LANGO®

Selenoid Metering Pump

ED Serials Technical Brochure

Manual Flow Rate Adjustment /RS485 Communication/Remote Switch Base-mounted/Big LCD Display



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Ver.:C-ED-2024/A

ED serial is a base- mounted digital solenoid driven metering pumps with Modbus RS485 interface communication control and manual control. Manual adjustment both by frequency speed and mechanical stroke length regulation. It is a reliable and economic dosing pump for chemical dosing.

Main Performance Parameters

- **Max Flow Rate: 24L/H**
- **Max Pressure: 10 Bars**
- **Steady State Accuracy: ± 2% between 30% and 100% of rated flow rate**
- **Allowable Ambient Temperature: 0～40°C.**
- **Allowable Liquid Temperature: 0～40°C(PVC) 0～60°C(PVDF/SS)**
- **Voltage: Wide range AC100~240V,50~60Hz**
- **Max Stroke: 360 spm**

Main Features

- **Signal control: Mobbus RS485 interface communication**
- **Manual flow adjustment both by frequency speed and stroke length**
- **Modular design, liquid end, drive module, control module are isolated from each other**
- **Coil full plastic seal, integrated molding, built-in thermal protection sensor**
- **Composite PTFE diaphragm with EPDM back baffle structure**
- **Various pump head materials such as PVC, PVDF, SS316, etc**

Applications

Water treatment, waste water treatment, food&beverage, chemical, general industry, etc.



Parameter Table

Model	Flow L/H	Pressure Bar	Stroke Flow Rate ML	Max Speed SPM	Power
ED-B10	2.28	10	0.05～0.11	360	20W
ED-B15	3.9	7	0.09～0.18	360	20W
ED-B20	5.7	4	0.13～0.26	360	20W
ED-B30	12	2	0.28～0.56	360	20W
ED-C15	4.8	10	0.09～0.22	360	24W
ED-C20	7.8	7	0.14～0.36	360	24W
ED-C30	16.2	3.5	0.3～0.75	360	24W
ED-C35	24	2	0.44～1.11	360	24W

Liquid End Material

Head	Ball	Seat	Cover	Gasket	Oring	Diaphragm
PVC	Ceramic	FKM/EPDM	PVC	PTFE	FKM/EPDM	Composite PTFE
PVDF	Ceramic	FKM	PVDF	PTFE	PTFE	
SS316	SS316	SS316	SS316	PTFE	PTFE	

Connection

Model	PVC	PVDF	SS316
ED-B10	4×9mm/4*6mm PVC tube	4*6mm PTFE tube	1/4" female thread
ED-B15	4×9mm/4*6mm PVC tube	4*6mm PTFE tube	1/4" female thread
ED-B20	4×9mm/4*6mm PVC tube	4*6mm PTFE tube	1/4" female thread
ED-B30	8×13mm PVC tube	8*10mm PTFE tube	1/4" female thread
ED-C15	4×9mm/4*6mm PVC tube	4*6mm PTFE tube	1/4" female thread
ED-C20	4×9mm/4*6mm PVC tube	4*6mm PTFE tube	1/4" female thread
ED-C30	8×13mm PVC tube	8*10mm PTFE tube	1/4" female thread
ED-C35	8×13mm PVC tube	8*10mm PTFE tube	1/4" female thread

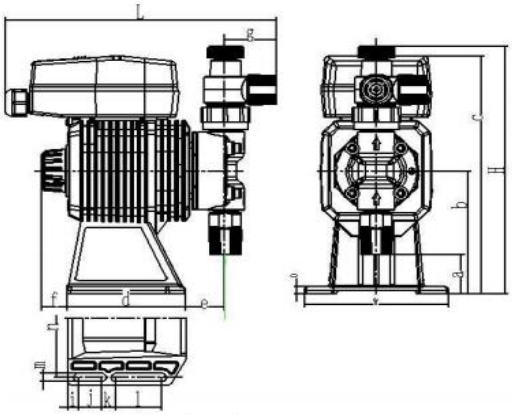
Identification Code

ID	ED	B	10	VC	W	1	C
Item	1	2	3	4	5	6	7
Code	Model	Power	Diaphragm	Material	Voltage	Connection	Plug

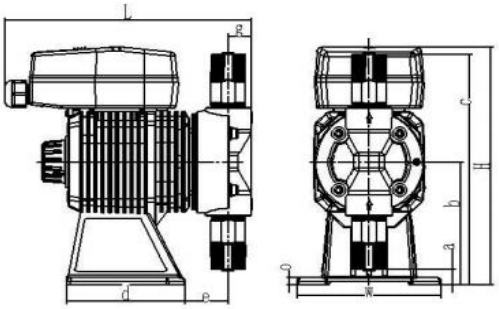
Item	Code	Description
1	ED	ED model
2	B	Power 20W
	C	Power 24W
3	10	Diaphragm effective diameter 10mm
	15	Diaphragm effective diameter 15mm
	20	Diaphragm effective diameter 20mm
	30	Diaphragm effective diameter 30mm
	35	Diaphragm effective diameter 35mm
4	VC	PVC head/Ceramic ball/FKM seat/PVC cover/PTFE gasket/FKM O ring
	VH	PVC head/Ceramic ball/EPDM seat/PVC cover/PTFE gasket/EPDM O ring
	DF	PVDF head/Ceramic ball/PTFE seat/PVDF cover/PTFE gasket/PTFE O ring
	SU	SS316 head/SS316 ball/SS316 seat/SS316 cover/PTFE gasket/PTFE O ring
5	W	AC100~240V,50~60Hz
6	1	ø4×6mm (PVC transparent tube 3m)
	2	ø4×6mm (PE tube 3m)
	3	ø4×9mm (PVC transparent braided tube 3m)
	4	ø8×13mm (PVC transparent braided tube 3m)
	5	ø4×6mm (PTFE transparent tube 3m)
	6	ø8×10mm (PTFE transparent tube 3m)
	7	1/4" female thread
7	A	Australia, New Zealand, Taiwan
	B	British
	C	China
	E	Europe
	U	United States
	S	South Africa
	X	No Plug

Installation Dimensions

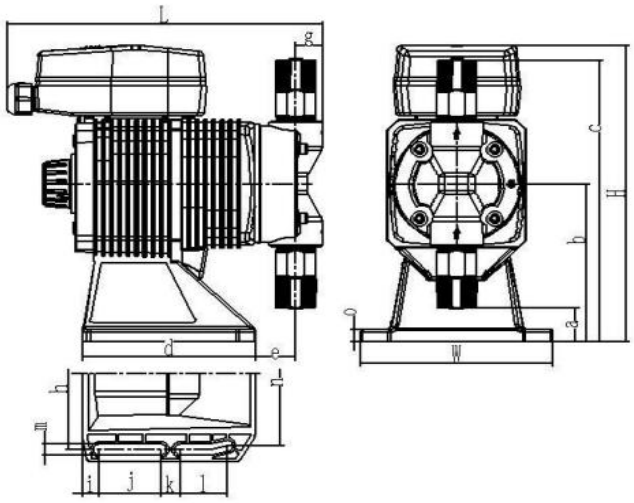
- ED-B10/15/20

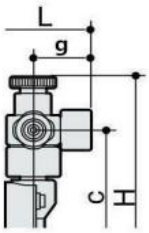


- ED-B30



- ED-C15/20/30/35





(C15/20)

Model	W	H	L	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
ED-B10/15/20	100	185	186	29	92	153	82	28	18	36	88	7	16	10	32	6.2	88	5
ED-B30	100	178	172	11	92	173	82	30	18	16	88	7	16	10	32	6.2	88	5
ED-C15/20	116	196	207	40	103	164	104	22	24	36	100	10	37	12	28	7	95	8
ED-C30/35	116	194	190	22	103	184	104	24	24	16.5	100	10	37	8.5	27	7	95	8