

# Mongoose™

**Electric Powered Chemical Metering Pumps** 



## Mongoose™ Electronic Low Pressure Chemical Metering Pump

Our Mongoose series metering pump is suitable for dispensing chemicals for a variety of diverse markets such as oil and natural gas, mining, agriculture, landscaping and lawn maintenance, waste water, and car wash. These pumps can also be used in chemical dosing maintenance applications including cooling towers, boilers, and plating, as well as a multitude of other uses.

#### **Graco check valves**

- Proprietary design (SST Head)
- · Poppet style eliminates valve from sticking
- Same style valve used on other Graco chemical pumps

#### **Overload protection**

- · Self resetting thermal overload prevents over heating ·
- Over current protection
- Easily replaceable fuse for overcurrent
- No longer a throwaway pump

#### Prime/air bleed port

- No need to remove fluid section to prime pump
- Quick and easy priming

#### Other features

- Manual stroke adjustment
- Splash cover over controls
- NEMA 4x style enclosure
- · UL and CSA certified



Mongoose<sup>™</sup> with standard check valves

## **Ordering Information**

Mongoose Chemical Metering Pump Model Numbers										
Part Number	Description*	Flow	Flow Pressure		Fluid Section					
A21000	LCI-1A17-SPD-0	17 gpd (64.3 lpd)	250 psi (17.2 bar)	120 VAC	316 SST					
A21001**	LCI-1A17-SPD-0	17 gpd (64.3 lpd)	250 psi (17.2 bar)	120 VAC	316 SST					
A21004	LCI-2A17-SPD-0	17 gpd (64.3 lpd)	250 psi (17.2 bar)	240 VAC	316 SST					
A21016	LCI-1210-SPD-0	10 gpd (37.8 lpd)	140 psi (9.6 bar)	12 VDC	316 SST					
A21008	LCI-1A17-KPA-0	17 gpd (64.3 lpd)	250 psi (17.2 bar)	120 VAC	PVDF					
A21009	LCI-1A15-KPA-0	15 gpd (56.7 lpd)	150 psi (10.3 bar)	120 VAC	PVDF					
A21010	LCI-1A30-KPA-0	30 gpd (113.5 lpd)	110 psi (7.5 bar)	120 VAC	PVDF					
A21011	LCI-1A45-KPA-0	45 gpd (170.3 lpd)	75 psi (5.2 bar)	120 VAC	PVDF					
A21012	LCI-2A17-KPA-0	17 gpd (64.3 lpd)	250 psi (17.2 bar)	240 VAC	PVDF					
A21013	LCI-2A15-KPA-0	15 gpd (56.7 lpd)	150 psi (10.3 bar)	240 VAC	PVDF					
A21014	LCI-2A30-KPA-0	30 gpd (113.5 lpd)	110 psi (7.5 bar)	240 VAC	PVDF					
A21015	LCI-2A45-KPA-0	45 gpd (170.3 lpd)	75 psi (5.2 bar)	240 VAC	PVDF					

<sup>\*</sup>See configuration product matrix on next page



Mongoose™
Graco Check Valve
on SST models



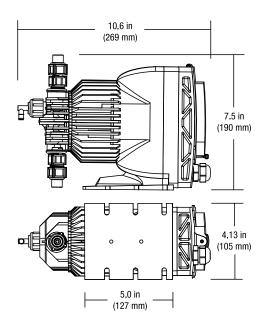
Mongoose™ PVDF Head

<sup>\*\*</sup> Mongoose with standard check valves

## **Technical Data**

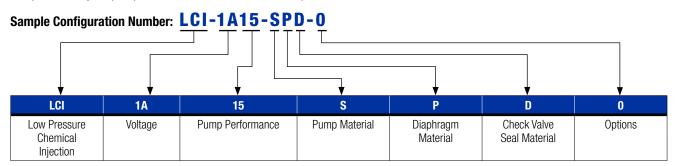
Mongoose Chemical Metering Pump								
Maximum fluid working pressure	250 psi (17.2 bar)							
Cycle rate	125 - 145 cpm							
Input Voltage	120 VAC, 240 VAC, 12 VDC							
Amperage Max Load	0.1 - 0.5 A							
Frequency	50/60 Hz							
Environmental temperature range	-40° to 120°F (-40° to 50°C)							
Inlet/Outlet Sizes								
Fluid inlet size	1/4 in. npt, 1/4 tube, 3/8 tube							
Fluid outlet size (1/4" plungers only)	1/4 in. npt, 1/4 tube, 3/8 tube							
Prime/bleed size (1/4" plungers only)	1/16 in. npt, tube connection							
Wetted Parts								
Pump/Diaphragm Seal Material	PEEK and PTFE unless otherwise noted							
Other	316 stainless steel or PVDF							
Check Valve Seal Material	FFKM or FKM							
Weight								
All models	9.0 to 10.0 lb (4.0 to 4.5 kg)							

## **Dimensions**



## **Configuration Number Matrix**

Check the identification plate (ID) for the 11-digit Configuration Number of your pump. Use the following matrix to define the components of your pump. *NOTE: Not all combinations are possible.* 



Low Pressure Motor Size		Voltage		Pump Performance		Pump Material		Diaphragm Material		Check Valve Seal Material		Options	
350	3-1/2"	12	12 VOC	10	10 gpd (37.8 lpd) 140 psi (9.6 bar)	S	316 SST	Р	PTFE Coated	D	FFKM	0	None
		1A	120 VAC	15	15 gpd (56.7 lpd) 150 psi (10.3 bar)	K	PVDF			Α	FKM		
		2A	240 VAC	17	17 gpd (64.3 lpd) 250 psi (17.2 bar)								
				30	30 gpd (113.5 lpd) 110 psi (7.5 bar)								
				45	45 gpd (170.3 lpd) 75 psi (5.2 bar)								



#### **ABOUT GRACO**

#### PROVEN QUALITY. LEADING TECHNOLOGY.

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

#### **GRACO LOCATIONS**

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#### SALES/ DISTRIBUTION/ SERVICE

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