

## Model G6-55 Rotary Gear Pump

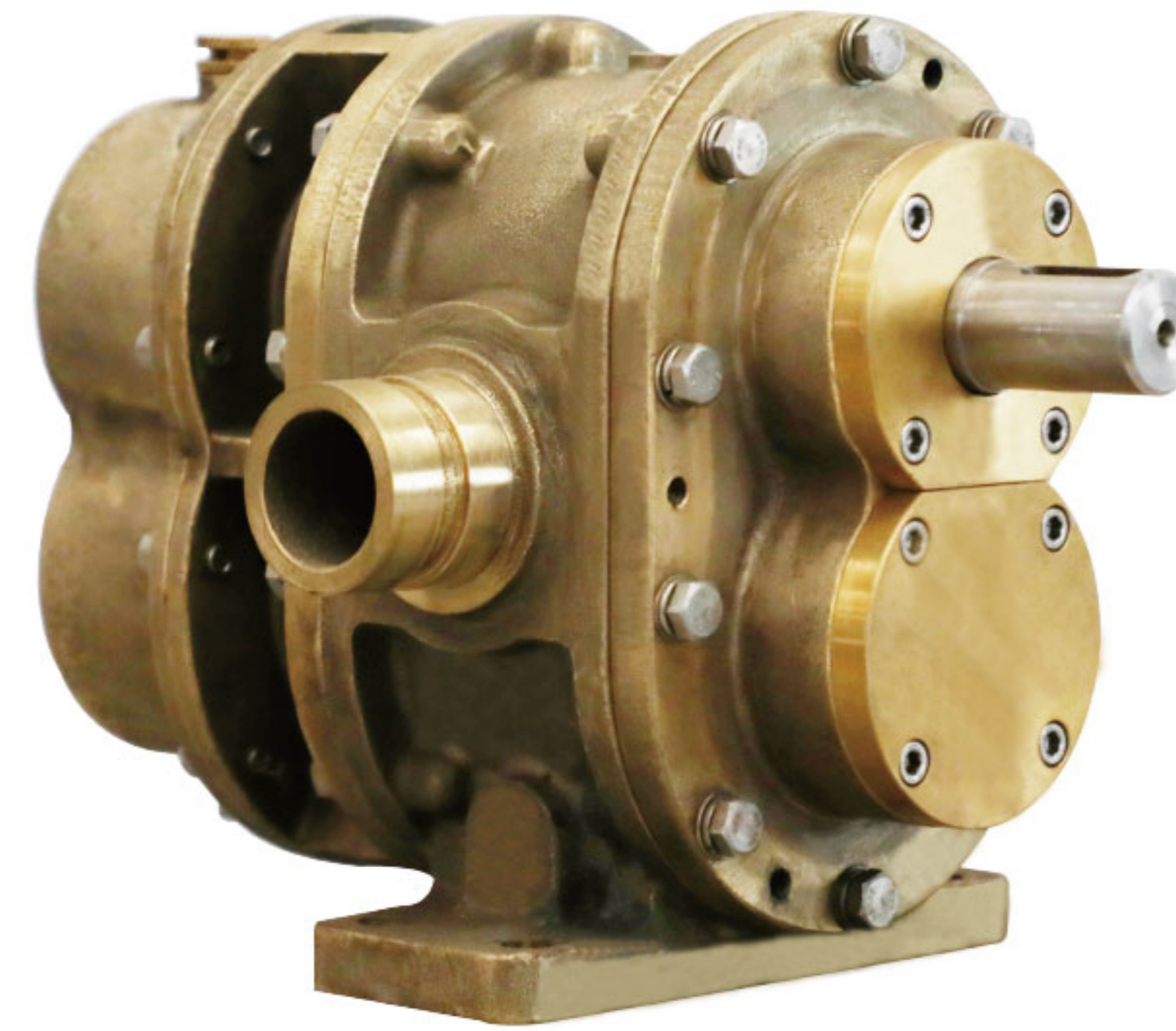
Surex rotary gear pumps designed for foam extinguishing system. They are Self-Priming and can pump Multiple Viscosities of Foam or Water. This versatile design is suitable for Electric, PTO, Diesel/Gasoline Engine, Water Driven or Hydraulic drive motors.

### 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: DN40(48.3 O.D.)、1½"  
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 bar	Flow L/min	Power kw	Torque N.m	Flow L/min	Power kw	Torque N.m	Flow L/min	Power kw	Torque N.m	Flow L/min	Power kw
5.0	106	2	19	136	3	21	184	4	23	233	5	25
6.9	97	3	25	128	3	25	176	4	29	224	5	35
10.3	84	4	33	115	4	32	163	6	36	211	7	43
13.8	74	4	41	105	6	40	153	7	44	200	8	50
17.2	66	5	48	96	7	49	144	8	52	192	10	57
20.0	61	6	58	91	8	60	138	10	61	186	11	60

### Dimensions

353  
170  
70  
36  
"S" Indicates Suction Port  
Optional Bottom Shaft Configuration  
72  
4-Ø13"  
Shaft: Ø28mm Keyway: 8mm  
146  
46  
Arrows Indicate Shaft Rotation  
DISCHARGE  
1½" [48.3mm O.D] GROOVE  
SUCTION  
228  
120  
180  
234

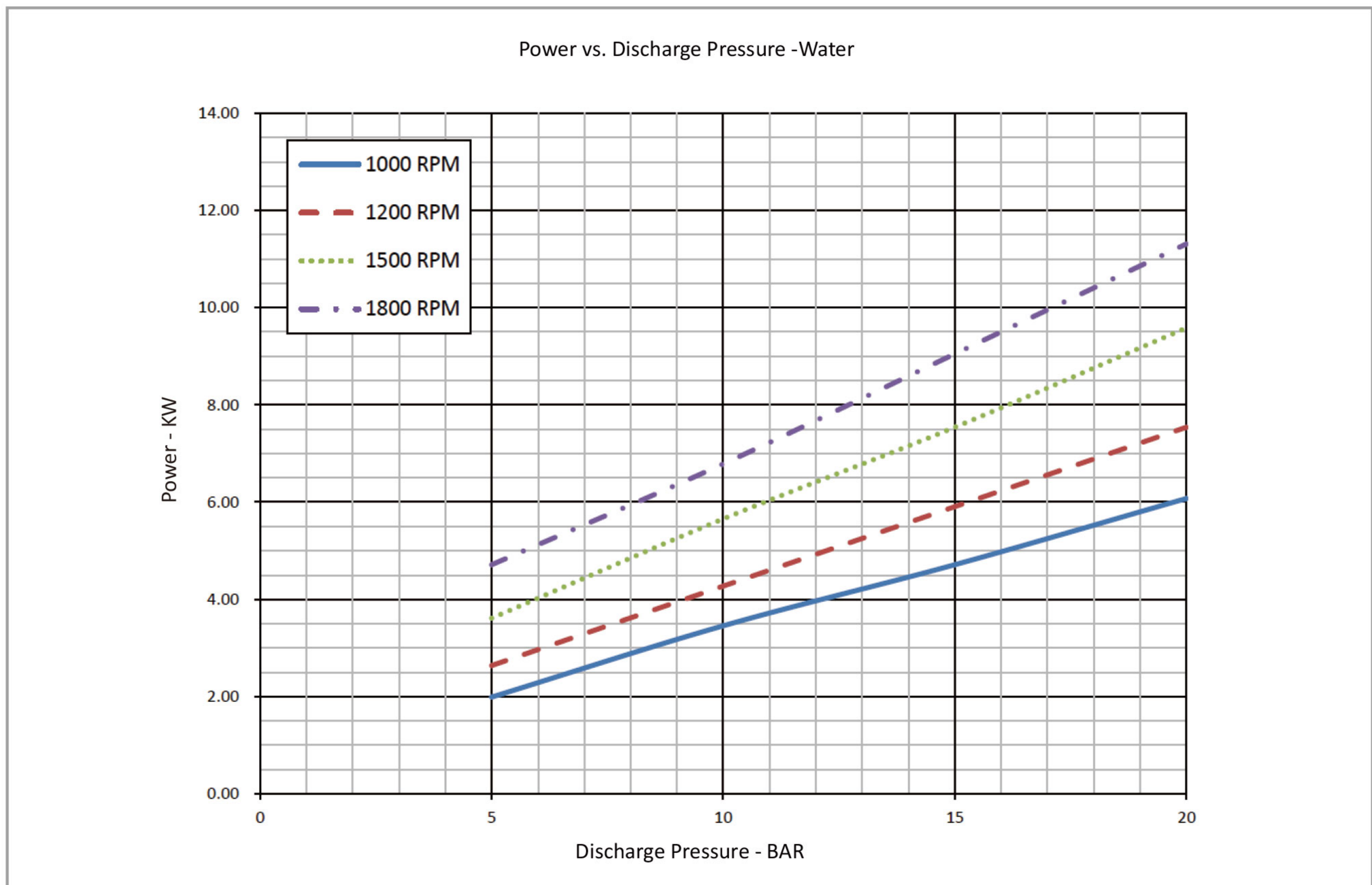
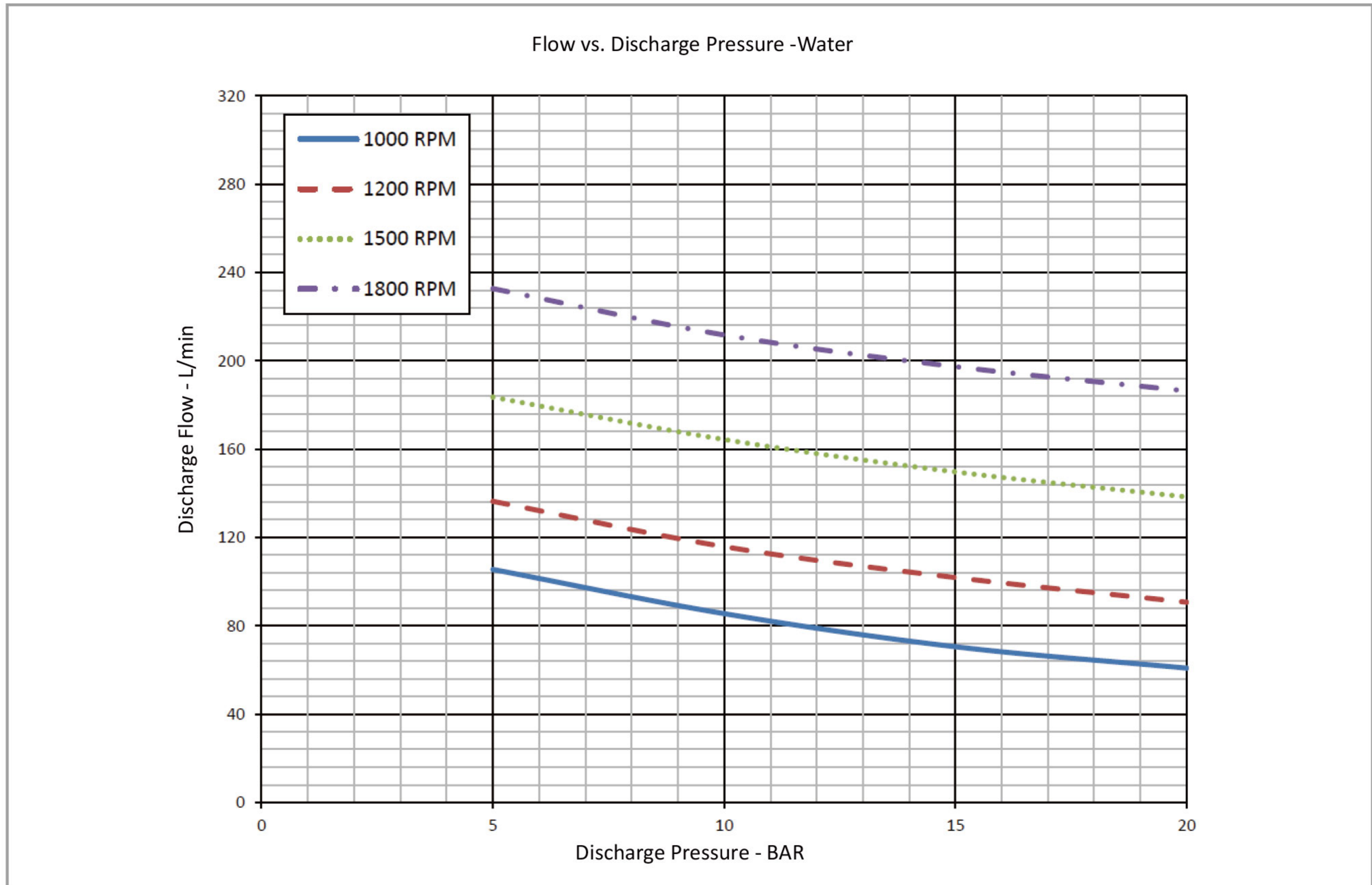
Suction & Discharge:  
a. 1½"(48.3mm O.D) Groove (Standard)  
b. Thred G 1½" Male (Option)  
c. Flange DIN2633 DN40 PN16 (Option)

OPTIONAL :

SPLINE SHAFT:  
SAE PJ 1½"  
DIN5482 30x2x14x7H  
GB/T1144 6x23x28x6  
JIS B1603 28x12x2

Assembly Weight: 34.5 Kg

# Model G6-55 Rotary Gear Pump



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