

The 13mm rotor carries 3 cavities each with a volume of 0.21ml. Inlet and outlet ports are attached to an in-line system. The pump can be driven by a stepper or DC motor.

As standard the product is supplied with hose barbs. Alternatively, Quantex can provide a unique connector to suit the customers system.

The pump can be used in the food, beverage, consumer and industrial markets. The pump is available for evaluation only in the medical and biopharma markets.

The pump is available in four variants:

- SD** – standard pressure, bi-directional pump with self priming.
- HP** – high pressure capable pump with self priming.
- DL** – in-pump dilution delivering mix ratios of 4:1 to 50:1.
- HS** – features an air inlet for high-speed running.

	QX25-SD	QX25-HP	QX120-DL	QX60-HS
Pump image				
Max flowrate	384ml/min 23L/hr		120L/hr (23L/hr concentrate)	63L/hr
Resolution	0.21ml			
Operating speed	1 - 10rps			1 - 27.5rps
Baseline accuracy	± 5%			
Max pressure	1 bar	4 bar	2 bar	1 bar
Max vacuum	-0.5 bar			
Max torque	300mNm			
Max fluid viscosity	1000cP			
Operating temperature	2-40°C			
Dimensions (mm)	39W, 39L, 25H		39W, 39L, 31H	
Weight	8.2g			7.3g
Wetted materials	PP, HDPE, NBR	PP, HDPE, NBR, SIL		PP, HDPE, NBR
Longevity	190 litres (with water, without pressure & irradiation)		TBD	TBD

Low Flow Pump Range

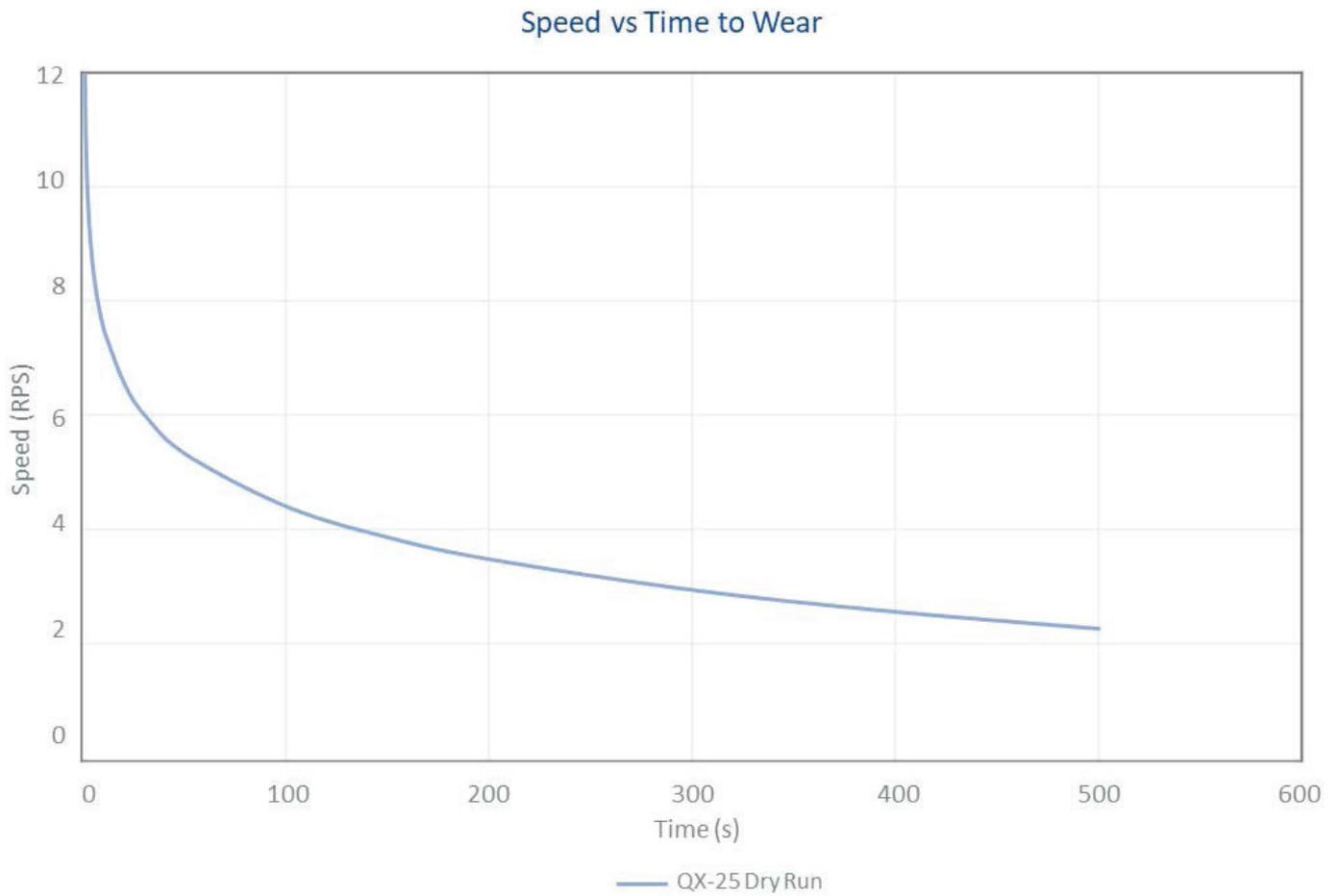
The pumps are designed to be compatible with various unique connector designs which can be attached to the core pump to suit customer needs.

The off the shelf connector offerings are shown below.

PUMP COMPATIBILITY	CONNECTOR DESCRIPTION	PRODUCT IMAGE
QX25-SD-AA QX25-HP-AA QX120-DL-AA QX60-HS-AA	'AA' Connector Hose barb for pump inlet and outlet 10mm OD barb fitting For use with 5/16" or 8mm flexible tubing	
QX25-SD-BB QX25-HP-BB QX120-DL-BB QX60-HS-BB	'BB' Connector Hose barb for pump inlet and outlet 5.5mm OD barb fitting For use with 3/16" or 5mm flexible tubing	
QX25-SD-CC QX25-HP-CC QX120-DL-CC QX60-HS-CC	'CC' Connector Hose barb for pump inlet and outlet 3.3mm OD barb fitting For use with 3/32" or 2.5mm flexible tubing	
QX25-SD-DD QX25-HP-DD QX120-DL-DD QX60-HS-DD	'DD' Connector Hose barb for pump inlet and outlet 5.5mm OD barb fitting For use with 3/16" or 5mm flexible tubing	

Low Flow Pump Range

Chart showing that dry priming/running needs to be limited. Wear can occur quickly at high dry running speeds.

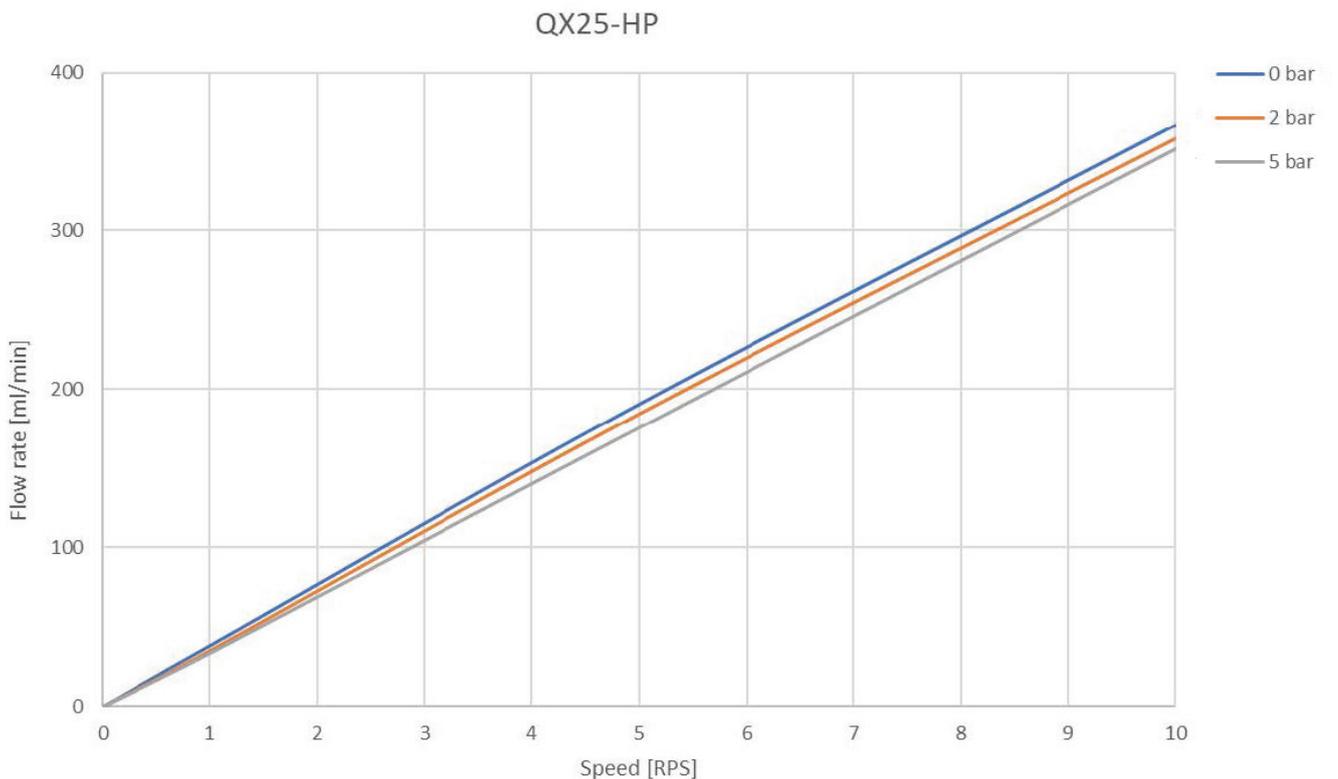
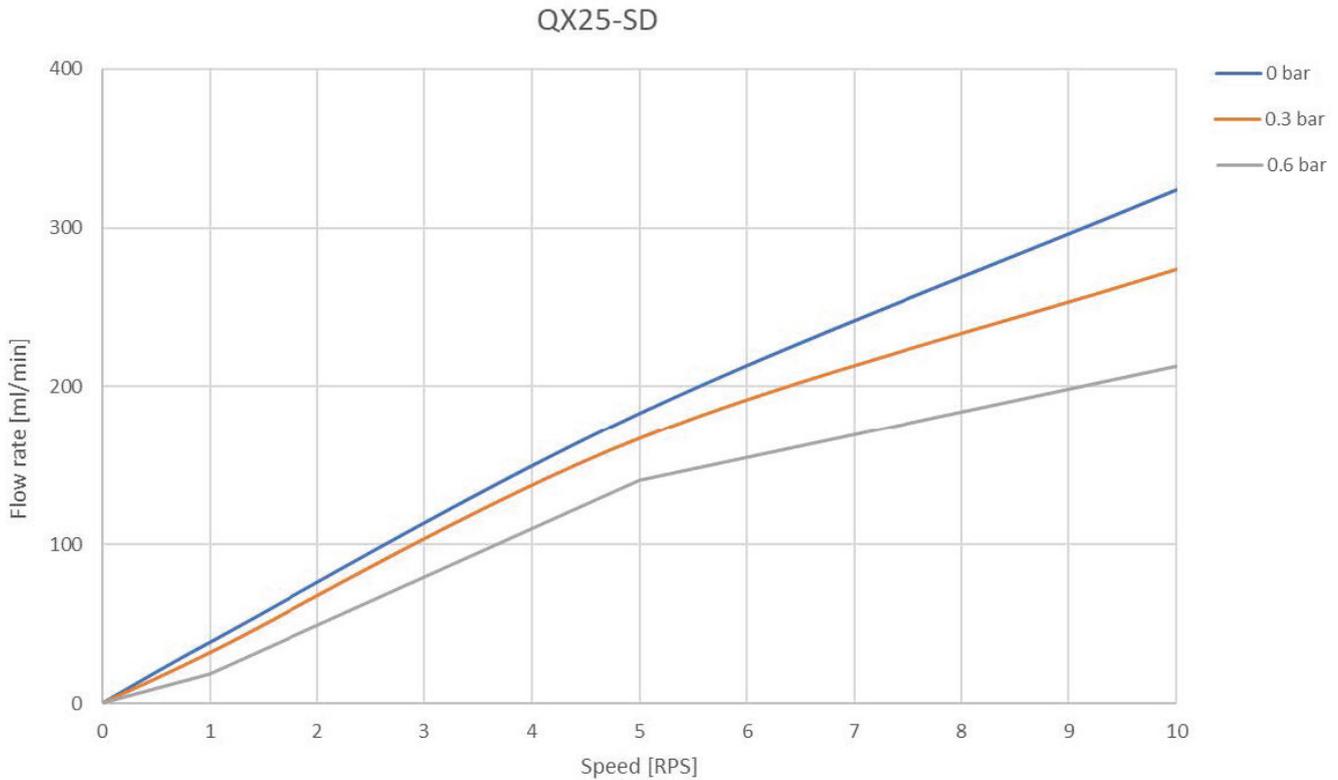


Low Flow Pump Range

QX25

The chart below shows flowrate versus speed at three different pressure points.

For a standard pump the flow efficiency starts to drop with pressure. The efficiency of the high pressure pump remains much higher with high back pressure.





All Quantex™ products to be ordered at PSG Germany:

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