

Model G7T-110 Rotary Gear Pump

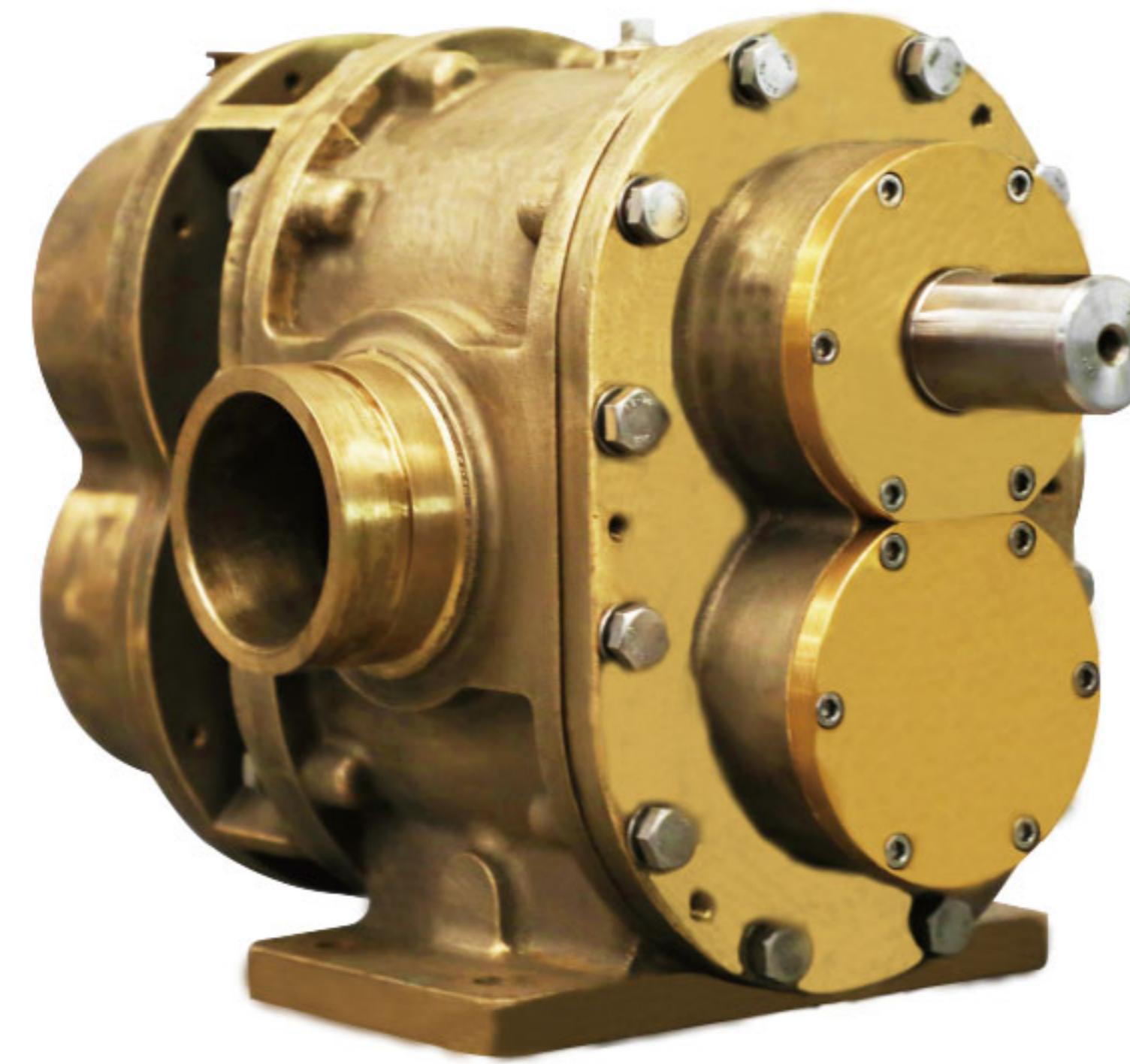
Surex rotary gear pumps designed for foam extinguishing system. They are Self-Priming and can pump Multiple Viscosities of Foam or Water. This versatile design is suitable for Electric, PTO, Diesel/Gasoline Engine, Water Driven or Hydraulic drive motors.

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: DN80(88.9 O.D.)、3"
 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	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

470
214.5
70
50
132
Optional Bottom Shaft Configuration
Shaft: Ø38mm Keyway: 10mm
4-Ø13"
180
80

Arrows Indicate Shaft Rotation
DISCHARGE
SUCTION
3" [88.9mm O.D.] GROOVE
296
152
220
285

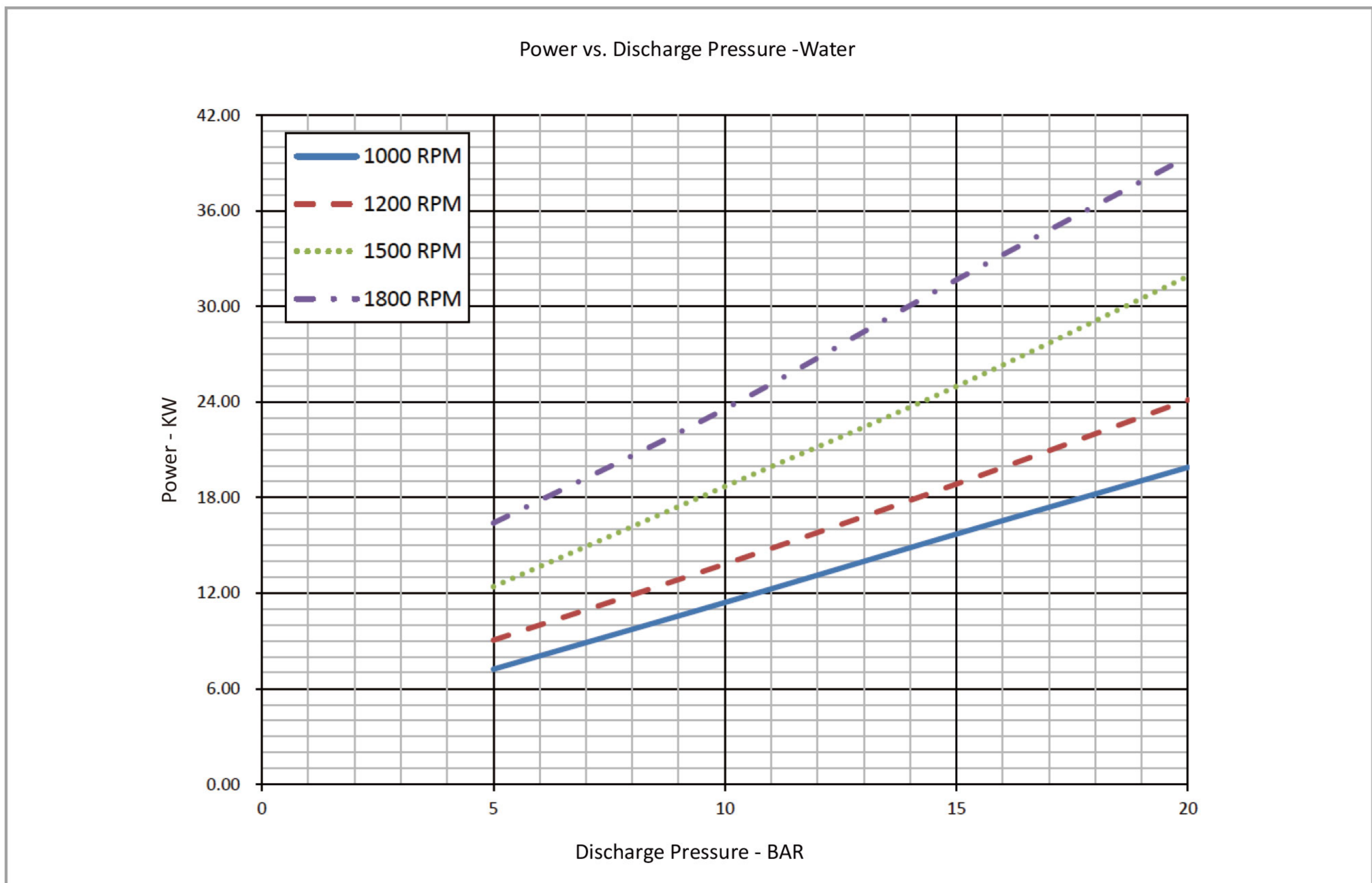
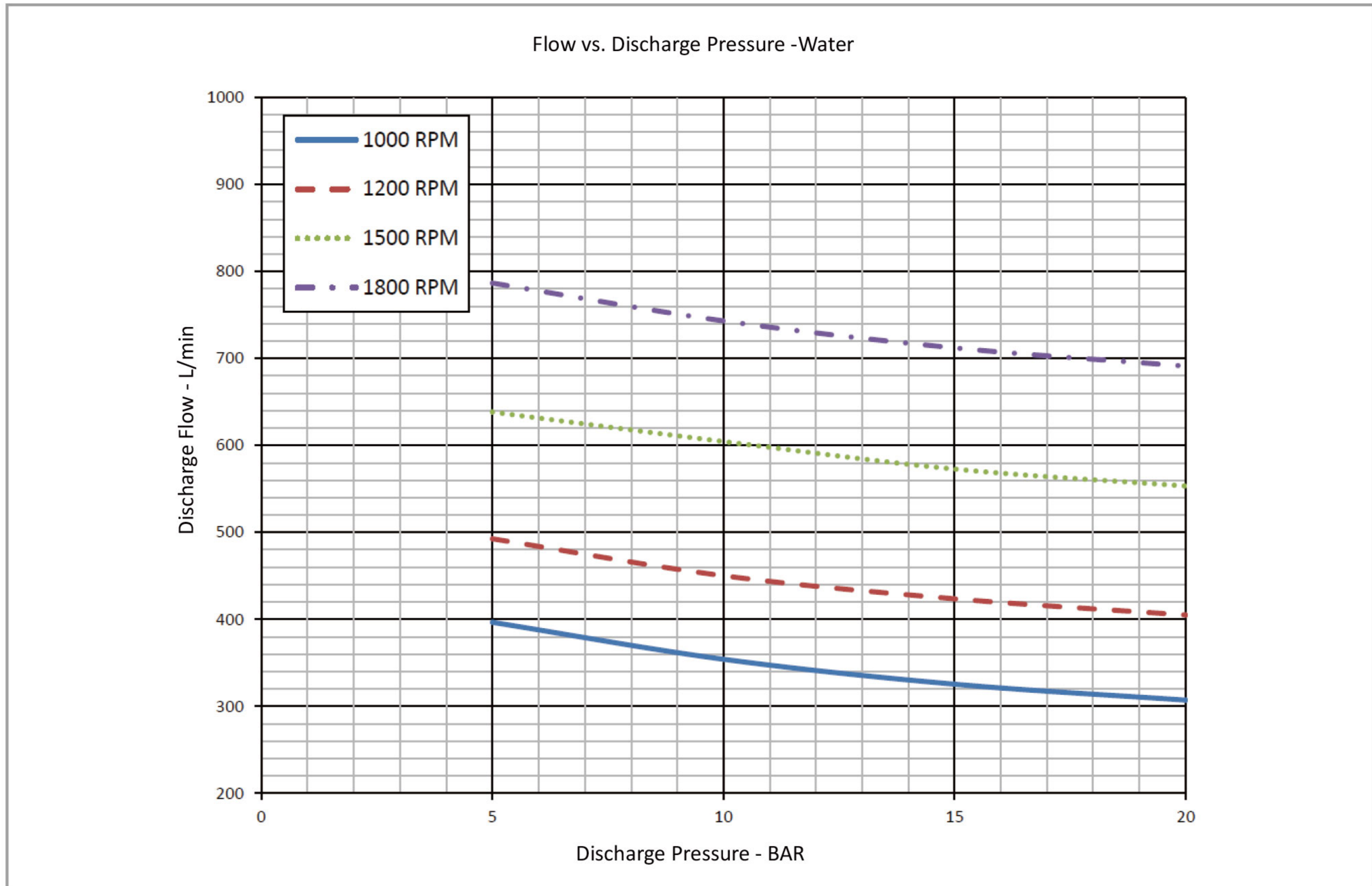
Suction & Discharge:
 a. 3" (88.9mm O.D.) Groove (Standard)
 b. Thred G 3" Male (Option)
 c. Flange DIN2633 DN80 PN16 (Option)

OPTIONAL :

SPLINE SHAFT:
 SAE PD-S 1½"
 DIN5482 40x2x18x7H
 GB/T1144 8x32x38x6
 JIS B1603 38x17x2

Assembly Weight: 87.6 Kg

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