

Model G8-80 Rotary Gear Pump

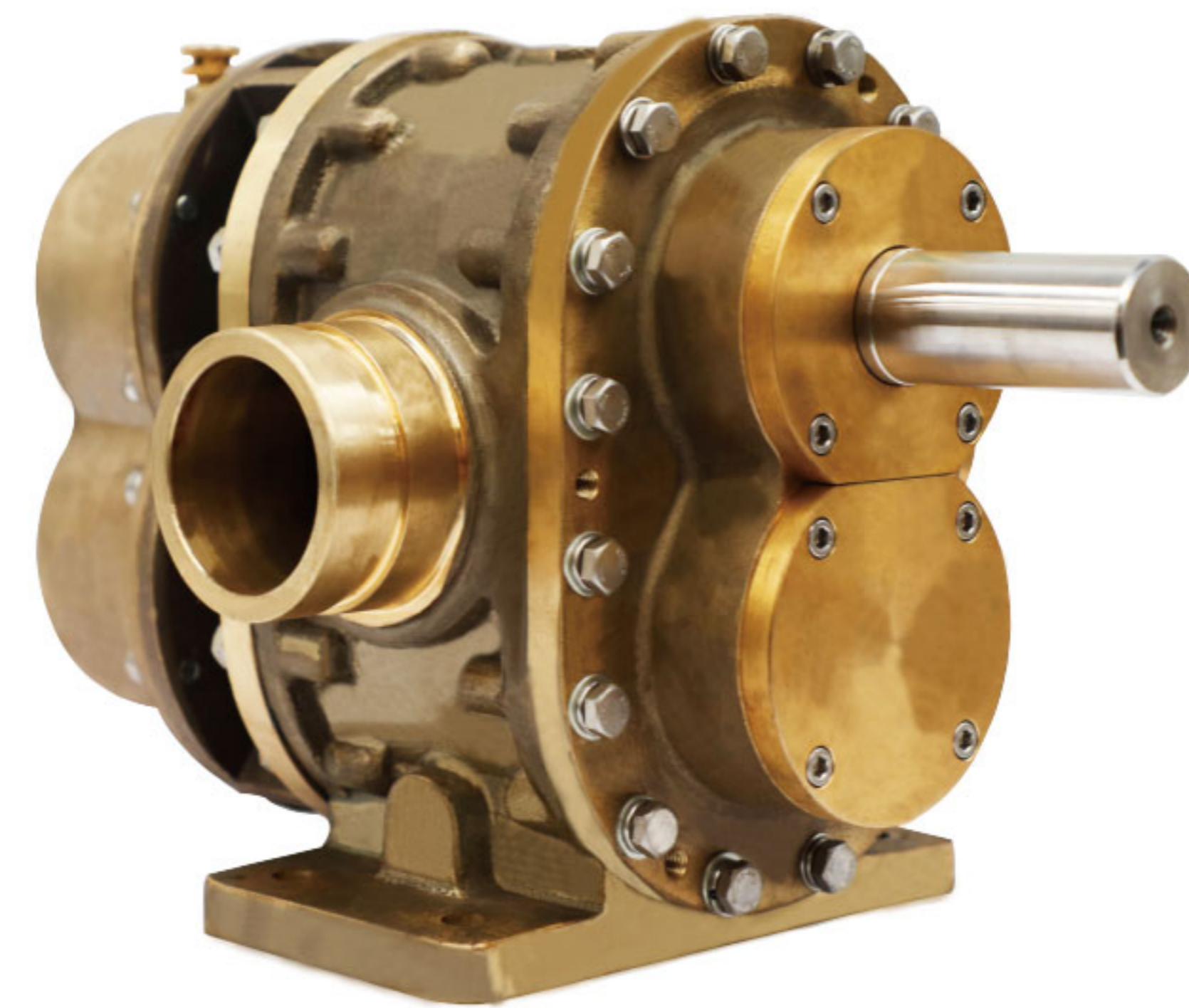
Surex rotary gear pumps designed for foam extinguishing system. They are Self-Priming and can pump Multiple Viscosities of Foam or Water. This versatile design is suitable for Electric, PTO, Diesel/Gasoline Engine, Water Driven or Hydraulic drive motors.

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: DN65(76.1 O.D.)、2½"
Connection Type: Groove、Thread、Flange
Approvals: FM
[1]Brookfield viscometer, spindle #4, speed 30rpm.



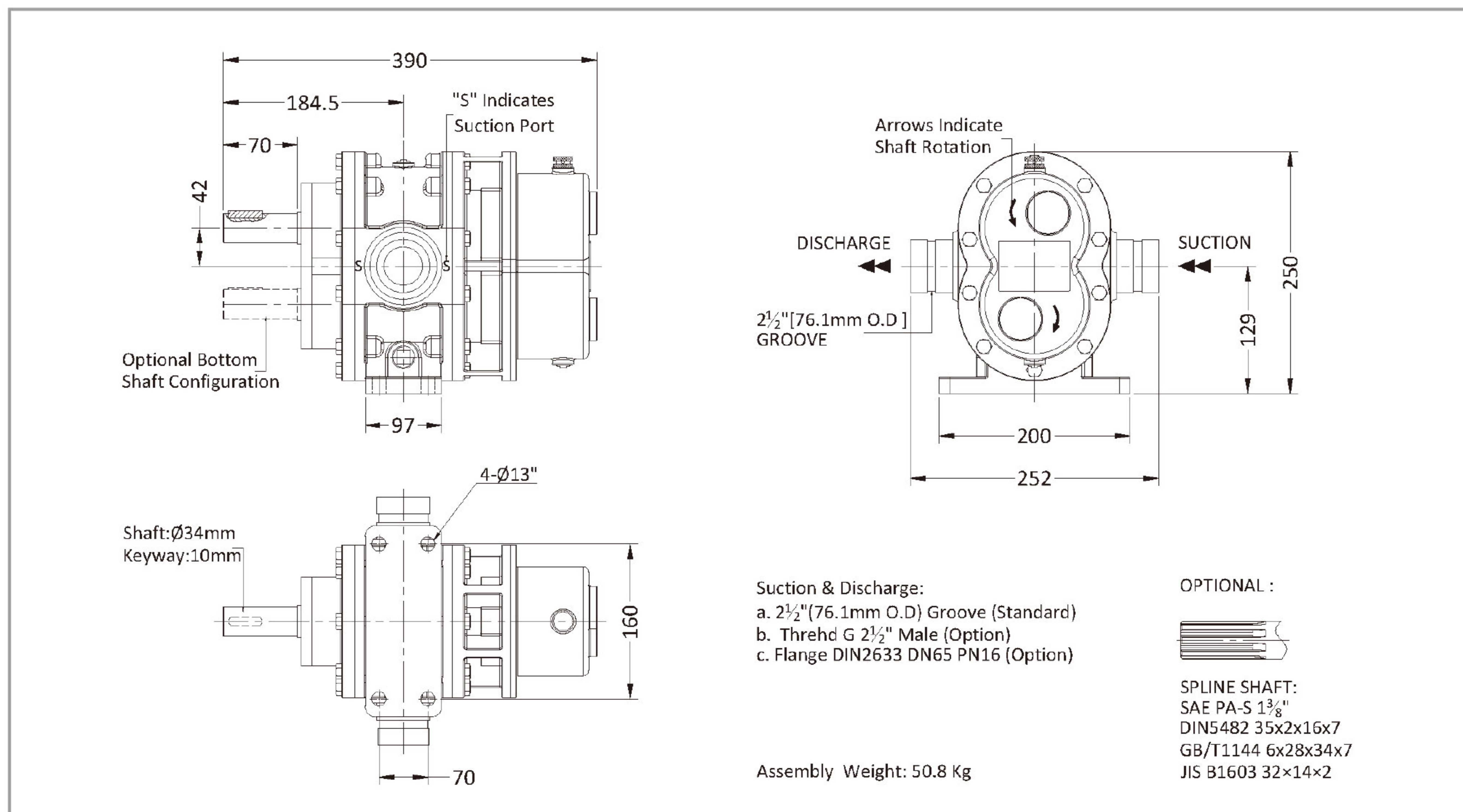
Materials :

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

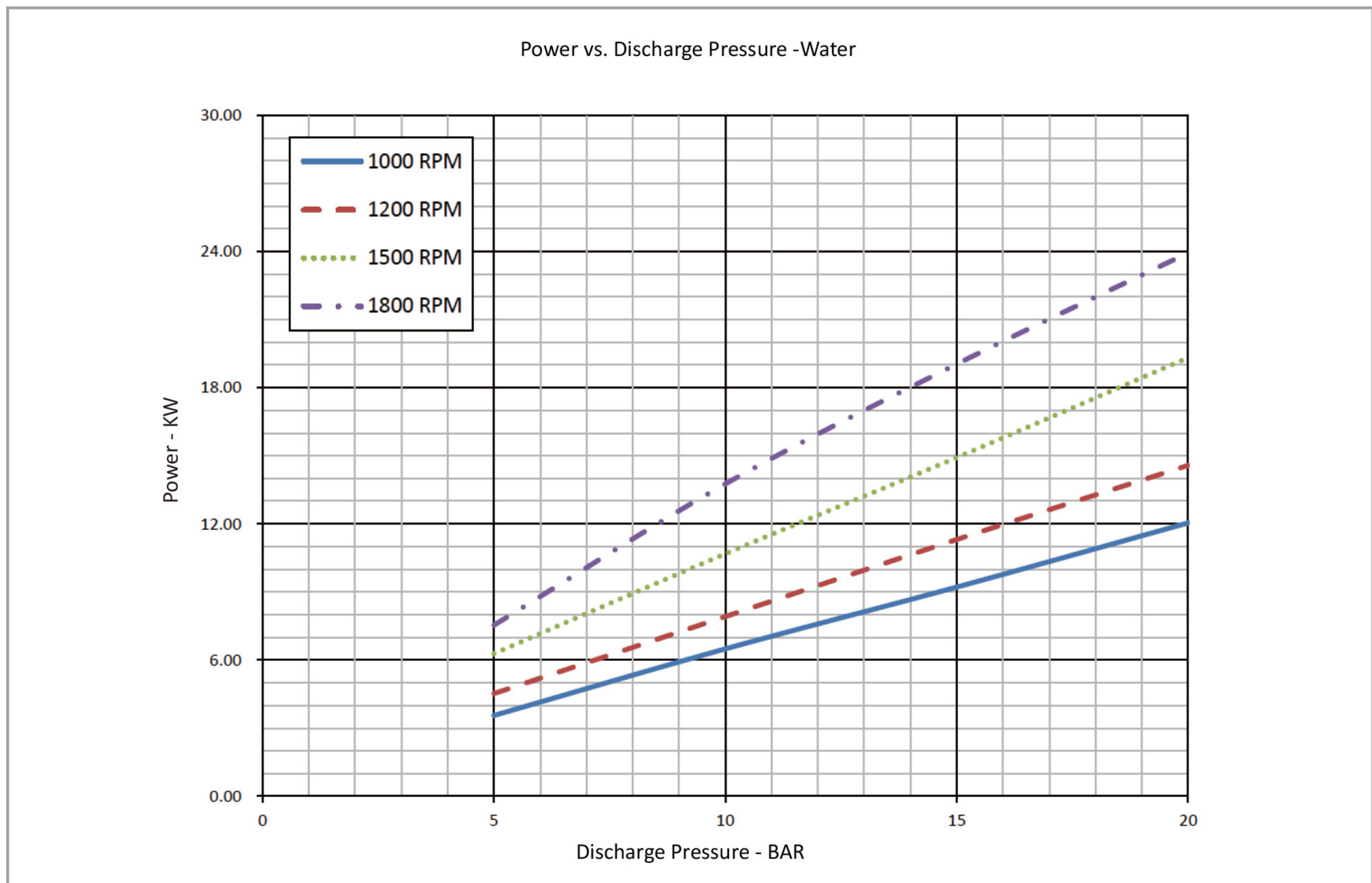
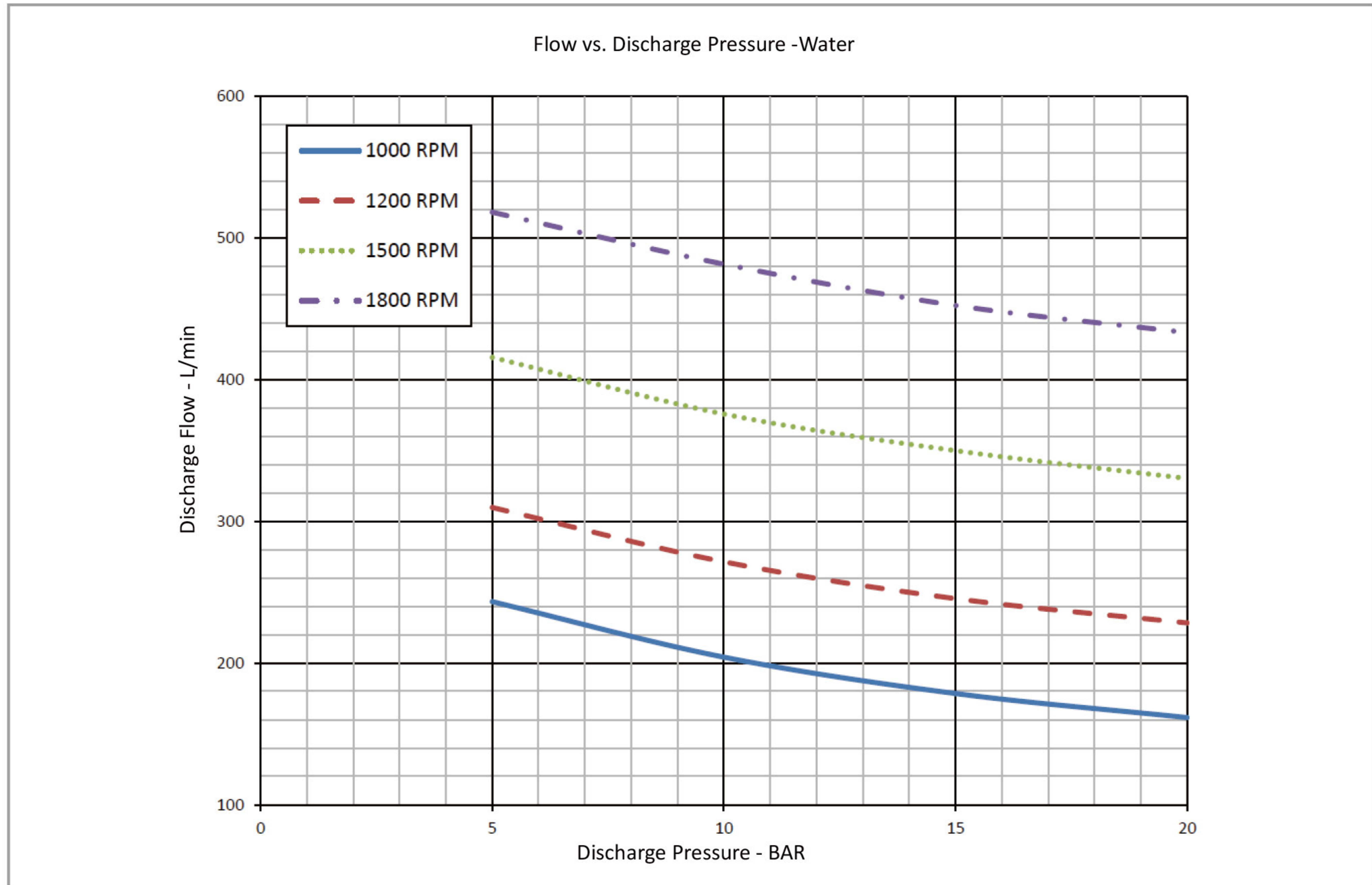
Performance -Water

Foam Pump	1000rpm			1200rpm			1500rpm			1800rpm			
	Pressure	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	243	4	34	310	5	36	416	6	40	518	8	40
	6.9	227	5	45	294	6	47	399	8	51	503	10	53
	10.3	203	7	63	270	8	65	375	11	70	479	14	74
	13.8	184	9	82	251	10	83	355	14	88	459	18	95
	17.2	169	10	100	236	13	101	340	17	107	443	21	114
	20.0	162	12	115	228	15	116	330	19	123	433	24	127

Dimensions



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