

# Dilution

## SOLUTIONS

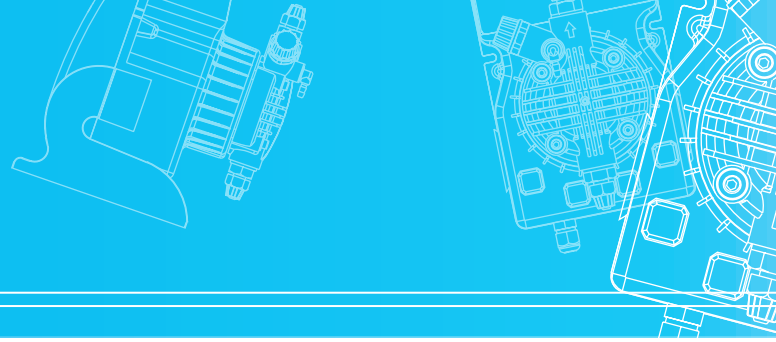
A Dosatron International, Inc. Company



### METERING PUMPS eOne Series



# eOne



## The eOne Series Electronic Metering Pumps

The eOne series pumps provide constant dosing, energy savings, and low operating temperatures resulting in reduced mechanical stress. They feature:





- Alarm to detect suction or discharge interruption
- Standard PVDF solenoid head
- Manual air bleed pump head for fast priming
- Equipped with ceramic ball valve
- 6.5 ft. suction height
- PVDF injection valves equipped with thread options: 1/2", 3/8" and m10
- Reduced operating temperature to increase reliability
- Low mechanical stress for better performance
- Compact design and uses approximately 60% less energy
- IP65 acid resistant housing
- Long lasting unique one piece PTFE diaphragm design
- 120 or 230 V - 50/60 Hz
- Works off water meters

### Specification Chart

VERSION NUMBER	MAX INJECTION FLOW RATE		MAX PRESSURE		OUTPUT
	GPH	LPH	PSI	BAR	PER M/L STROKE
0110	0.26	1	145	10	0.09
0210*	0.53	2	145	10	0.18
0216	0.53	2	232	16	0.21
0420	1.06	4	290	20	0.27
0507*	1.32	5	101	7	0.46
0607	1.59	6	101	7	0.34
0710	1.84	7	145	10	0.45
1012	2.64	10	174	12	0.55
1505	3.96	15	72	5	0.83
2007	5.26	20	101	7	1.38
3005	7.92	30	72	5	2.08

\*Basic model only

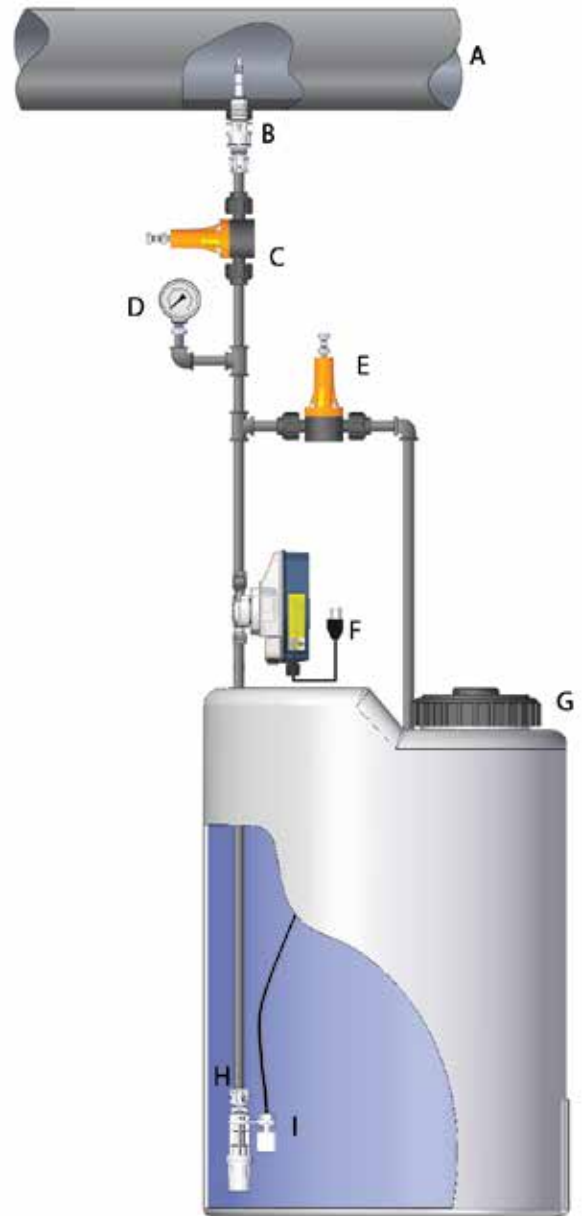
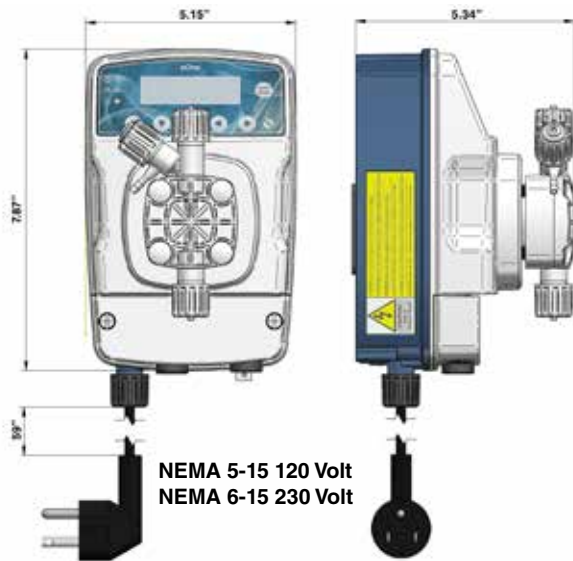
### Control Options

Basic	MA	MF	Plus
 <p><b>Metering Pump</b></p> <ul style="list-style-type: none"> <li>• Manual flow rate adjustment 0 - 100% and 0 - 20%</li> <li>• Dosing frequency 180 impulses per minute</li> <li>• Proportional function 1:1</li> <li>• Level alarm</li> </ul>	 <p><b>Metering Pump</b></p> <ul style="list-style-type: none"> <li>• Manual flow rate adjustment 0 - 100% and 0 - 20%</li> <li>• High dosing frequency of 300 impulses per minute</li> <li>• Underload suction alarm</li> <li>• Overload discharge alarm</li> <li>• Low level input</li> <li>• Proportional function 1:1</li> </ul>	 <p><b>Multifunction Microprocessor Metering Pump</b></p> <ul style="list-style-type: none"> <li>• High dosing frequency of 300 impulses per minute</li> <li>• Backlit graphic display</li> <li>• Underload suction alarm</li> <li>• Overload discharge alarm</li> <li>• Flow sensor alarm</li> <li>• Low level input</li> <li>• Password protection</li> <li>• Flexible user-friendly interface</li> <li>• Programmable dosing from water meter signal</li> <li>• When used with a water meter the pump automatically adjusts the frequency of the dose based on the flow rate</li> </ul>	 <p><b>Microprocessor Metering Pump</b></p> <ul style="list-style-type: none"> <li>• Suitable for proportional and control applications pH, Rx, Cl, ppm monitoring</li> <li>• High dosing frequency of 300 impulses per minute</li> <li>• Backlit graphic display</li> <li>• Underload suction alarm</li> <li>• Overload discharge alarm</li> <li>• Flow sensor alarm</li> <li>• Low level input</li> <li>• Relay output</li> <li>• Password protection</li> <li>• Flexible user-friendly interface</li> <li>• Ability to work off probes</li> <li>• Programmable dosing from water meter signal</li> <li>• When used with a water meter the pump automatically adjusts the frequency of the dose based on the flow rate</li> </ul>

## Installation

### SAMPLE INSTALLATION

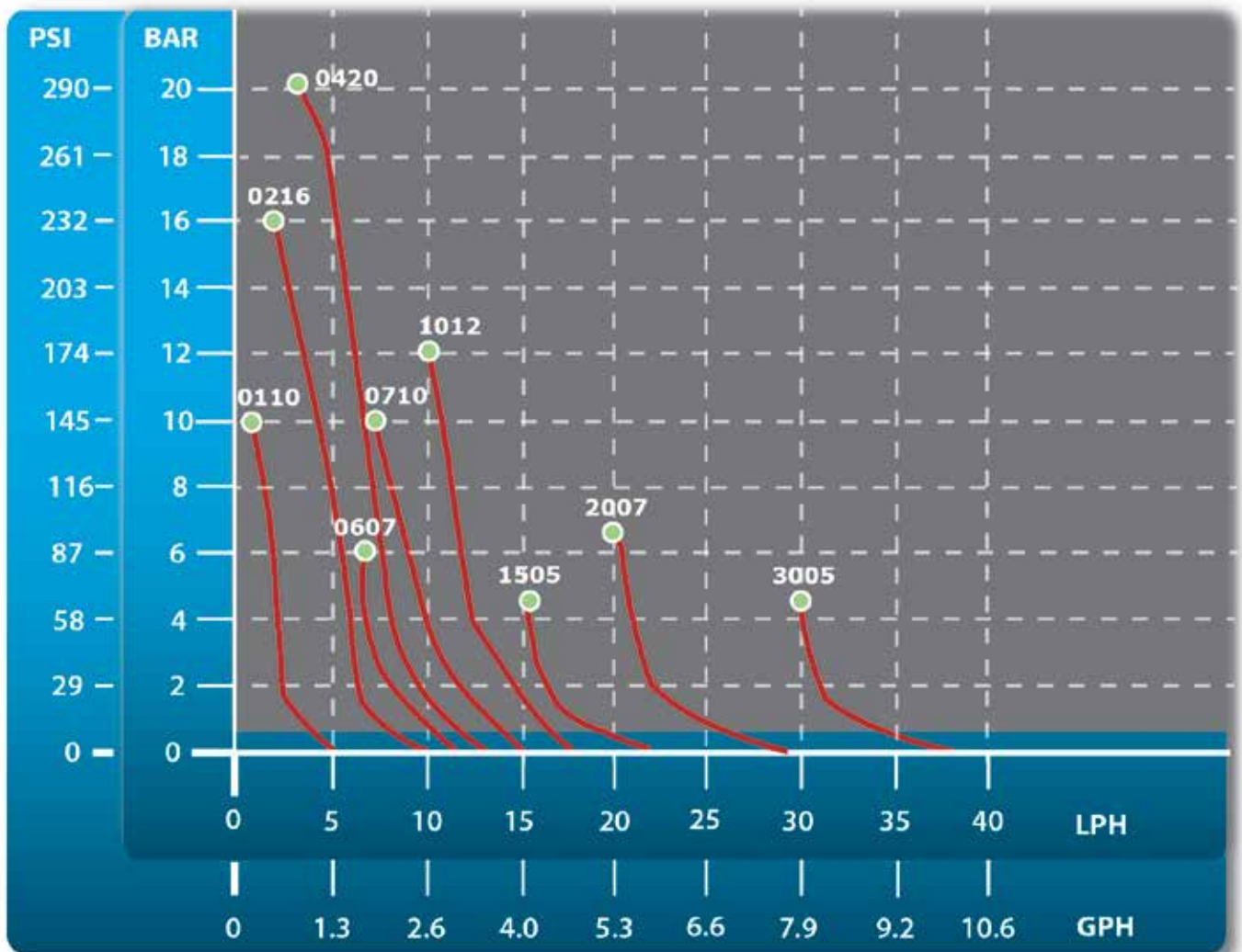
A	Main Pipeline
B	Injection Valve
C	Back Pressure Valve
D	Pressure Gauge
E	Relief Valve
F	Metering Pump
G	Tank
H	Foot Filter
I	Low Level Float Switch



## Parts

WETTED PARTS	MATERIALS
Pump Head	PVDF
Diaphragm	PTFE (Teflon)
Suction Tube	PVC
Valves	Ceramic Ball and TFE/P (Aflas)
Seals	TFE/P (Aflas)
Discharge Tube	Polyethylene (PE)

## Curves Flow Rate vs. Pressure



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## SOLUTIONS

A Dosatron International, Inc. Company

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ISO 9001 Certified

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