

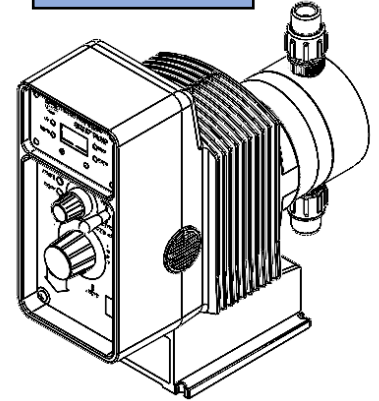
# EMAG PRO (EP) SERIES



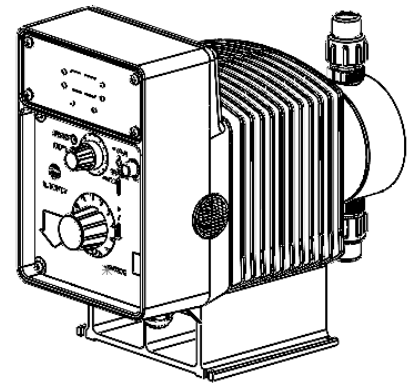
## Configurations

MODEL	EP-906	0	PVC
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EP901 – EP905



EP906 – EP914



MODEL DETAILS		
MODEL	FLOW (LPH)	PRESSURE(BAR)
EP-901	1	12
EP-902	2	10
EP-903	4	5.5
EP-904	6	3.5
EP-905	12	2
EP-906	6	10
EP-907	9.5	7
EP-908	17	3.5
EP-909	25	2
EP-910	5	18
EP-911	12	9
EP-912	17	7
EP-913	35	4
EP-914	90	1.5

VOLTAGE CODE	DESCRIPTION
0	220-240 VAC ,INDIAN 3 PIN PLUG
1	220-240 VAC ,DIN PLUG

LIQUID END BODY
PP
PVC
PVDF
SS316

## Technical characteristics

### Standard:

- Flow rate up to: 90 l/h
- Pressure up to: 12 kg/cm<sup>2</sup>g
- Electronically operated Mechanically actuated diaphragm
- Manual stroke length adjustable while running
- Electro Magnetic Drive: Less moving parts.
- Composite PTFE faced Hypalon Diaphragm for longer life
- Adjustment of flow rate while running or stopped: from 0 to 100%
- Accuracy: ± 2% of rated flow from 10% to 100% stroke
- Suction lift: up to 1.5 m water max.
- Viscosity handled upto 50 cps

## Features Include

- Push button controls for adjusting strokes per minute(SPM) and navigating menu option
- Manual knob to control stroke length
- LCD user interface
- Dual SPM control
- Low level float switch provided for tank level detection
- 4-20 mA input present for controlling SPM
- Theoretical flow rate display
- Real time operating temperature , SPM , stroke length & error factor for quick troubleshooting etc. present.



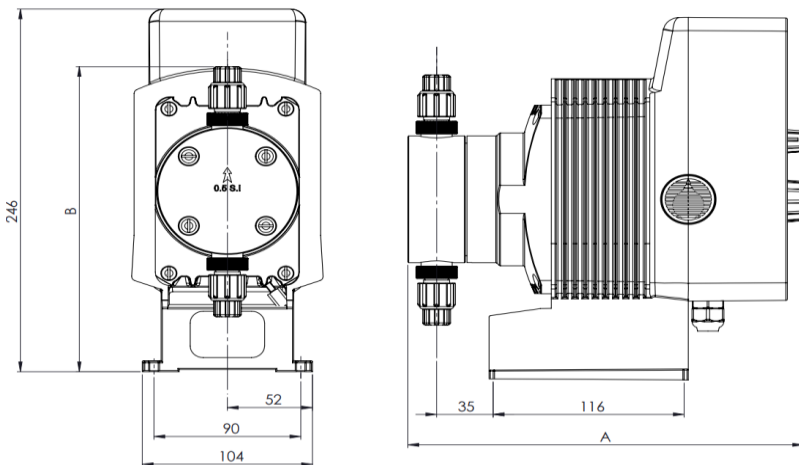
## Characteristics of drive

### Standard Drive Data:

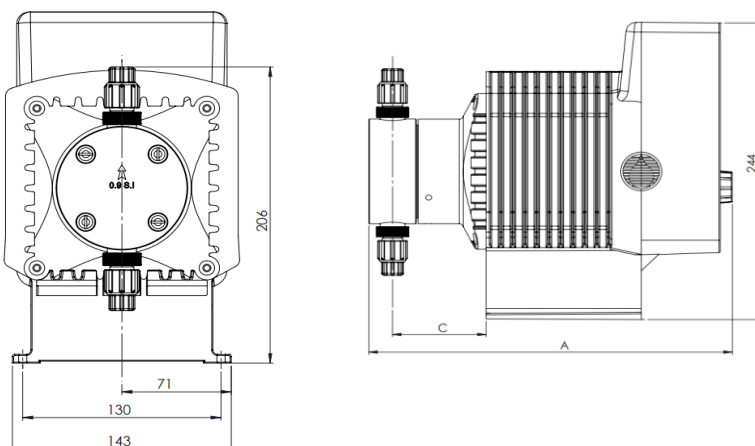
- Electromagnetic Power Unit (EPU) 230V, 50Hz / 60Hz, Single Phase A.C
- Power Consumption Approx. 40 Watts for models EP-901 to EP-905
- Power Consumption Approx. 75 Watts for models EP906 to EP915
- "9" series are automated pumps (i.e. 4-20mA)

## Dimensions

### EP901 – EP905



### EP906 – EP914



\*Dimension shown are for largest liquid end . Dimension will vary depending on liquid end selected

## Accessories

To meet your installation needs a large range of accessories are available on request (Pulsation dampeners, safety and backpressure valves), consult us.

## Weight

MODEL	Liquid end	Weight(KG)
EP901 – EP905	Metallic	5.0
	Plastic	4.0
EP901 – EP914	Metallic	10.0
	Plastic	9.0

Dimensions (mm)	A(Max)	B(Max)
Pump model		
EP-901	240	206
EP-902		
EP-903		
EP-904		
EP-905		

Dimensions (mm)	A	B	C
Pump model			
EP-906	282	206	72
EP-907			
EP-908			
EP-909			
EP-910			
EP-911			
EP-912			
EP-913			
EP-914			



## Output Information

MODEL	Liters Per Hour *		Gallons per Hour*		ml/cc per Minute*		Pressure	
	Min	Max	Min	Max	Min	Max	Psi	Bar
EP-901	0.02	1	0.005	0.26	0.3	17	174	12
EP-902	0.04	2	0.011	0.53	0.7	33	145	10
EP-903	0.08	4	0.021	1.06	1.3	67	79	5.5
EP-904	0.12	6	0.032	1.58	2.0	100	50	3.5
EP-905	0.24	12	0.063	3.17	4.0	200	29	2
EP-906	0.06	6	0.016	1.58	1.0	100	145	10
EP-907	0.095	9.5	0.025	2.51	1.6	158	102	7
EP-908	0.17	17	0.045	4.49	2.8	283	51	3.5
EP-909	0.027	25	0.007	6.60	0.5	417	29	2
EP-910	0.05	5	0.013	1.32	0.8	83	261	18
EP-911	0.1	12	0.026	3.17	1.7	200	131	9
EP-912	0.15	17	0.040	4.49	2.5	283	102	7
EP-913	0.25	35	0.066	9.24	4.2	583	58	4
EP-914	0.6	90	0.158	23.76	10.0	1500	22	1.5

## Liquid end construction & details

Components	Materials			
Liquid end body	PP	PVC	PVDF	SS-316
Valve body	PVC	PVC	PVDF	SS-316
Ring Seal	TEFLON	TEFLON	TEFLON	TEFLON
Balls	CERAMIC	CERAMIC	CERAMIC	CERAMIC
Connections	PVC	PVC	PVDF	SS-316
Diaphragm	TEFLON FACED HYPALON	TEFLON FACED HYPALON	TEFLON FACED HYPALON	TEFLON FACED HYPALON
Foot Valve	PVC	PVC	N/A*	SS-316
Antisiphon valve	PVC	PVC	PVDF	SS-316
Tubing	LDPE	LDPE	LDPE	LDPE

MODEL	Liquid end size	Size of tubing (Suction & Discharge) [OD x ID]
EP-901	0.5	3/8" X 1/4"
EP-902		
EP-903		
EP-904		
EP-905	3.0	1/2" X 3/8"
EP-906	0.9	3/8" X 1/4"
EP-907	0.9	
EP-908	1.8	1/2" X 3/8"
EP-909	3.0	
EP-910	0.9	3/8" X 1/4"
EP-911	1.8	1/2" X 3/8"
EP-912		
EP-913		
EP-914		
EP-914	6.0	

\*Alloy 20 available based on customer request

\*Online strainer shall be offered for PVDF

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