

Famochem rotary gear pumps designed for foam extinguishing system. They are Self Priming and can pump Multiple Viscosities of Foam or Water. This versatile design is suitable for Electric, PTO, Diesel/Gasoline Engine, Water Driven or Hydraulic drive motors.

**Design Features:**

- Timing Gears Synchronize the Two Pumping Rotors.
- Timing Gears Allow for DRY Running Without Damage.
- No Rotor Contact Allows for Pumping Foam or Water.
- Water Can Be Used for: Calibration, Testing and Training.

**Technical Data:**

Max Pressure: 2.0MPa | 20bar  
 Max Speed: 1800RPM  
 Viscosity: 9500cp max.[1]  
 Connection Diameter: DN80(88.9 O.D.)、3"  
 Connection Type: Groove, Thread, Flange

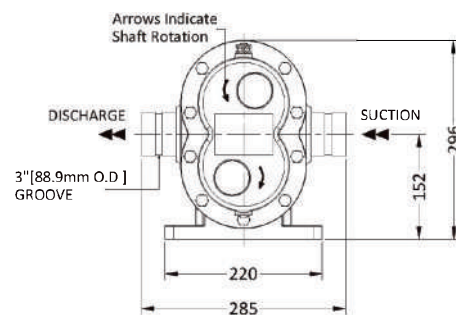
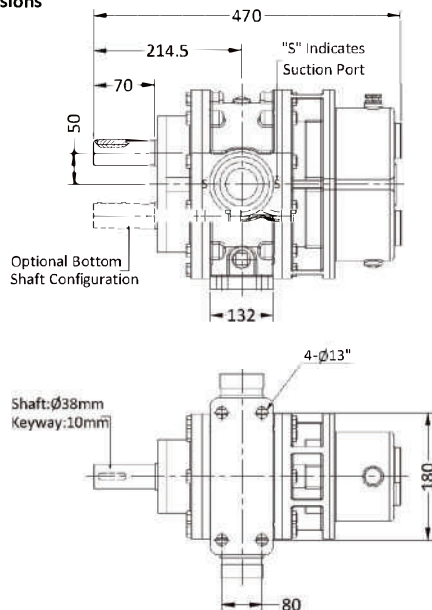
[1] Brookfield viscometer, spindle #4, speed 30rpm.


**Materials :**

Pump body: Red Brass, ASTM B584 C83600  
 Rotor: Stainless Steel 17-4PH  
 Red Brass, ASTM B584 C83600  
 Liners: Red Brass, ASTM B584 C83600  
 Front Cover: Red Brass, ASTM B584 C83600  
 Back Cover: Red Brass ASTM B584 C83600  
 Timing Gear: Alloy Steel 20CrMnTi (ASTM A29M)  
 Lip Seal: FPM

**Performance -Water**

| Foam Pump | 1000rpm |       |        | 1200rpm |       |        | 1500rpm |       |        | 1800rpm |       |        |
|-----------|---------|-------|--------|---------|-------|--------|---------|-------|--------|---------|-------|--------|
| Pressure  | Flow    | Power | Torque | Flow    | Power | Torque | Flow    | Power | Torque | Flow    | Power | Torque |
| bar       | L/min   | kw    | N.m    | L/min   | kw    | N.m    | L/min   | kw    | N.m    | L/min   | kw    | N.m    |
| 5.0       | 397     | 7     | 69     | 493     | 9     | 72     | 638     | 12    | 79     | 787     | 16    | 87     |
| 6.9       | 379     | 9     | 84     | 475     | 11    | 86     | 625     | 15    | 94     | 769     | 19    | 101    |
| 10.3      | 352     | 12    | 112    | 449     | 14    | 113    | 601     | 19    | 121    | 741     | 24    | 129    |
| 13.8      | 331     | 15    | 140    | 429     | 18    | 140    | 580     | 23    | 149    | 719     | 30    | 157    |
| 17.2      | 316     | 18    | 168    | 414     | 21    | 169    | 563     | 28    | 178    | 701     | 35    | 186    |
| 20.0      | 307     | 20    | 190    | 405     | 24    | 192    | 553     | 32    | 203    | 691     | 39    | 209    |

**Dimensions**


Suction & Discharge:  
 a. 3" (88.9mm O.D) Groove (Standard)  
 b. Thred G 3" Male (Option)  
 c. Flange DIN2633 DN80 PN16 (Option)

**OPTIONAL :**


SPLINE SHAFT:  
 SAE PD-S 1 1/2"  
 DIN5482 40x2x18x7H  
 GB/T1144 8x32x38x6  
 JIS B1603 38x17x2

Assembly Weight: 87.6 Kg

