

Model G7-80 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

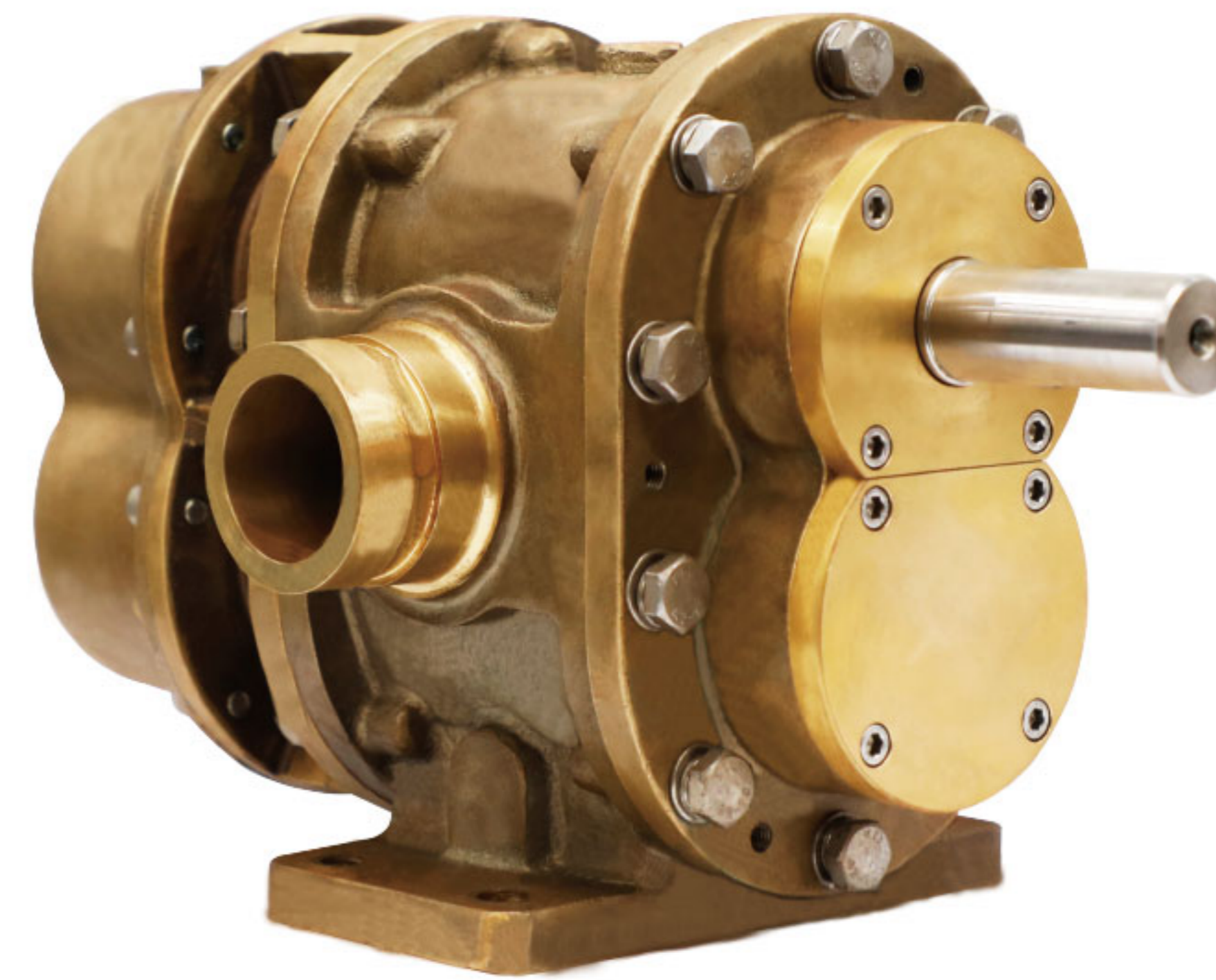
Viscosity : 9500cp max.[1]

Connection Diameter: DN50(60.3 O.D.)、2"

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

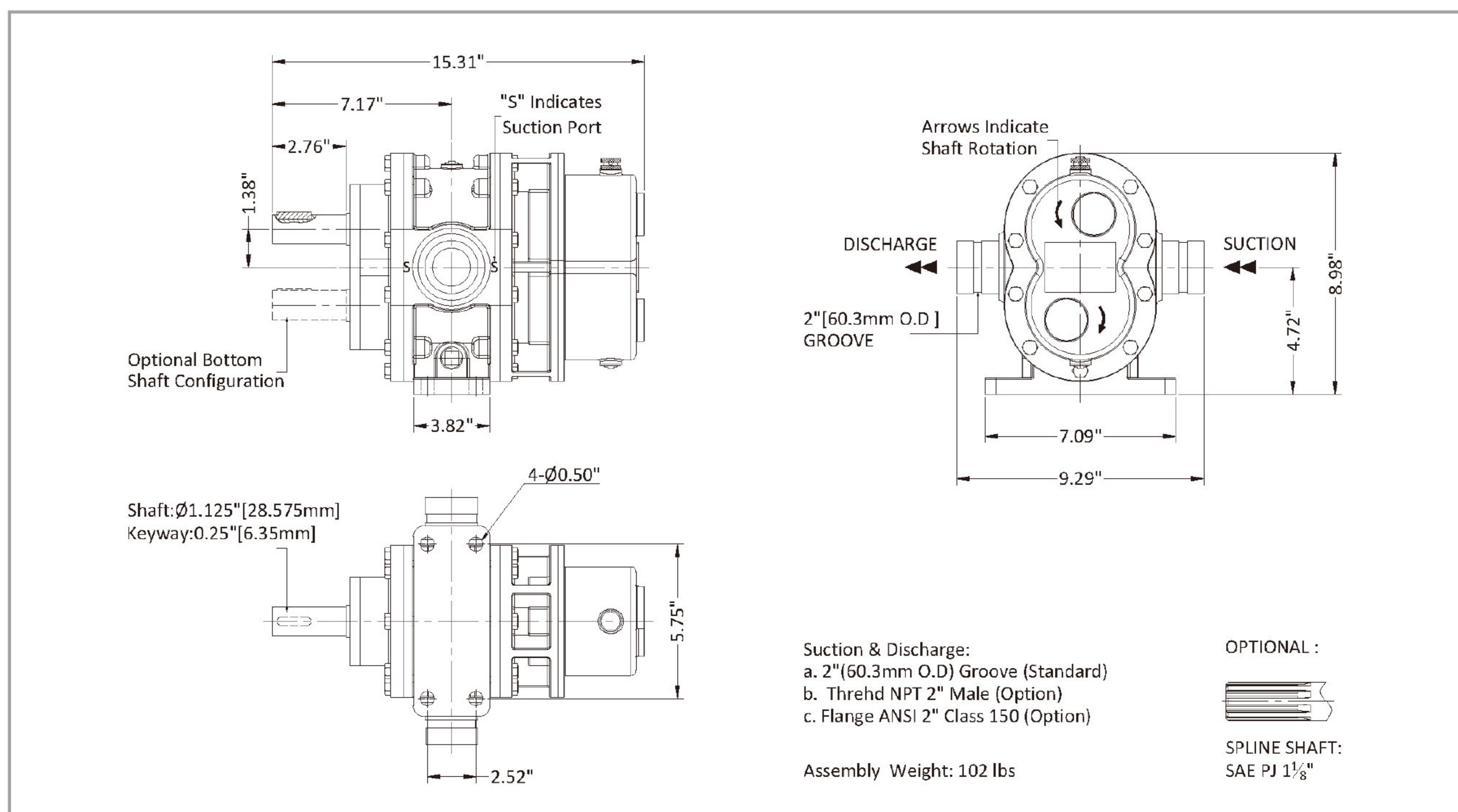
Timing Gear: Alloy Steel 20CrMnTi (ASTM A29M)

Lip Seal : FPM

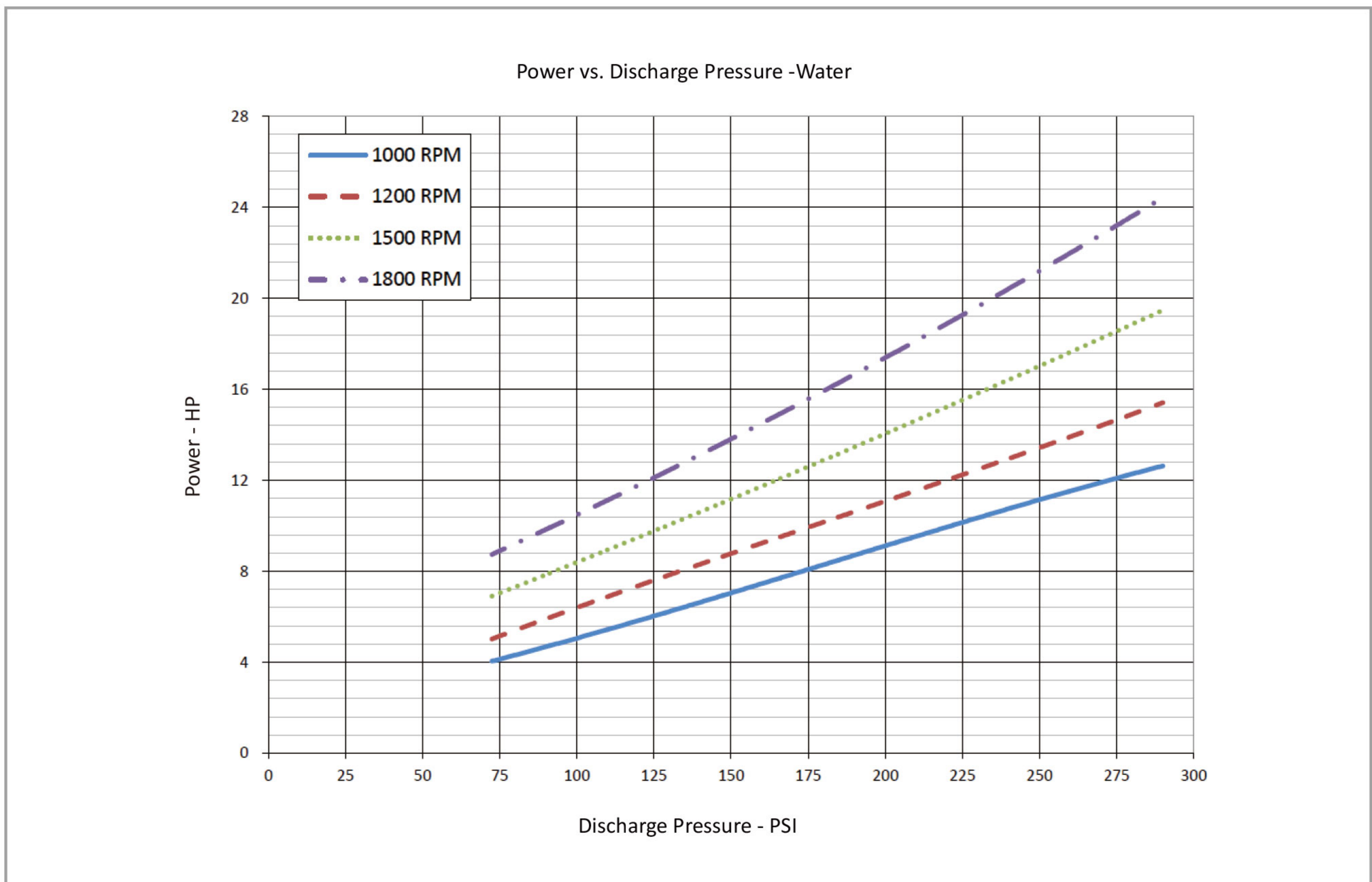
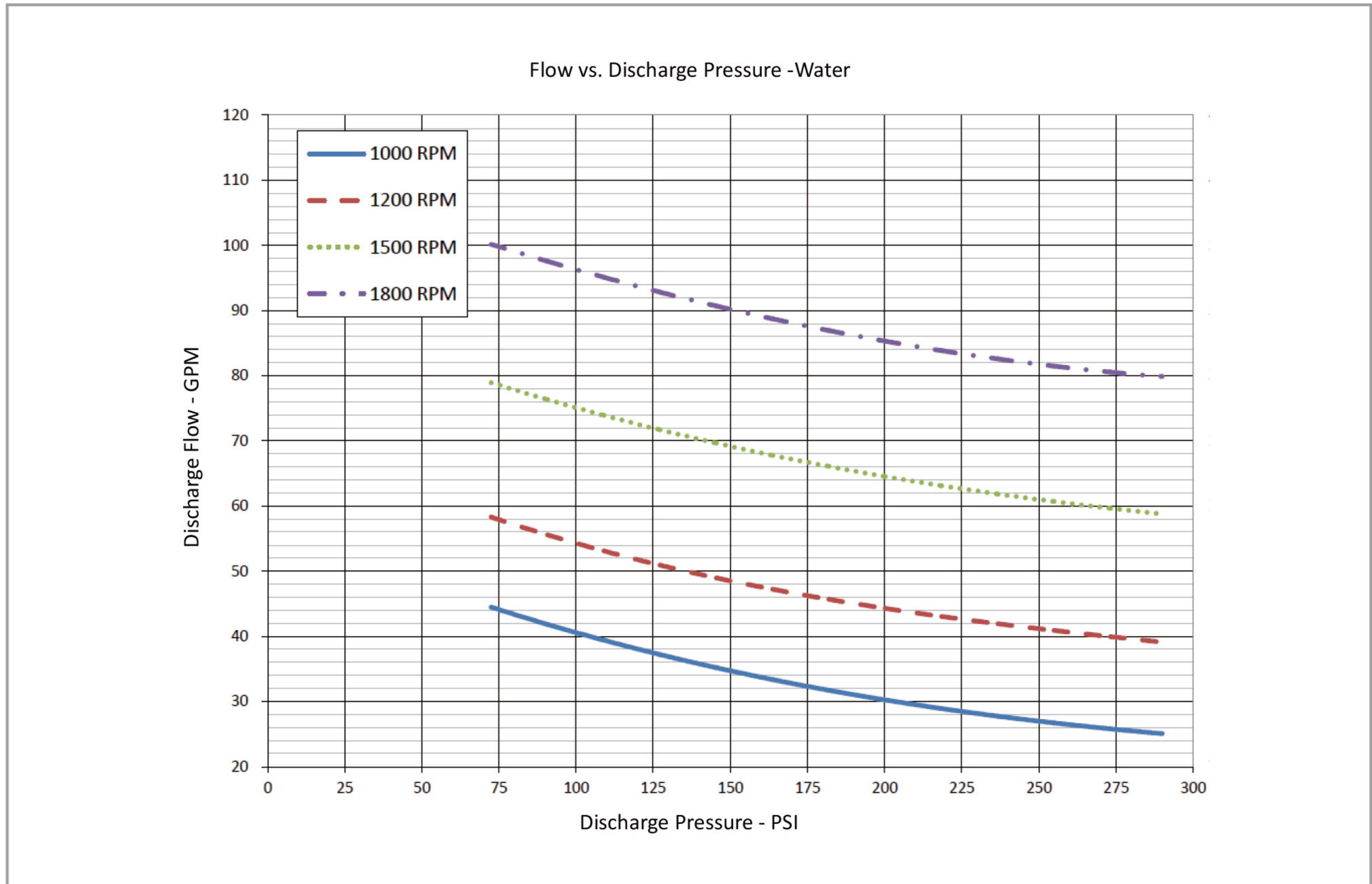
Performance -Water

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	44	4	21	58	5	22	79	7	24	100	9	26
	100	41	5	27	54	6	28	75	8	29	96	10	31
	150	35	7	38	49	9	38	69	11	39	90	14	41
	200	30	9	48	44	11	49	65	14	50	85	18	52
	250	27	11	59	41	13	59	61	17	61	82	22	63
	290	25	13	67	39	15	68	59	19	69	80	24	72

Dimensions



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• The pump performance for foam concentrate, please contact Surex, or down load from www.surexfoam.com.