

## Model G8-92 Rotary Gear Pump

Surex 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.

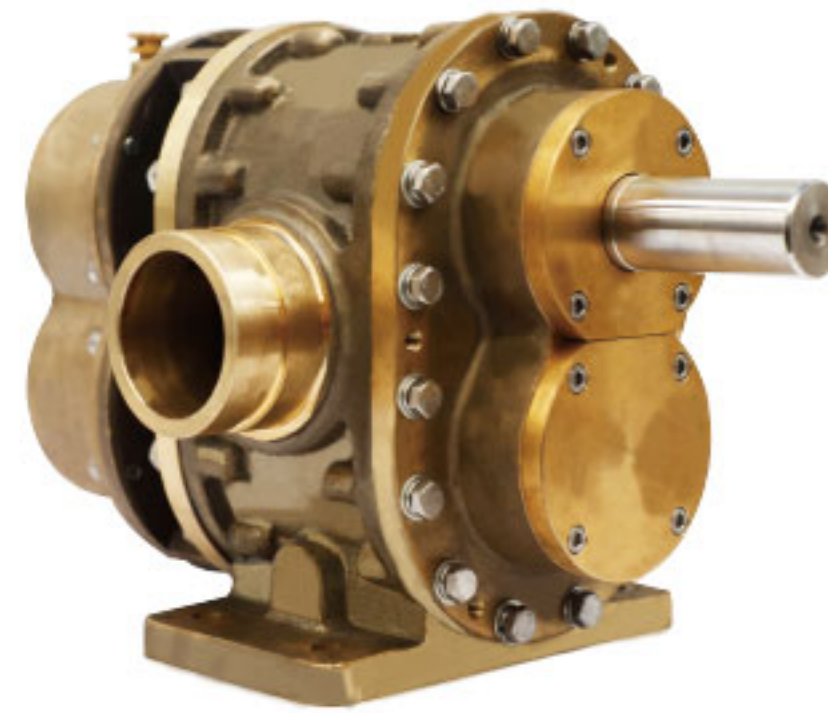
### Design Features:

- 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: DN65(73.0 O.D.)、2½"  
Connection Type: Groove、Thread、Flange  
Approvals: FM

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



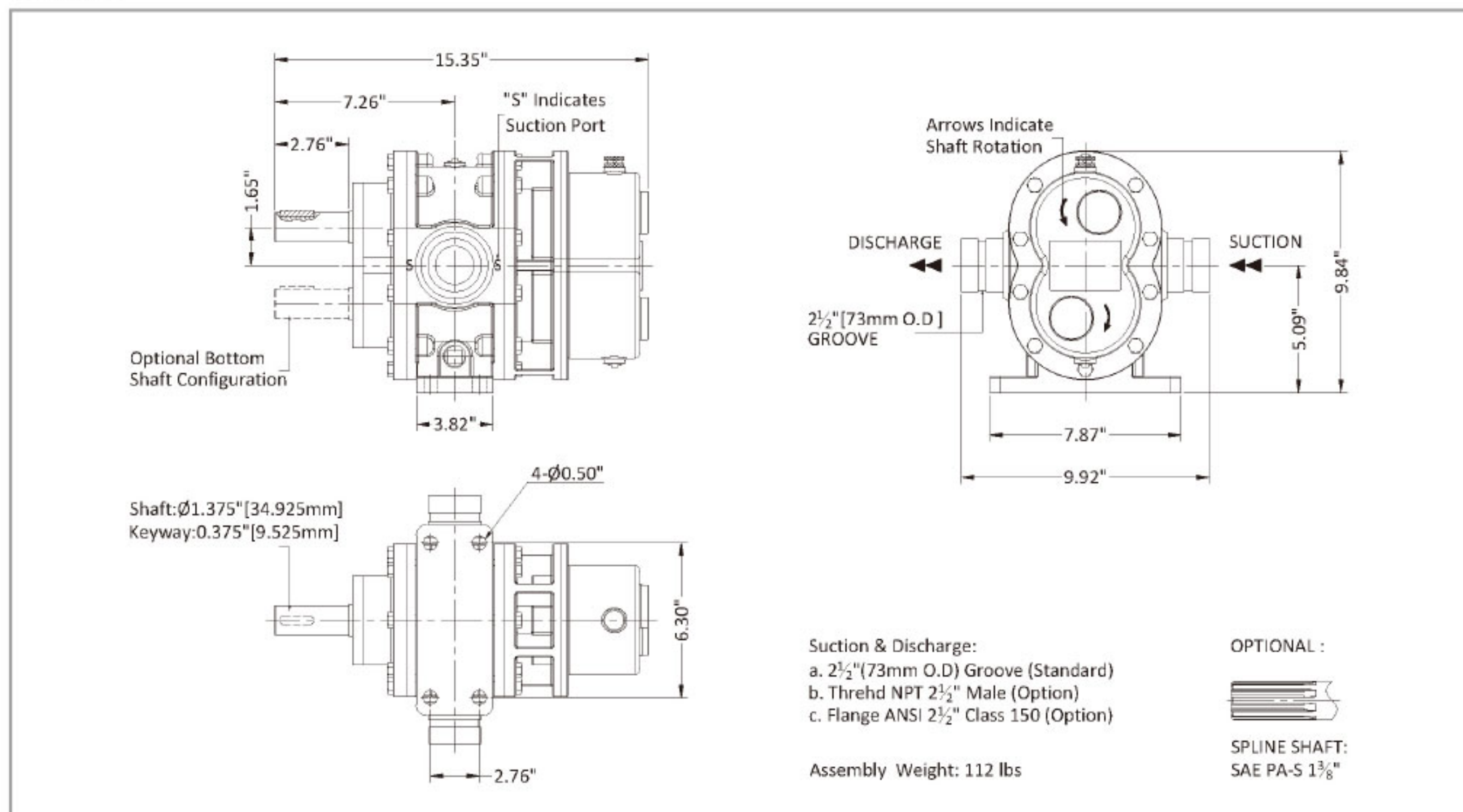
### Materials :

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

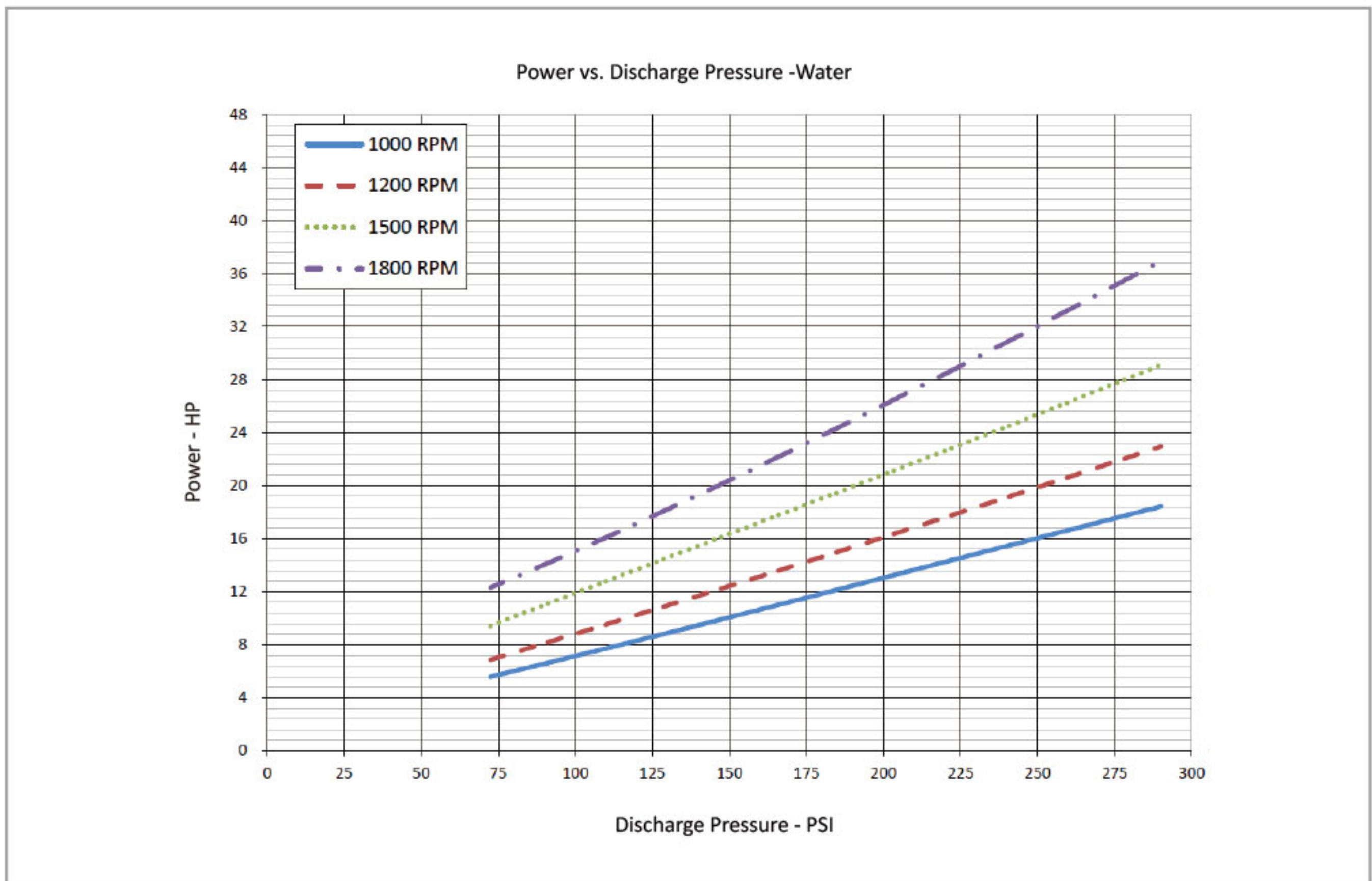
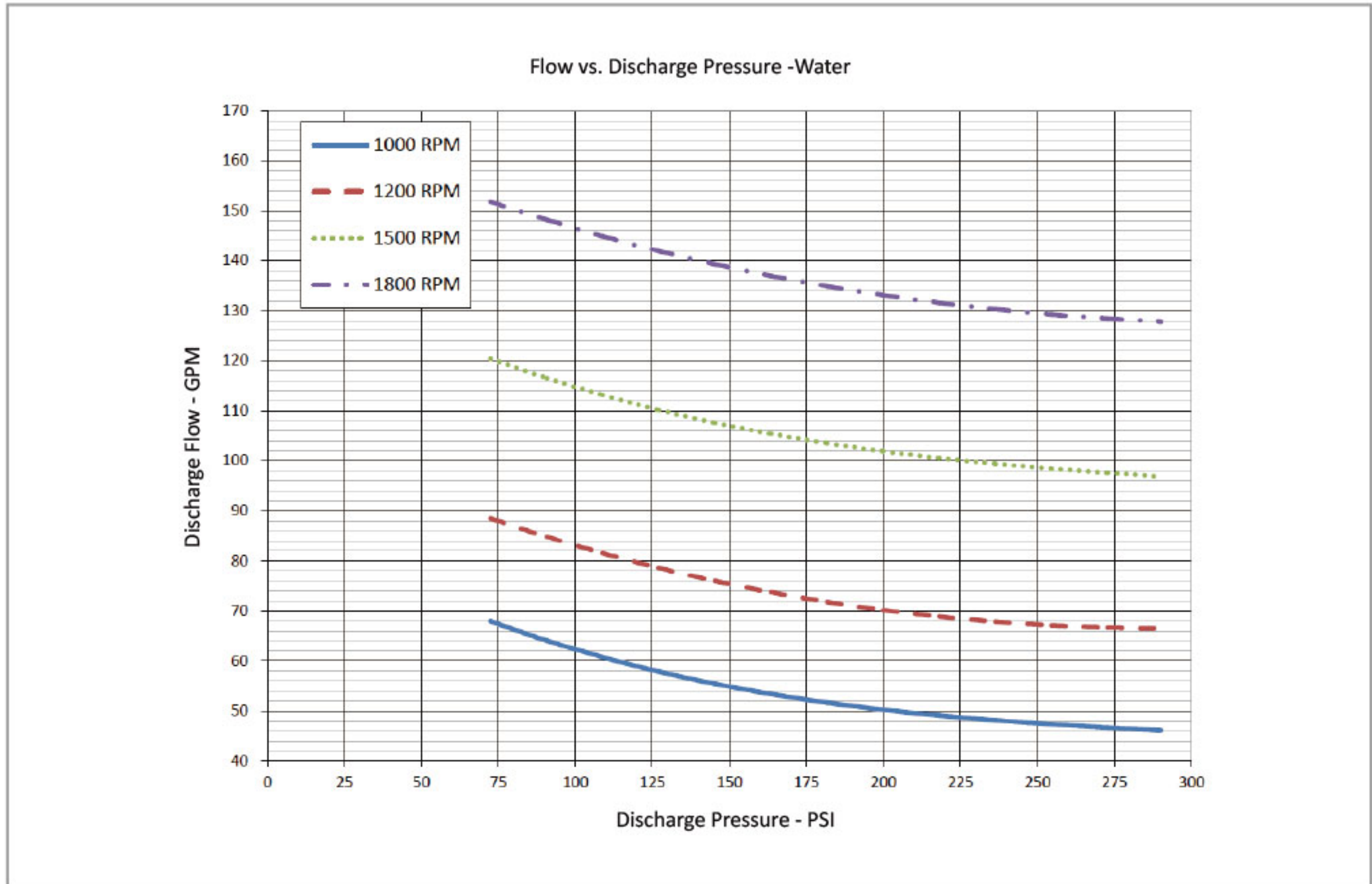
Foam Pump	1000rpm			1200rpm			1500rpm			1800rpm			
	Pressure PSI	Flow GPM	Power HP	Torque LB-FT	Flow GPM	Power HP	Torque LB-FT	Flow GPM	Power HP	Torque LB-FT	Flow GPM	Power HP	Torque LB-FT
	72.5	68	6	30	89	7	30	120	9	33	152	12	36
	100	63	7	39	83	9	39	115	12	42	147	15	44
	150	55	10	55	75	13	56	107	16	58	139	21	60
	200	50	13	70	70	16	72	102	21	73	133	26	77
	250	47	16	85	67	20	88	98	25	89	129	32	95
	290	46	18	97	66	23	100	97	29	102	128	37	109

### Dimensions





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• The pump performance for foam concentrate, please contact Surex, or down load from [www.surexfoam.com](http://www.surexfoam.com).