



# TRIDENT

World Class Components

### STANDARD FLOW DIRECTION PART NUMBERS

Drive Type

Model	U Top Shaft	U Bottom Shaft	H Top Shaft	M Top Shaft
GP30	31.018.2	31.018.4	31.018.0	Not Available
GP60	31.021.2	31.021.4	31.021.0	Not Available
GP120	31.017.2	31.017.4	31.017.0	31.017.3
GP160	31.007.2	31.007.4	31.007.0	31.007.3
GP200	31.016.2	31.016.4	31.016.0	31.016.3
GP300	31.006.2	31.006.4	31.006.0	31.006.3
GP500	31.022.2	31.022.4	31.022.0	31.022.3

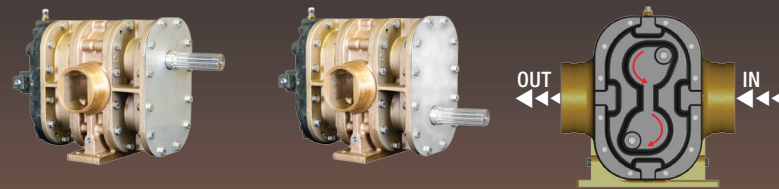
### REVERSE FLOW DIRECTION PART NUMBERS

Drive Type

Model	U Top Shaft	U Bottom Shaft	H Top Shaft	M Top Shaft
GP30	31.018.12	31.018.14	31.018.10	Not Available
GP60	31.021.12	31.021.14	31.021.10	Not Available
GP120	31.017.12	31.017.14	31.017.10	31.017.13
GP160	31.007.12	31.007.14	31.007.10	31.007.13
GP200	31.016.12	31.016.14	31.016.10	31.016.13
GP300	31.006.12	31.006.14	31.006.10	31.006.13
GP500	31.022.12	31.022.14	31.022.10	31.022.13

### Shaft Configurations



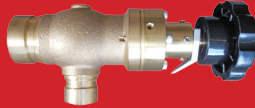



**U** Universal Top Shaft    **U** Universal Bottom Shaft    **Standard** Flow Rotation



**H** Hydraulic Top Shaft    **M** Bell Housing Top Shaft    **Reverse** Flow Rotation



### Trident Offers... Additional High Quality Foam Products:

 Relief Valves	 Ratio Controllers	 Balancing Valves	 Metering Valves
 Check Valves	 Ball Valves	 Flow Switches	

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## High Performance Rotary Gear Foam Pumps

### Low Range Models

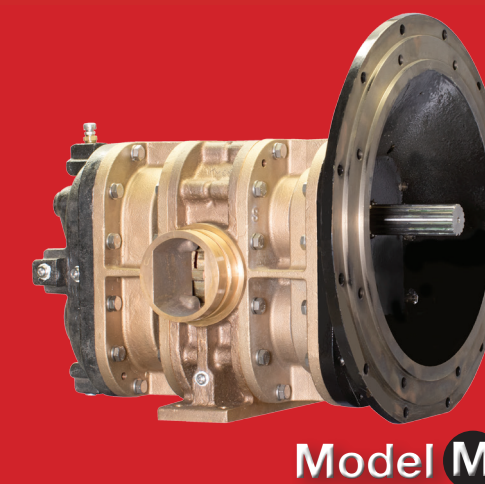
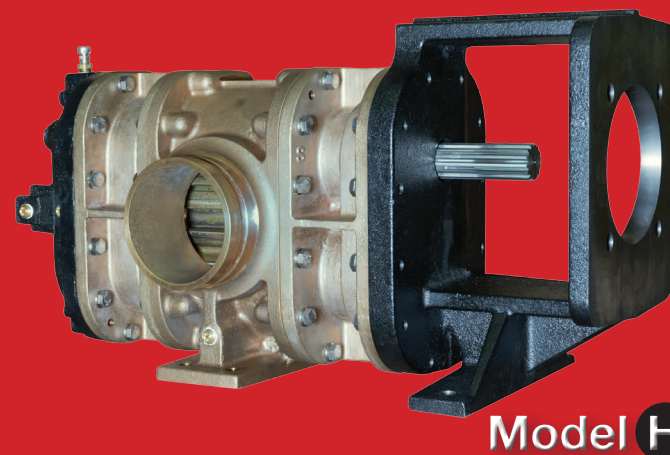
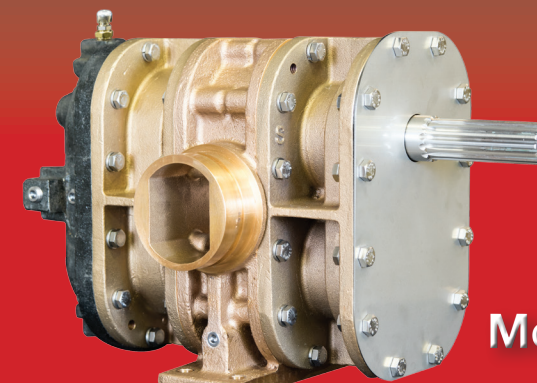
30 and 60 GPM [115 and 225 LPM]

### Mid Range Models

120 and 160 GPM [455 and 606 LPM]

### High Range Models

200, 300 and 500 GPM [760, 1135 and 1890 LPM]



- ▶ Loaded with Patent Pending New Design Features
- ▶ Self Priming, Can Pump any Viscosity Foam or Water
- ▶ Suitable for Electric, Engine, PTO or Hydraulic Drives

### Trident Emergency Products, LLC

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World Class  
 Fire Apparatus  
 Plumbing and  
 Hardware Products

Titan™ is a trademark of  
 Trident Emergency Products, LLC

# World Class

## Fire Apparatus Plumbing and Hardware Products

# TRIDENT

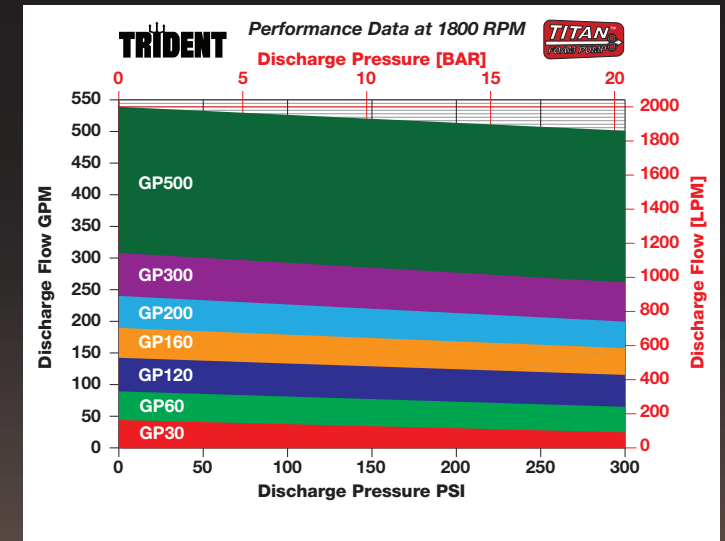
# TIMING is Everything



## Why Titan™ Foam Pumps Include Timing Gears...

- ▶ The Two Timing Gears Synchronize the Two Pumping Rotors
- ▶ The Pumping Rotors NEVER Contact Each Other
- ▶ No Rotor to Rotor Contact Means NO Rotor Wear
- ▶ No Rotor Contact Allows for DRY Running Without Damage
- ▶ No Rotor Contact Allows for Pumping Water or Foam
- ▶ Water Can Be Used for; Calibration, Testing and Training

Model	Nominal Flow		Port Size
	GPM	LPM	
GP500	500	1890	5.0"
GP300	300	1135	4.0"
GP200	200	760	3.0"
GP160	160	606	3.0"
GP120	120	455	2.0"
GP60	60	225	2.0"
GP30	30	115	1.5"



## Titan™ High Performance Rotary Gear Foam Pumps

### Design Features

- ▶ Brass Housing with Bronze Alloy Rotors
- ▶ 17-4PH Stainless Steel Shafts
- ▶ Splined Pump Drive Shafts
- ▶ Keyed Shaft on GP30 and GP60
- ▶ Shaft Sealed 100% from Pumping Medium
- ▶ Splash Oil Lubrication for Timing Gears
- ▶ Silicon Carbide Mechanical Seals
- ▶ Rubber Seals - No Gaskets
- ▶ Double Row Roller Bearings - Sealed for Life
- ▶ Victaulic™ Connections
- ▶ Stainless Steel Fasteners
- ▶ Pump Mounts in any Orientation
- ▶ Designed for Easy Serviceability
- ▶ Optional SAE Engine Bell Housing Adapter
- ▶ Optional SAE Hydraulic Motor Bracket
- ▶ Optional Speed Sensor

### Titan™ News

#### Underwriters Laboratories Listing

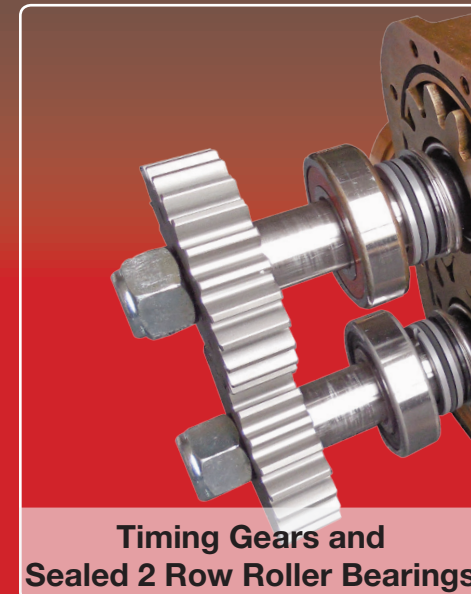
Trident Emergency Products is excited to announce the listing of our **Titan** GP160 series foam pump in accordance with UL 448C for use in fixed foam system applications as required by NFPA 20. The GP160 series is the first of several high performance rotary gear pumps Trident has plans for UL listing, ranging from a nominal 30 GPM [115 LPM] to 500 GPM [1890 LPM]. Trident is prepared to ship a GP160 UL listed foam pump and accompanying relief valve in a matters of weeks, not months. Contact us immediately for review of your needs.

#### Complete Line of Foam Pumps

Trident Emergency Products has been building and shipping the **Titan** GP160 and GP300 series foam pumps for mobile equipment applications with excellent acceptance by end users. Applications range from new apparatus foam systems, nurse tankers, and retrofitting apparatus with failing, worn-out foam pumps. Full line-up of models will soon be available ranging from 30 GPM [115 LPM] to 500 GPM [1890 LPM]. Contact us for review of your applications.

#### Relief Valves

Trident Emergency Products has teamed up with an excellent manufacturer of American built relief valves to complement our foam pumps. All relief valves are of brass and stainless steel construction, and available for all sizes of our Titan foam pumps with set pressures to meet your system needs. Contact us with your requirements.



Timing Gears and Sealed 2 Row Roller Bearings



Victaulic™ Inlet and Outlet Connections



17-4PH Stainless Shafts Bronze Pump Rotors



Splash Oil Lubrication for Timing Gears



Bronze Pump Rotors and Mechanical Seals



Rubber Seals and Stainless Steel Fasteners