



# 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	31.018.3
GP60	31.021.2	31.021.4	31.021.0	31.021.3
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

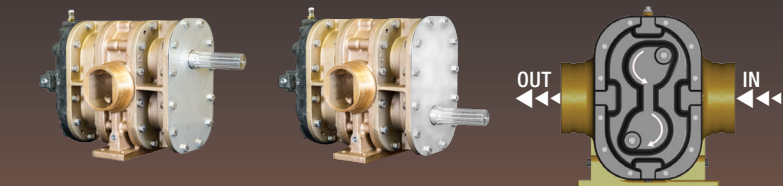
### REVERSE FLOW DIRECTION PART NUMBERS

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	31.018.13
GP60	31.021.12	31.021.14	31.021.10	31.021.13
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

- Universal Top Shaft
- Universal Bottom Shaft
- Standard Flow Rotation



- Hydraulic Top Shaft
- Bell Housing Top Shaft
- Reverse Flow Rotation



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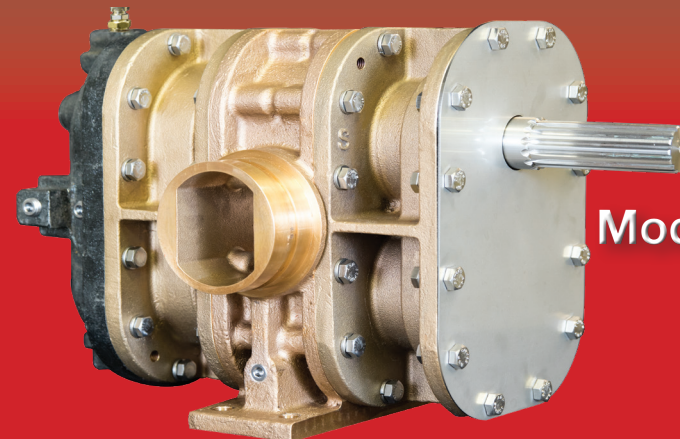
World Class Components

## High Performance Rotary Gear Foam Pumps

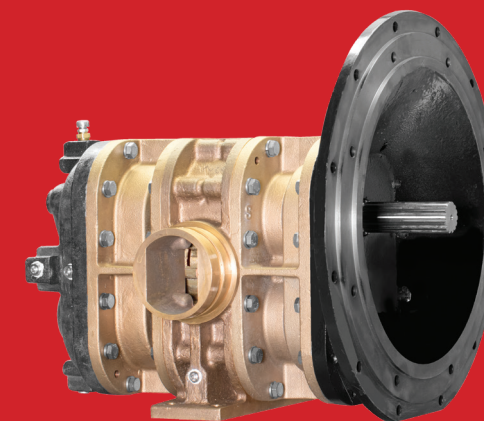
**Low Flow Capacity**  
30 and 60 GPM [115 and 225 LPM]

**Medium Flow Capacity**  
120 and 160 GPM [455 and 606 LPM]

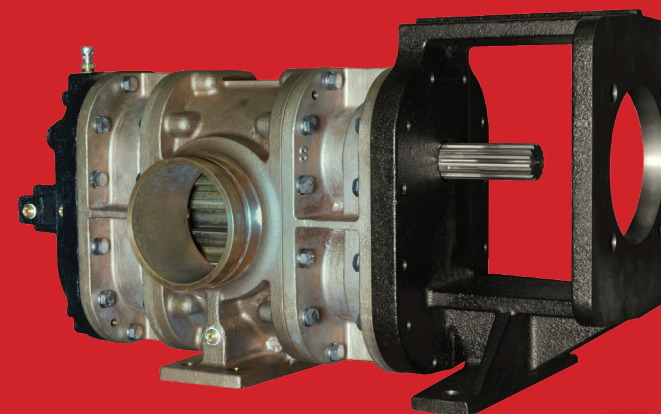
**High Flow Capacity**  
200, 300 and 500 GPM [760, 1135 and 1890 LPM]



Model U



Model M



Model H

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

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

### Trident Emergency Products, LLC

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11/2019

World Class  
Fire Industry  
Products

GP Series™ is a trademark of  
Trident Emergency Products, LLC

- ▶ Self Priming, Can Pump All Viscosities of Foam and Water
- ▶ Suitable for Electric, Engine, PTO or Hydraulic Drives

## World Class Fire Industry Products



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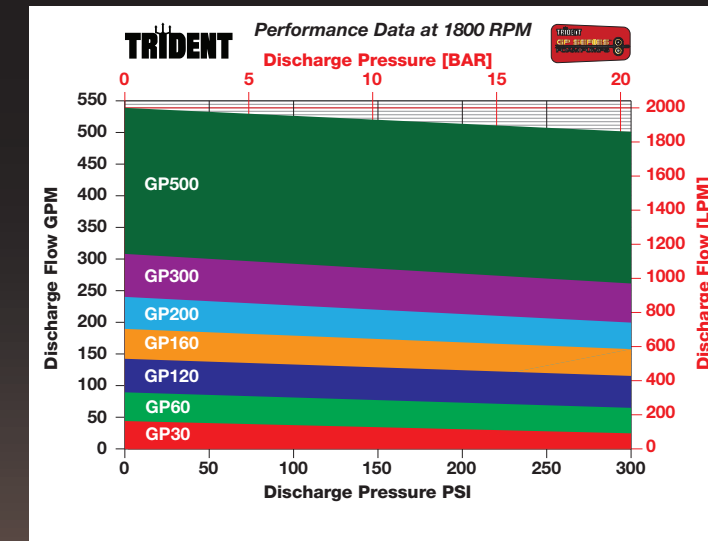
# TIMING is Everything



## Why GP Series™ 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"



## GP Series™ High Performance Rotary Gear Foam Pumps

### Design Features

- ▶ Brass Housing with Bronze Alloy Rotors
- ▶ Hardened 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

## GP Series™ Foam Pump News

### Underwriters Laboratories Listing

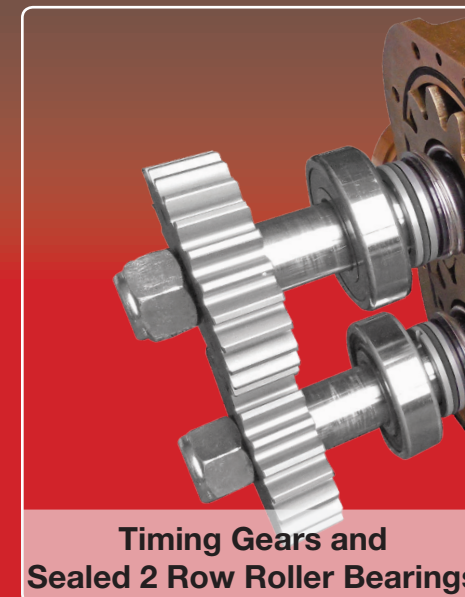
Trident Emergency Products is now offering five (5) **GP Series™** foam pump models in accordance with UL 448C for use in fixed foam system applications as required by NFPA 20. Models include our GP30, GP60, GP120, GP160 and GP200 pumps that range in capacity from 20 GPM [75 LPM] through 200 GPM [760 LPM] with a pressure rating up to 300 PSI [20.7 BAR]. Contact Trident for a complete review of your needs.

### Complete Line of Foam Pumps

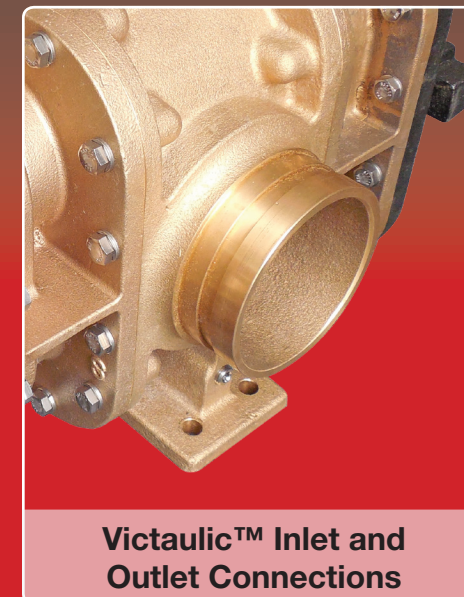
Trident Emergency Products offers a complete line of **GP Series™** rotary gear, positive displacement foam pumps for use in all mobile apparatus applications and fixed foam system installations. Capacities range from a nominal 30 GPM [115 LPM] to 500 GPM [1980 LPM], all with an operating pressure range up to 300 PSI [20.7 BAR]. Trident provides a short turn around time on your pump order, we understand the nature of your business. Whether it is for a new installation or replacement, we can assist you with obtaining the proper pump for your needs.

### Relief Valves

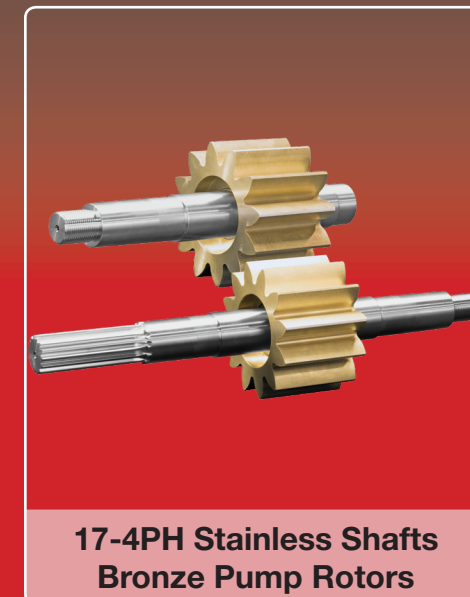
Trident Emergency Products has teamed up with an excellent manufacturer of American built relief valves to complement our foam pumps. All relief valves are of brass and stainless steel construction, and available for all sizes of our **GP Series™** foam pumps with set pressures to meet your system needs.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



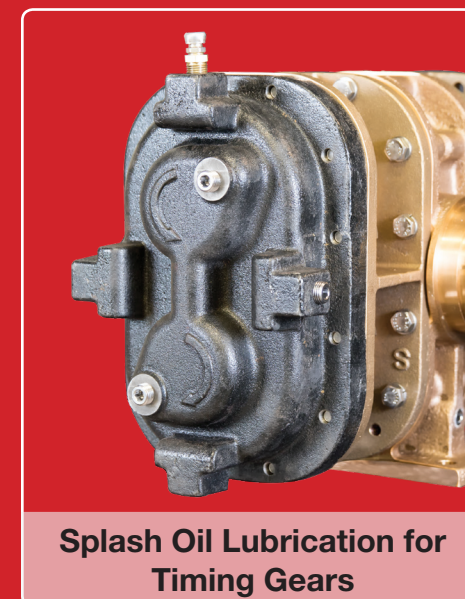
Timing Gears and Sealed 2 Row Roller Bearings



Victaulic™ Inlet and Outlet Connections



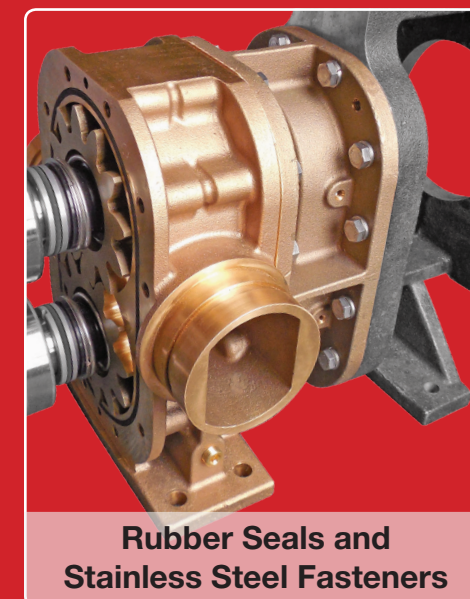
17-4PH Stainless Shafts Bronze Pump Rotors



Splash Oil Lubrication for Timing Gears



Bronze Pump Rotors and Mechanical Seals



Rubber Seals and Stainless Steel Fasteners