	20-80	80-300			
	20-100	80-360			
	40-120	150-450			
LZT-75G	50-150	150-600		MaleG3"	
	50-200	200-800			
	50-300	200-1000			
	50-400	200-1500			



Female thread connection

Male thread connection

LZT-G Pipe flowmeter dimension

Model	Size (mm)		
	A	B	C
LZT-15G	210	180	32
LZT-20G	278	210	45
LZT-25G	265	235	51
LZT-40G	302	230	68
LZT-50G外	380	270	75
LZT-50G内	340	270	75
LZT-75G	400	290	100

Note:For buyer' s convenience, we design two consturctions for this series of flowmeter, one is circular, and the other one is quadrate, their measure range is same, LZT-G Circular tube type flowmeter, LZT-GF Quadrate tube type flowmeter. The LZT-G series diameter C is the width and height of the LZT-GF series, the same size as the A and B.

The material of LZT -G Series flow meter

Fitting	O-ring
1.ABS 2.PP ✓ 3.PVC 4.Brass 5.Brass chromeplate 6.SS	✓ 1.Silicone ring 2.Fluoroplastic rubber 3.Butyl

Note: Mark with "✓", the material of the flow meter is the General Configuration.

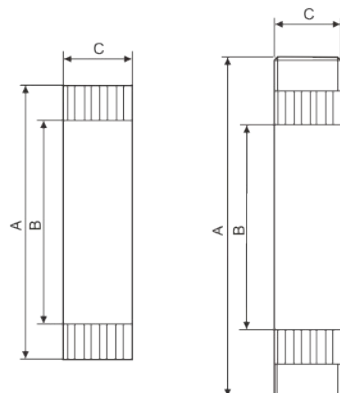
Purchasing Guide: Please fill in the model, specifications, code

LZT- Model Valve Range Fitting O-ring

LZT Series Acrylic Flow Meter

Technical Parameters of LZT -G Serises flow meter

Model	Range			Screw thread	Accuracy
	GPM(Liquid)	LPM(Liquid)	Nm³/h(Gas)		
LZT-15GL LZT-15GLF		10-100LPH	0.1-1 0.3-3 0.6-6 1-10 1.6-16 2.5-25 4-40	FemaleZG1/2"	± 4%
		16-160LPH			
		25-150LPH			
	0.05-0.5	0.2-2			
	0.1-1	0.5-4			
	0.2-2	1-7			
	0.3-3	1-11			
	2-18				
LZT-20GL LZT-20GLF	1-10	5-35	6-60 10-100 15-140	FemaleZG3/4"	
	2-16	10-60			
	2-20	10-70			
LZT-25GL LZT-25GLF	1-10	5-35	6-60 10-100 15-140 16-160 25-250 30-300	FemaleZG1"	
	2-16	10-60			
	2-20	10-70			
	3-30	12-120			
	4-40	15-150			
	5-45	20-170			
LZT-40GL LZT-40GLF	4-40	15-150		Female ZG1-1/2"	
	6-60	25-240			
	8-80	30-300			
	10-100	50-350			



Female thread connection

Male thread connection

LZT-GL Pipe flowmeter dimension

Model	Size (mm)		
	A	B	C
LZM-15GL	210	180	32
LZM-20GL	278	236	45
LZM-25GL	265	235	51
LZM-40GL	306	235	51

Note:For buyer' s convenience, we design two consturctions for this series of flowmeter, one is circular, and the other one is quadrate, their measure range is same, LZT-GL Circular tube type flowmeter, LZT-GLF Quadrate tube type flowmeter.

The material of LZT -GL Series flow meter

Fitting	O-ring
1.ABS 2.PP ✓ 3.PVC 4.Brass 5.Brass chromeplate 6.SS	✓ 1.Silicone ring 2.Fluoroplastic rubber 3.Butyl

Note: Mark with "✓", the material of the flow meter is the General Configuration.

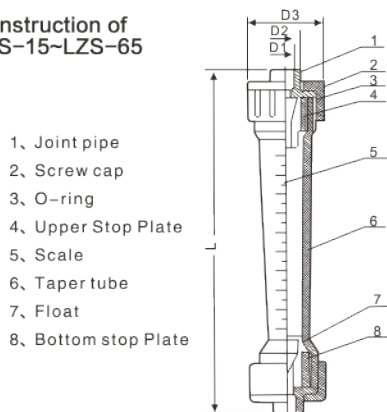
Purchasing Guide: Please fill in the model, specifications, code

LZT- Model Valve Range Fitting O-ring

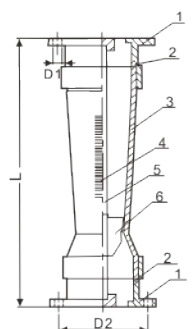
LZS-Durable Plastic Tube Type Flowmeter

LZS-Plastic flowmeter

Construction of
LZS-15~LZS-65



1, Flange
2, O-ring
3, Taper tube
4, Scale
5, Guide rod
6, Float



Construction of
LZS-100~LZS-150



Technical Parameters of LZS Series flow meter

Model	Diameter (DN)mm	Range		Accuracy	Conditions		Size (mm)								Suit pipe Dg(mm)
		Long tube type(L)	Short tube type(D)		Temperature℃	Pressure Mpa	Long tube type				Short tube type				
LZS-15	15	10-100l/h 16-160l/h 25-250l/h 40-400l/h 60-600l/h	5-50l/h 10-100l/h 16-160l/h 25-250l/h 40-400l/h 50-500l/h 60-600l/h 100-1000l/h	±4%	0-60	≤0.6	L	D1	D2	D3	L	D1	D2	D3	15or20
							280	20	26	45	202	20	26	45	
LZS-25	25	100-1000l/h 160-1600l/h 250-2500l/h	100-1000l/h 160-1600l/h 250-2500l/h				380	32	39	68	226	32	39	60	25or32
LZS-32	32		0.4-4m³/h 0.6-6m³/h								288	40	49.5	74	32or40
LZS-50	50	0.4-4m³/h 0.6-6m³/h 1-10m³/h 1.6-16m³/h	1-10m³/h 1.6-16m³/h				430	63	73	98	341	63	73	98	50or65
LZS-65	65		2.5-16m³/h 5-25m³/h 8-40m³/h 12-60m³/h								430	75	88	122	65or75
LZS-100	100		14-90m³/h 18-120m³/h								510	18	180		100
LZS-125	125		14-90m³/h 18-120m³/h 20-150m³/h 25-180m³/h								510	18	180		125
LZS-150	150		14-90m³/h 20-120m³/h 25-150m³/h 25-180m³/h 25-200m³/h								510	18	180		150

LZS-plastic flowmeter Parts material

Taper tube:AS, Joint pipe(flange)、
Screw cap、Stop Plate、Float : ABS

Note

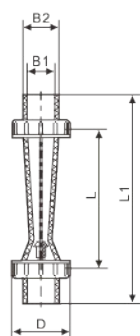
Long tube without guide rod, Short tube type with guide rod

LZS-Durable Plastic Tube Type Flowmeter

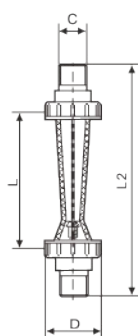
LZS-E Durable Plastic tube type flowmeter

Main parts: PC body, Fitting made of PVC, ABS or SS float.

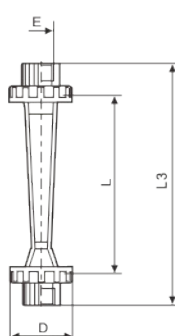
Thread joint and panel-mounted fittings are easy to install, economical and durable.



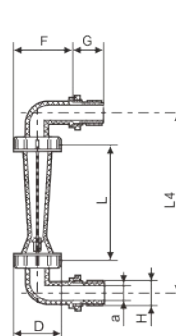
Joint (P)



Male (M)



Female (F)



Elbow (W)

LZS-E Datasheet

Model	DN	Range		Accuracy	Tem °C	Pressure
		GPM	LPM			
LZS-15E	15	0.1-1	0.5-4	± 4%	0-60	≤ 1MPa
		0.2-2	1-7		0-100	
		0.5-5	1.8-18		0-60	
LZS-25E	25	0.8-8	3-30		0-100	
		1-10	4-40		0-60	
LZS-32E	32	1.2-12	5-50		0-100	
		2-20	8-80		0-60	
		2.5-25	10-100		0-100	
LZS-50E	50	2.5-25	10-100		0-60	
		5-45	20-180		0-100	
		7-70	25-250		0-60	
LZS-65E	65	25-110	80-400		0-60	
		40-160	150-650		0-100	
		50-250	200-1000		0-100	



LZS-E Dimensions for installation

Model	L	D	Joint (P)			Male (M)		Female (F)		Elbow (W)				
			L1	B1	B2	L2	C	L3	E	L4	F	G	A	H
LZS-15E	160	φ 50	210	φ 20	φ 26	225	G1/2" Z1/2"	210	G1/2" Z1/2"	220	56	27	φ 13	G1/2" Z1/2"
LZS-25E	170	φ 59	230	φ 32	φ 39	250	Z3/4"	225	G3/4" Z3/4"	270	70.5	28	φ 20	G3/4" Z3/4"
LZS-32E	225	φ 72	290	φ 40	φ 49	310	Z1"	290	G1" Z1"	345	86	35	φ 26	G1" Z1"
LZS-50E	290	φ 98	375	φ 63	φ 73	400	Z2"	370	Z2"	440	109	40	φ 45	G2" Z2"
LZS-65E	325	φ 120	420	φ 75	φ 89	445	Z2 1/2"	420	Z2 1/2"	/	/	/	/	/



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