

# GM-00 Centrifugal Pump

The GM centrifugal pump is specially designed for food, chemical, pharmaceutical and other industries where acid-resistant steel is required for the products to be pumped.

## Standard Design

### **GM-00:**

Pump casing and shaft of acid-resistant steel AISI 316. Impeller of fibreglass reinforced nylon (maximum 176°F). Studbolts and nuts for pump casing of stainless steel AISI 304. Adaptor and collets of plastic. Surface finish of stainless steel part is polished to 32 RA.

## Shaft Seal

Single mechanical seal with stationary seal ring of acid-resistant steel AISI 329 with sealing surface of silicon carbide, and with rotating seal ring of carbon.

## Technical Data

Maximum inlet pressure: 58 PSI  
Temperature range: 14° F to 284° F (EPDM)  
Impeller diameter: 3.74"

## Motor

Standard foot mounted C-faced motor according to NEMA standard. Premium efficiency, TEFC insulation, Class F.

## Voltage and Frequency

3 ~ 60 Hz, 230/480V. Other voltages and frequencies available on request.

## Motor Size

Hp requirements based on flow curves.

## Options

### **Equipment**

- Impeller with reduced diameter
- Motor enclosures: Washdown, X-proof, inverter duty and others upon request

### **Material Grades**

- Product wetted seals of EPDM, Fluorinated rubber (FPM) or Teflon (PTFE)
- Rotating seal ring of Silicon Carbide

## Ordering

Please state the following when ordering:

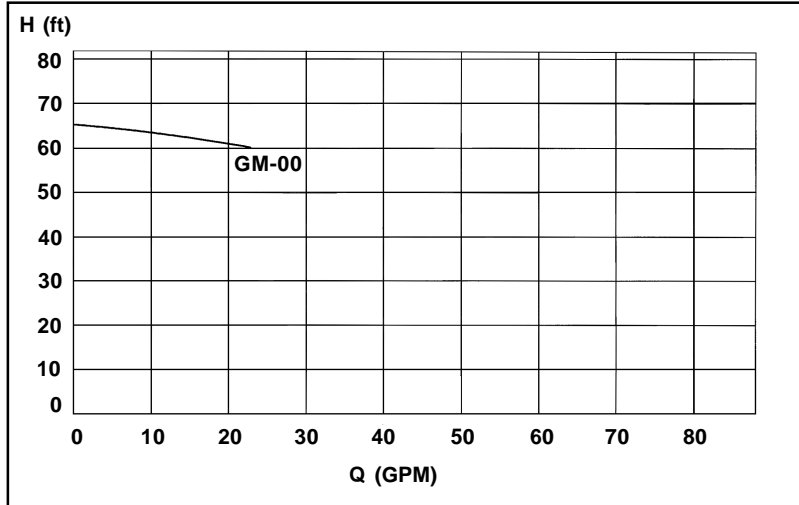
- Pump type
- Connections
- Voltage and frequency
- Flow rate, pressure and temperature
- Density and viscosity of product
- Options

Figure 1. GM-00



## Volumetric Flow

Figure 2. Flow chart



## Dimensions (inches)

### GM-00

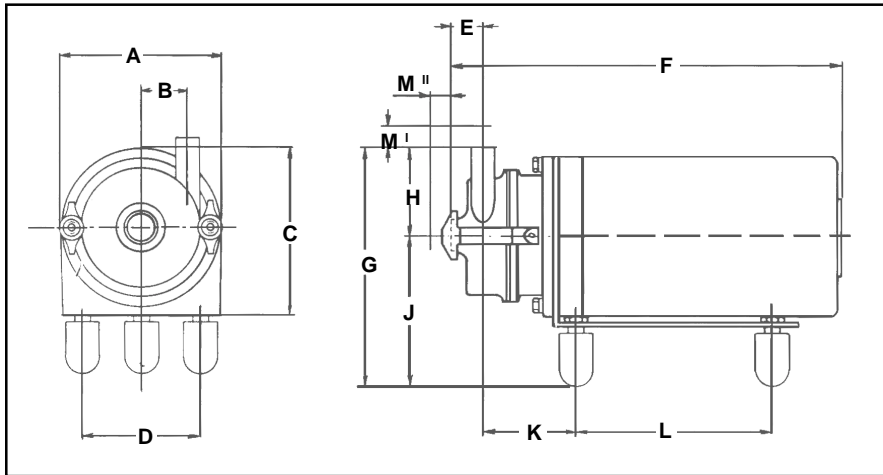


Figure 3. Dimensions

Size	Motor
	0.5 - 1 Hp 56TC
A	7.69
B	1.94
C	7.00
D	6.00
E	1.29
F	16.37
G	9.37
H	3.55
J	5.75
K	3.87
L	8.25
<b>Weight (lbs.)</b>	<b>58.00</b>

Note! Data for pumps with sterling motors.

## Connections (inches)

	GC Clamp
M'	0.47
M''	0.47