



CS-6 Preliminary Data Sheet*

**This report contains provisional data from pre-production pumps*

Mechanical Properties	Value
Flow Rate Per Revolution	0.073 ml (73 µl)
Minimum Resolution	0.024 ml (24 µl)
Number of Boluses	3
Baseline Dose Accuracy ^[1]	±5% at ±3 SD
Operating Speeds	1 – 10 RPS
Flowrate range	0.073 – 0.73 ml/s
Average Drive Torque	45 mNm ^[2]
Max Drive Torque	60 mNm
Max Vacuum Capability	-13 psi ^[3]

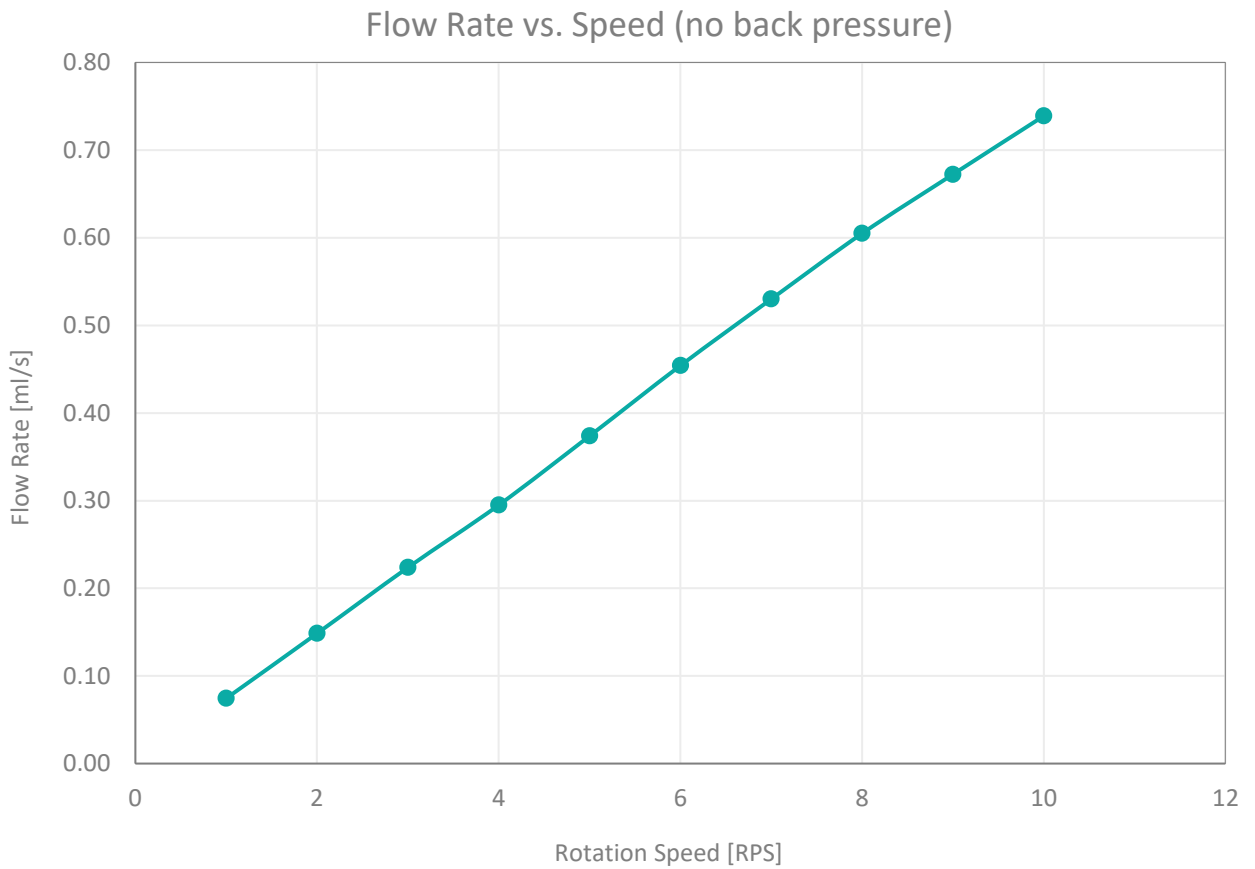
(1) Data for water without backpressure

(2) Data at 5 RPS for water without backpressure

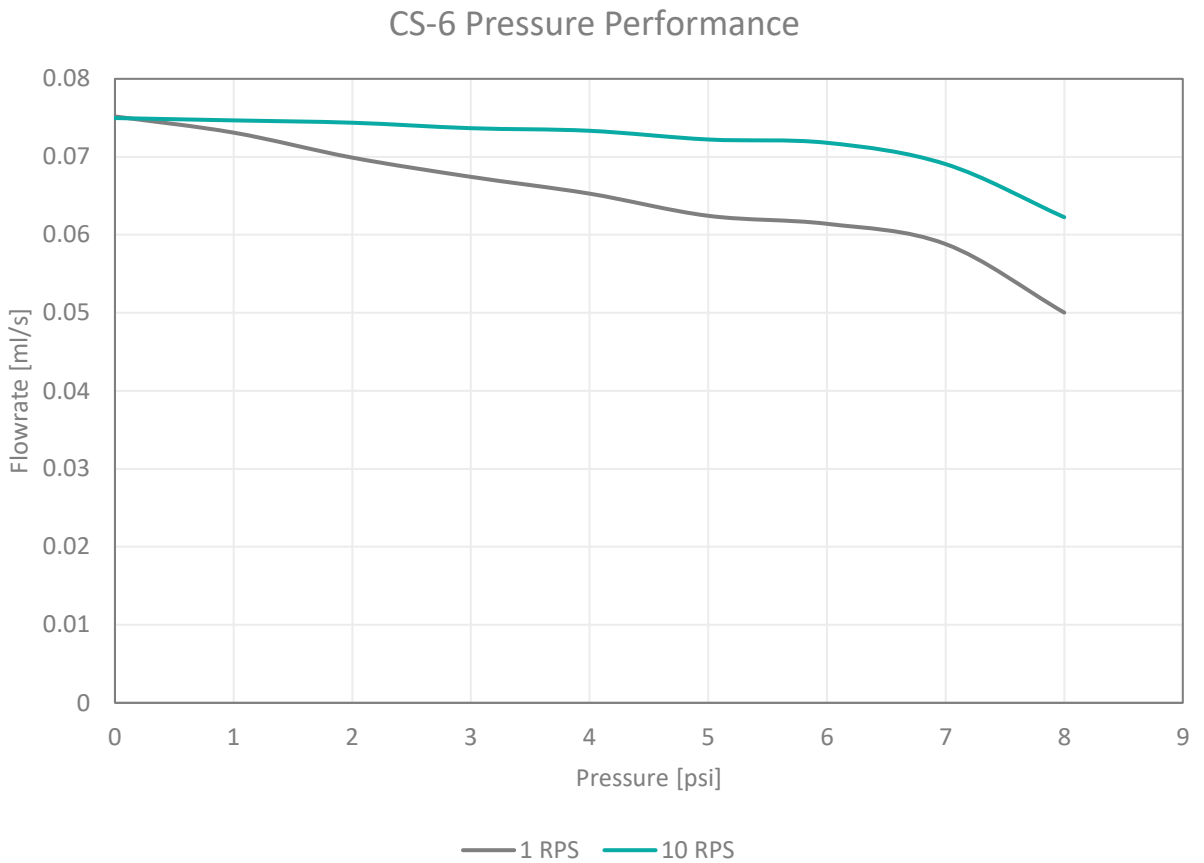
(3) Data at 5 RPS

Fluid-Contacting Material Properties				
Part	Materials	Medical Grade	USP Class VI	Gamma Compatible (40kGy)
Housing	Silicone	✓	✓	✓
Rotor	HDPE	✓	✓	✓
Shells/Barb/ Collar	MBS	✓	✓	✓

The following chart shows the flow rate performance of a Quantex CS-6 Pump at different rotation speeds (RPS) with water.



The following chart shows the performance of a Quantex CS-6 Pump against back pressure at different rotation speeds (RPS) with water. Data at intermediate speeds will fall between the limits set by the 1 RPS and 10 RPS curves.

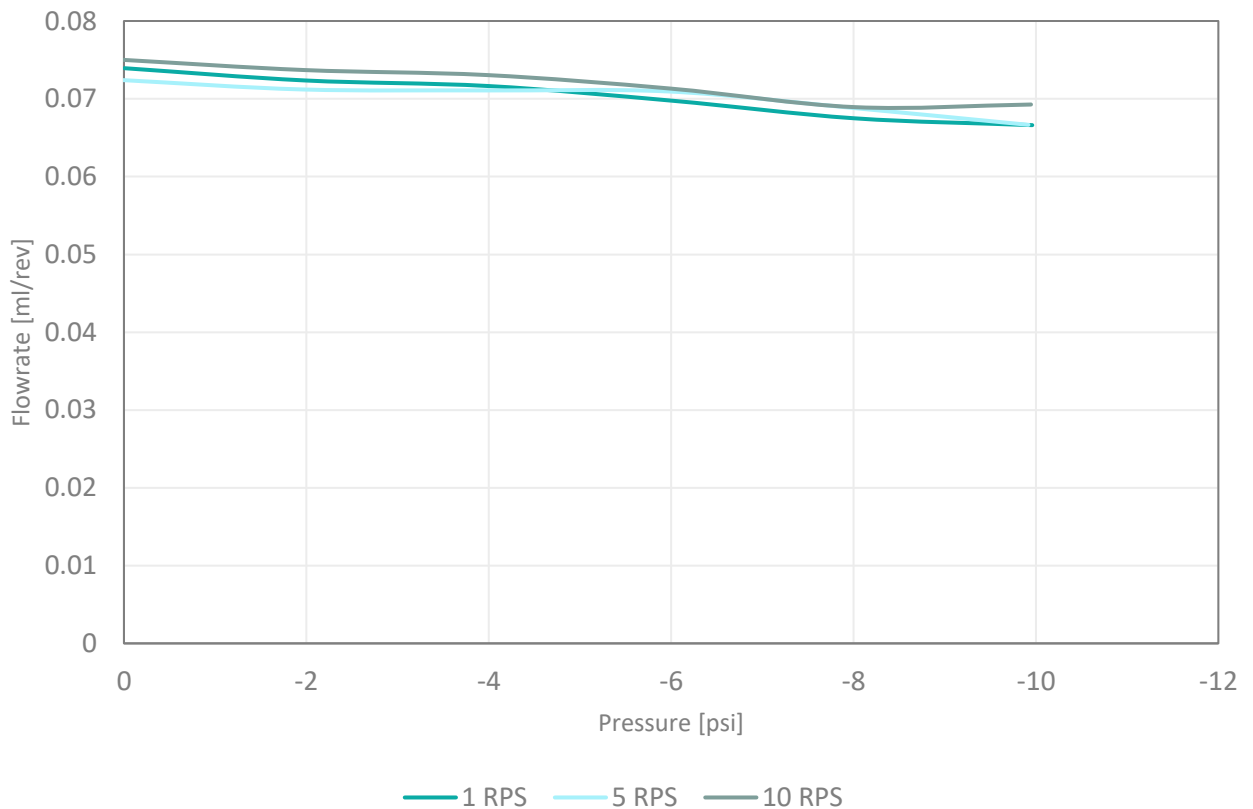


Dry Priming:

- Maximum dry vacuum capability (for priming): -13 psi at 5 RPS
- Maximum time to dry prime without wear at 5 RPS: 20 seconds

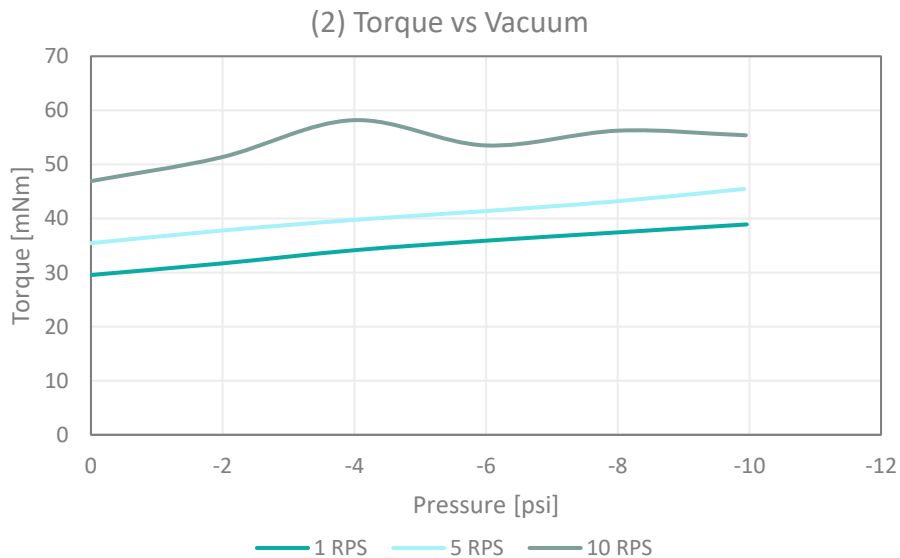
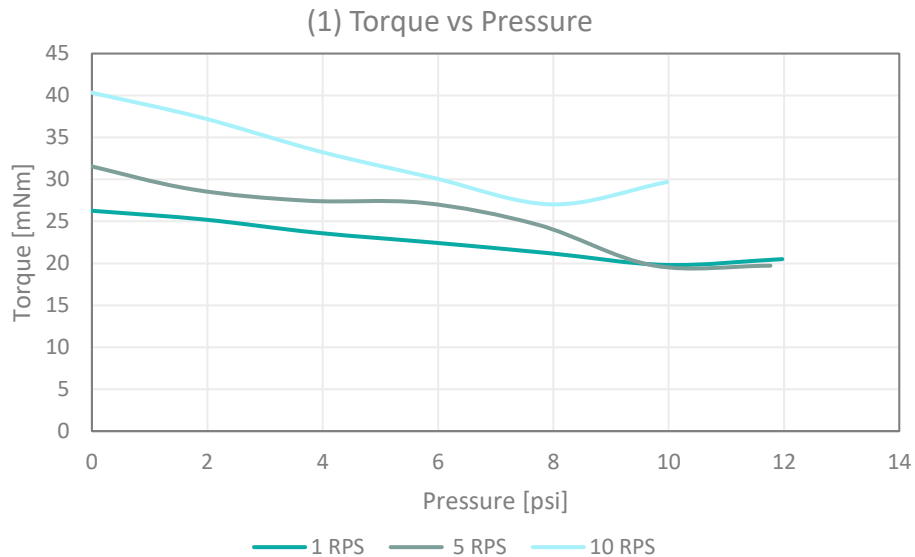
The following chart shows the performance of a Quantex CS-6 Pump against vacuum at different rotation speeds (RPS) with water.

CS-6 Flow vs Vacuum at different speeds



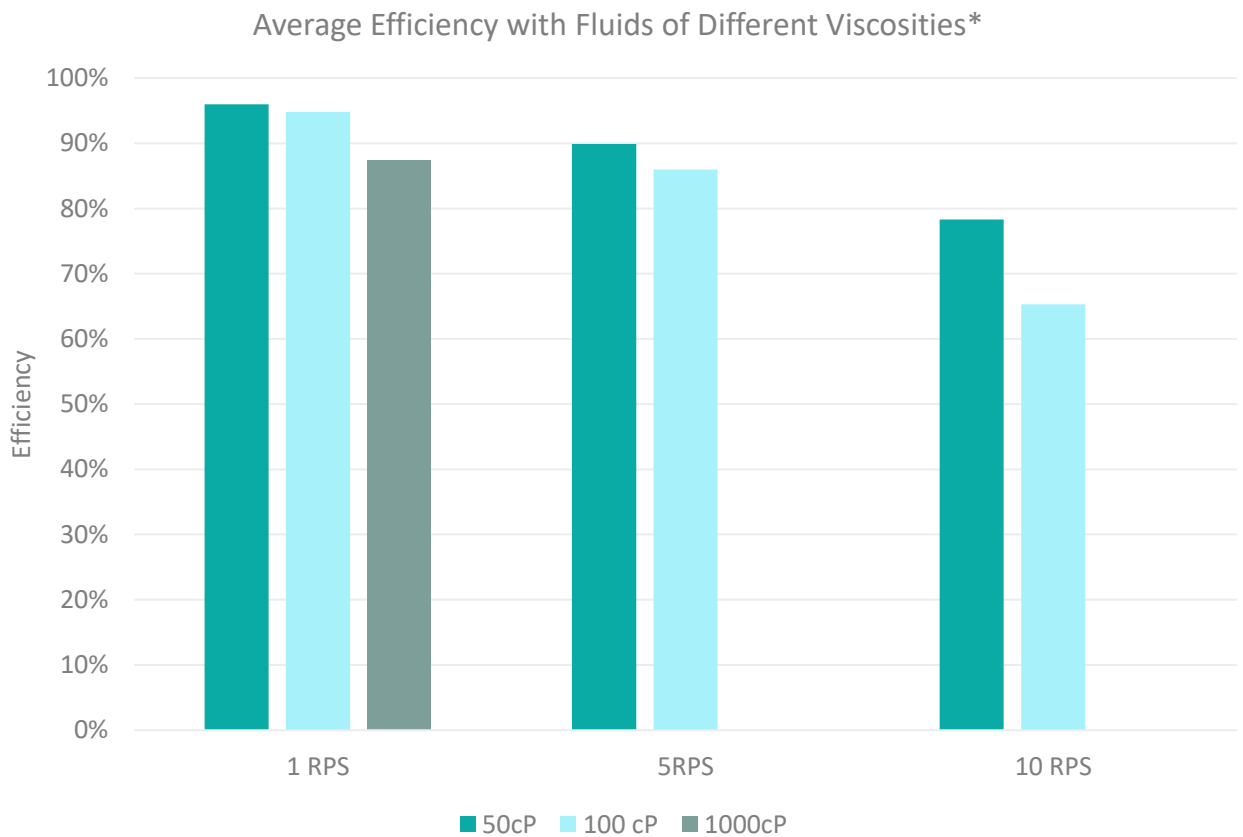
The following charts show the average running torque of a Quantex CS-6 Pump with water

- (1) against back pressure at different speeds, and
- (2) against vacuum at different speeds.



Above torque data is for a standard, uncoated CS-6 pump. Use of lubricants and/or low-friction coatings can reduce torque.

The following chart shows the flow efficiency of a Quantex CS-6 Standard Pump at different viscosities and rotation speeds (RPS). The liquid used is a glycerol-water mixture at 20°C.



*Compared to flow rate with water