

Specifications & Description

Max Flow Rate (mL/min)	68
Flow Rate (mL/rev)	0.017
Min Flow Rate (mL/min)	1.7
Max Flow Rate (LPM)	0.068
Min Flow Rate (LPM)	0.0017
Max Flow Rate (GPM)	0.018
Min Flow Rate (GPM)	0.0004
Differential Pressure (PSI)	20
Differential Pressure (bar)	1.4
Suction Lift, Wet (in H ₂ O)	24
Suction Lift, Wet (mm of H ₂ O)	610
Min Motor RPM (rpm)	100
Max Motor RPM (rpm)	4000
Motor Enclosure Type	IP31 per IEC 60534
Remote Control Input	Yes
Power	115/230 VAC, 50/60 Hz
Power Connection	6-ft (1.8-m) line cord
Wetted Parts	316 SS, PTFE, carbon graphite
Seal Material	PTFE
Body Material	316 stainless steel pump head
Gear Material	Carbon graphite
Inlet Connection	1/8" NPT (F)
Outlet Connection	1/8" NPT (F)
Reversible	No



INCLUDES

Pump drive, 07002-25 suction shoe pump head, and power adapter with 6-ft (1.8-m) line cord.

KEY FEATURES

- MasterflexLive® is a secure, cloud-enabled platform for monitoring Masterflex pumps
- Systems come with a Micropump® A-mount gear pump head for flow ranges from 1.7 to 4680 mL/min
- Glove-friendly 5" (12.7 cm) capacitive TFT/RGB touch screen offers crisp resolution and a wide viewing angle
- Flexible operational control via screen or analog remote control
- Compact, benchtop pumps optimize ease of use, accuracy, and reliability
- Continuous run, volume dispense, and time dispense modes -- batch control and interval/off time in Volume and Time modes
- Easily save and retrieve commonly used dispense programs for rapid setup
- Speed ramping available in Volume dispense mode - ensure accuracy and minimize sample loss
- Three-level user access - gives you the option of controlling who can operate the pump and at what level
- Suction shoe design provides higher delivery pressures and temperatures, plus increased efficiency
- Achieve a flow rate of 0.017 mL/rev with graphite gears

MORE ABOUT THIS ITEM

The Reglo gear pump systems offer precise flow control and highly accurate fluid dispensing ideal for laboratory, process, and field use. All Reglo precision drives include a highly accurate, maintenance-free motor and an easy-to-navigate touch screen that makes setup and operation easier than ever. The paired gear pump heads provide smooth pulseless flow for precise, leak-free delivery of fluids. The magnetic drive and static seals keep fluids securely inside and potential contaminants out of the pump head.

Relief Valve	No
Internal Bypass	No
Run Dry	Under 30 seconds
Duty Cycle Continuous	Yes
Max Temperature (° F)	250
Min Temperature (° F)	-50
Max Temperature (° C)	121
Min Temperature (° C)	-46
Max Viscosity (cP)	1500
Min Viscosity (cP)	0.2
Width (in)	5.8
Width (cm)	14.6
Length (in)	7.6
Length (cm)	19.4
Height (in)	6.3
Height (cm)	16
Description	Gear Pump System with MasterflexLive®, 4000 rpm Drive, A-Mount Suction Shoe Pump Head, 0.17 mL/rev; 115/230 VAC

MasterflexLive® functionality allows for real-time remote pump monitoring. It provides notifications of pump parameters, including speed, flow rate, dispense volume, and more. Critical processes can be monitored 24/7 without the need for onsite personnel. In addition, push notifications alert you to operating conditions and error messages. Internet connection via Wi-Fi or standard Ethernet (RJ45) jack available on the rear of drive. A USB connection allows for downloadable firmware updates to be loaded into the pump.