# 120VAC Powered Pumps

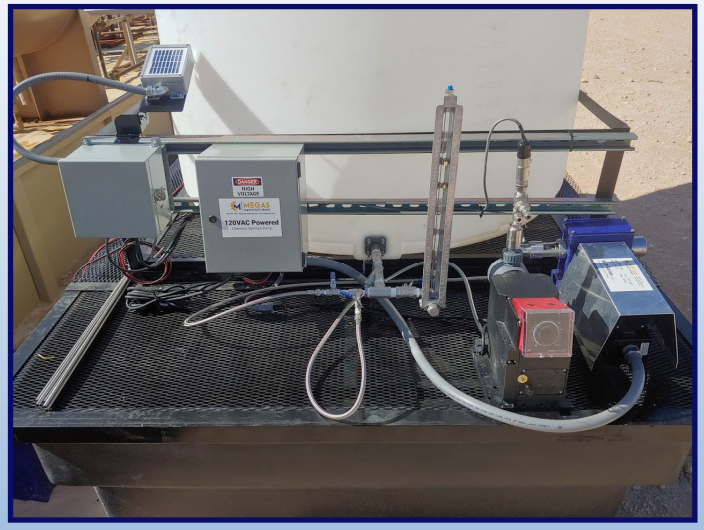
MEGAS MANUFACTURING

The Megas line of 120VAC powered pumps are rugged, reliable, repairable, and built with simplicity in mind. They have a low cost of ownership and a high level of versatility. Pumps can be custom designed to your specifications if needed. Our application support and in-house engineering teams can assist in finding the appropriate fit for any needed use, as they have vast knowledge in upstream oil and gas applications. They are eager to assist with proven solutions and dedicated technical support. We know that's important to you; that's why it's important to us.

## Features:

- Simplistic, modular design
- Low friction drive system
- Robust, stainless steel eccentric and bearings
- Oil impregnated bronze bushings
- MAOP Up To 6000 PSI

*Megas 120VAC Pump Motor casing with single head*



*Megas 120VAC Inverter model*

## Benefits:

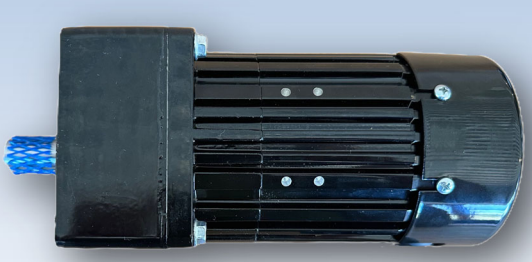
- Ease of on-site installation, retrofit, modification and repair
    - Packing and plunger changes are easy with minimal tools and downtime
- High motor efficiency
- Smooth, quiet operation
- Longer field life

(888) 366-1290 | sales@megasmfg.com|www.megasmfg.com | 1000 Liberty Beaumont, TX 77701

# Pump Options

## Motor and Controls:

- Continuous run, variable speed control
  - 0/5V Input override
- Intermittent run control
  - Ambient temperature override
  - 0/5V Input override
- Input voltages (motor and controls)
  - 115VAC (Model ACG—Standard)
  - 12 VDC
- Class 1, Division 2 Hazardous Location available
  - DC brushless with inverter
- See chart below for maximum pressure ratings



*Heavy duty Megas ACG Motor*

| Plunger Size | 120VAC Pump Maximum Pressures (PSI) |
|---|---|
| 3/16” | 6,000 |
| 1/4” | 2,500 |
| 3/8” | 2,500 |
| 1/2” | 1,250 |

## Motor Comparisons

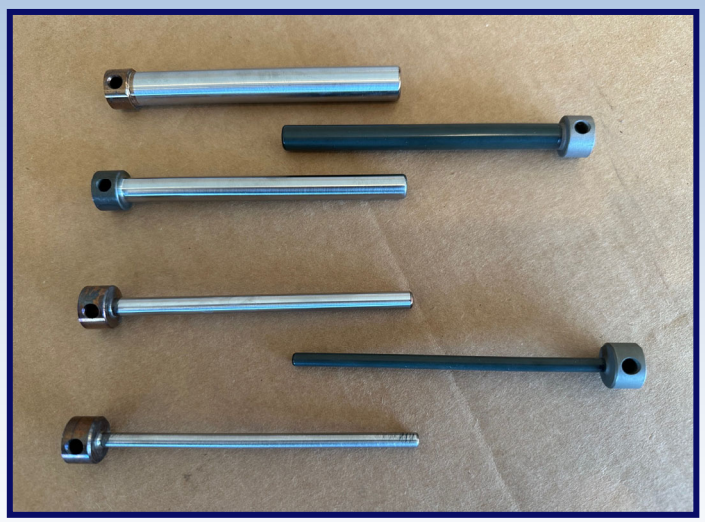
- ACG
  - 120VAC Voltage
  - No Hazloc Certification
- ACIG
  - 12VDC Voltage (Inverter Powered)
  - No Hazloc Certification
- ACIX
  - 12VDC Voltage (Inverter Powered)
  - Hazloc Certified Class 1 Div. 2 (Group A,B,C,D)
  - On Board Telemetry

**All applications are unique, consult your sales reps for data driven motor and control recommendations*

MEGAS MANUFACTURING

(888) 366-1290 | sales@megasmfg.com|www.megasmfg.com | 1000 Liberty Beaumont, TX 77701

# Options continued...



*17-4 Stainless and ceramic coated plungers*


## Fluid Ends:

- Plungers: 3/16'', ¼'', 3/8'' and ½'' in Single, Dual, Triple or Quad Head configurations available
- Independent, Stroke Limiting feature

available for flowrate flexibility.

- V Ring Packing: AFLAS/TFE, Viton/TFE
- Seal Options (Packing Gland Adapter): ETP,

UHMWPE, FFKM, TFE/Carbon/Graphite

## Mounting: Skid mount packages available*

**Tailored packaging and mounting design available*
**Custom configurations available. Contact support with application specifics, desired control scenarios and an MSDS for a data driven recommendation.*

# Materials of Construction

*303 Stainless Steel drive system*

- Pump Housing: Coated aluminum
- Drive System: 303 SST
- Wear Parts: Oil impregnated bronze
- Wetted Parts: 316 SST
- Plungers: 17-4 SST or ceramic coated
- Check Balls: 316 SST or carbide
- Check Seats: TFE

MEGAS MANUFACTURING

(888) 366-1290 | sales@megasmfg.com|www.megasmfg.com | 1000 Liberty Beaumont, TX 77701

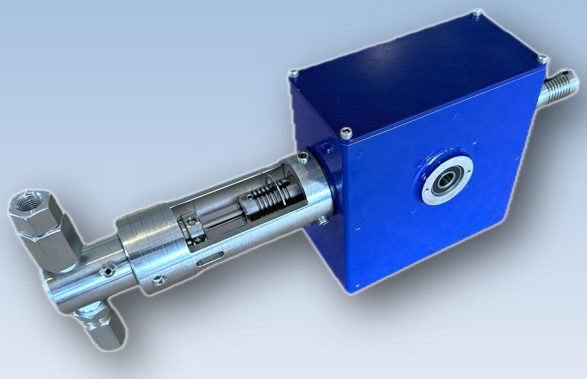
# How to Order

120VAC Pump Sample Code:

| 1 | 2 | | 3 | | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| | 1 | - | ACG | - | A | A | 4 | S |

In the above example, a **Fixed, On/Off-ACG,-Single Head, AFLAS/TFE, 1/4", Stainless Plunger** unit has been ordered.

| | | |
|---|---|---|
| 1 | Stroke | Code |
| | Fixed | (blank) |
| | Adjustable | ADJ |
| | | |
| 2 | Controller | Code |
| | Continuous Run | CR |
| | On/Off | 1 |
| | | |
| 3 | Motor | Code |
| | Standard 120V | ACG |
| | 12V w/Inverter | ACIG |
| | 12V Brushless w/ Inverter | ACIX |
| | | |
| 4 | # Heads | Code |
| | Single | A |
| | Dual | B |
| | Triple | C |
| | Quad | D |
| | | |
| 5 | Packing Matl. | Code |
| | Aflas/TFE | A |
| | Viton/TFE | V |
| | Adapter Seal | S |
| | | |
| 6 | Plunger Size | Code |
| | 3/16 | 3 |
| | 1/4 | 4 |
| | 3/8 | 6 |
| | 1/2 | 8 |
| | | |
| 7 | Plunger Matl. | Code |
| | Stainless | S |
| | Ceramic | C |



*Single head. fluid end pump. Flowrate adjusts via circlip*


*Dual head fluid end pump*


*Quad head fluid end pump*

MEGAS MANUFACTURING

(888) 366-1290 | sales@megasmfg.com|www.megasmfg.com | 1000 Liberty Beaumont, TX 77701