

The 20mm rotor carries 2 cavities each with a volume of 1.35ml. . Suitable for high viscosity liquids and soft particulates. The pump can be driven by a stepper or DC motor.

Inlet and outlet ports are attached to an in-line system and 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 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 2:1 to 25:1.

HS – features an air inlet for high-speed running.

	QX100-SD	QX100-HP	QX260-DL	QX265-HS
Pump image				
Max flowrate	97L/hr		261L/hr (97L/hr concentrate)	267L/hr
Resolution	1.35ml			
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	500mNm			
Max fluid viscosity	50,000cP			
Operating temperature	2-40°C			
Dimensions (mm)	63W, 51L, 34H			63W, 51L, 40H
Weight	26.4g	26.3g	26.7g	22.9g
Wetted materials	PP, HDPE, NBR	PP, HDPE, NBR, SIL		PP, HDPE, NBR

High 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.



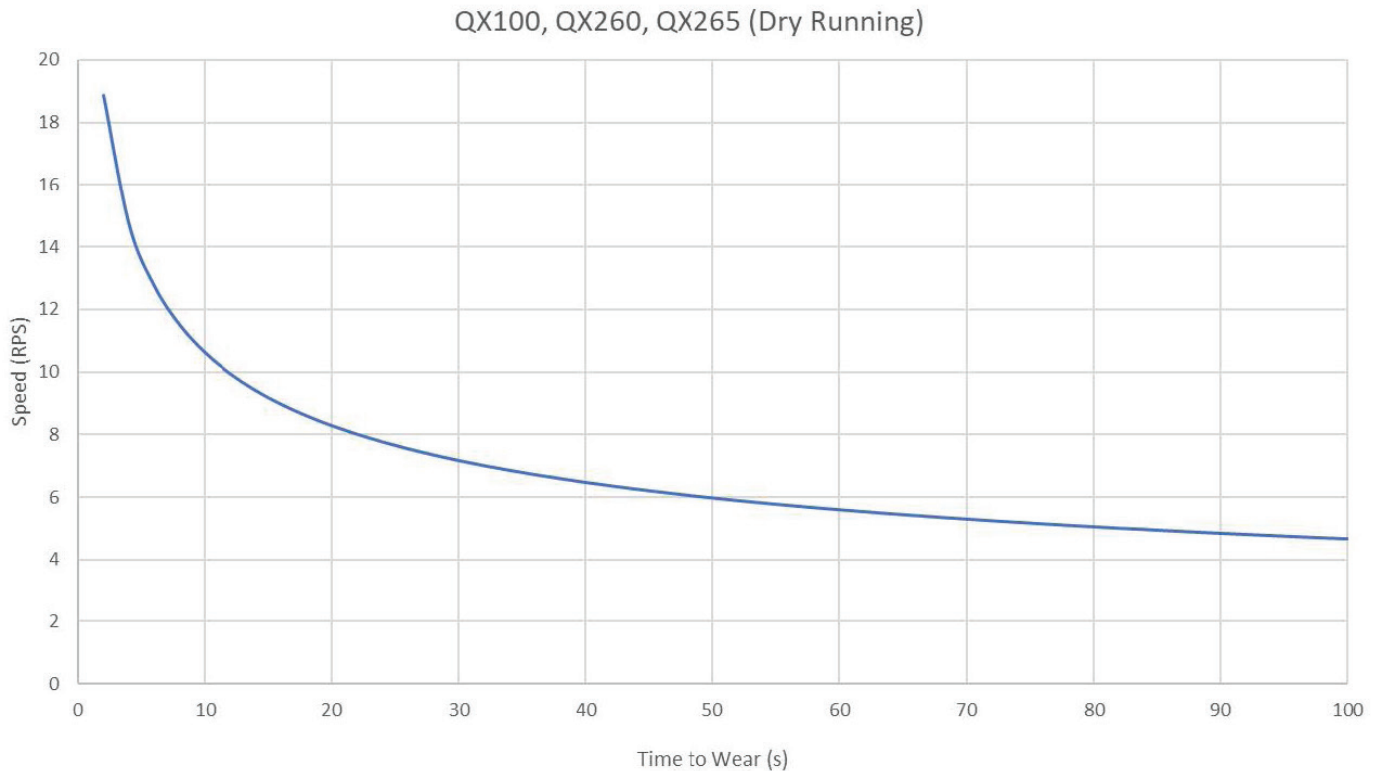
PUMP COMPATIBILITY	CONNECTOR DESCRIPTION	PRODUCT IMAGE
<p>QX100-SD-AA QX100-HP-AA QX260-DL-AA QX265-HS-AA</p>	<p>'AA' Connector Barb fitting compatible with inlet and outlet side of the pump For use with 3/8" or 10mm ID flexible hose tubing</p>	
<p>QX100-SD-BA QX100-HP-BA QX260-DL-BA QX265-HS-BA</p>	<p>'BA' Connector Inlet fitting Foiled bag piercing gland fitting Compatible with 16mm bag gland</p>	

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

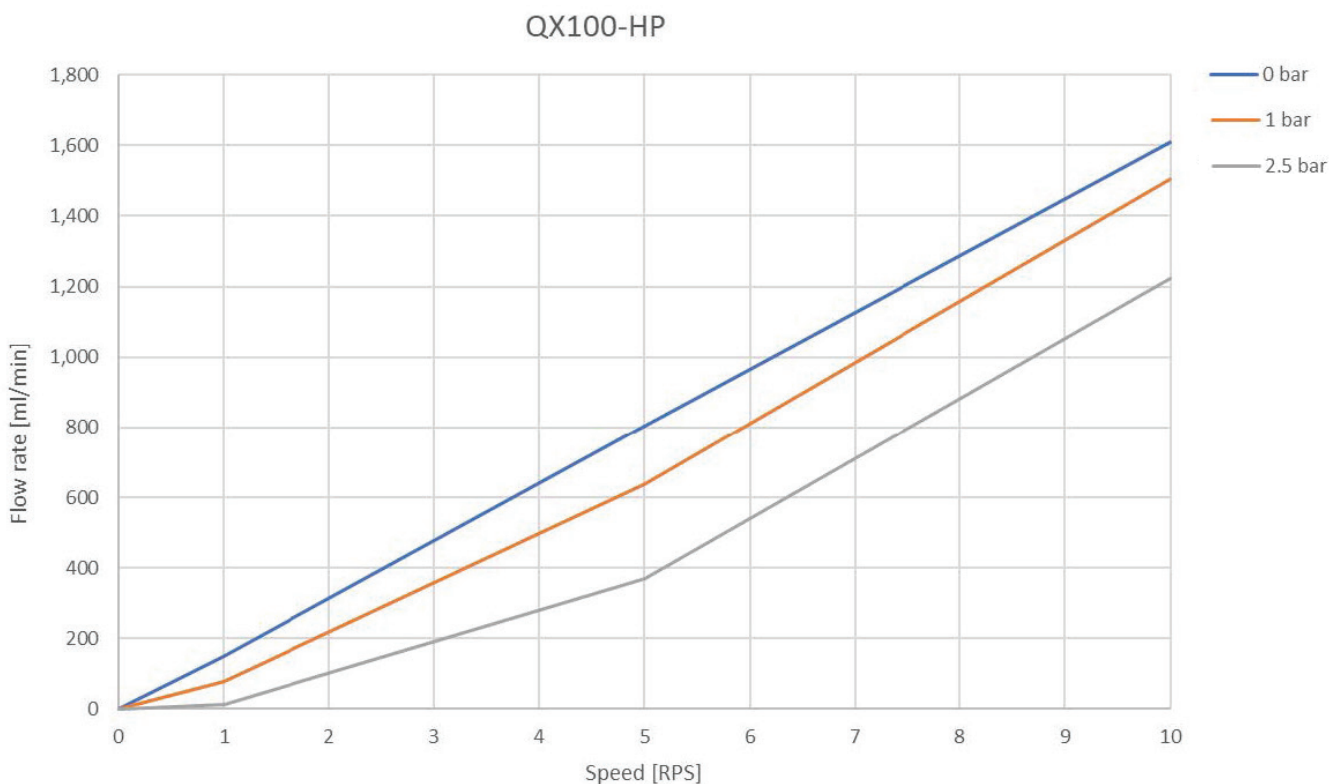
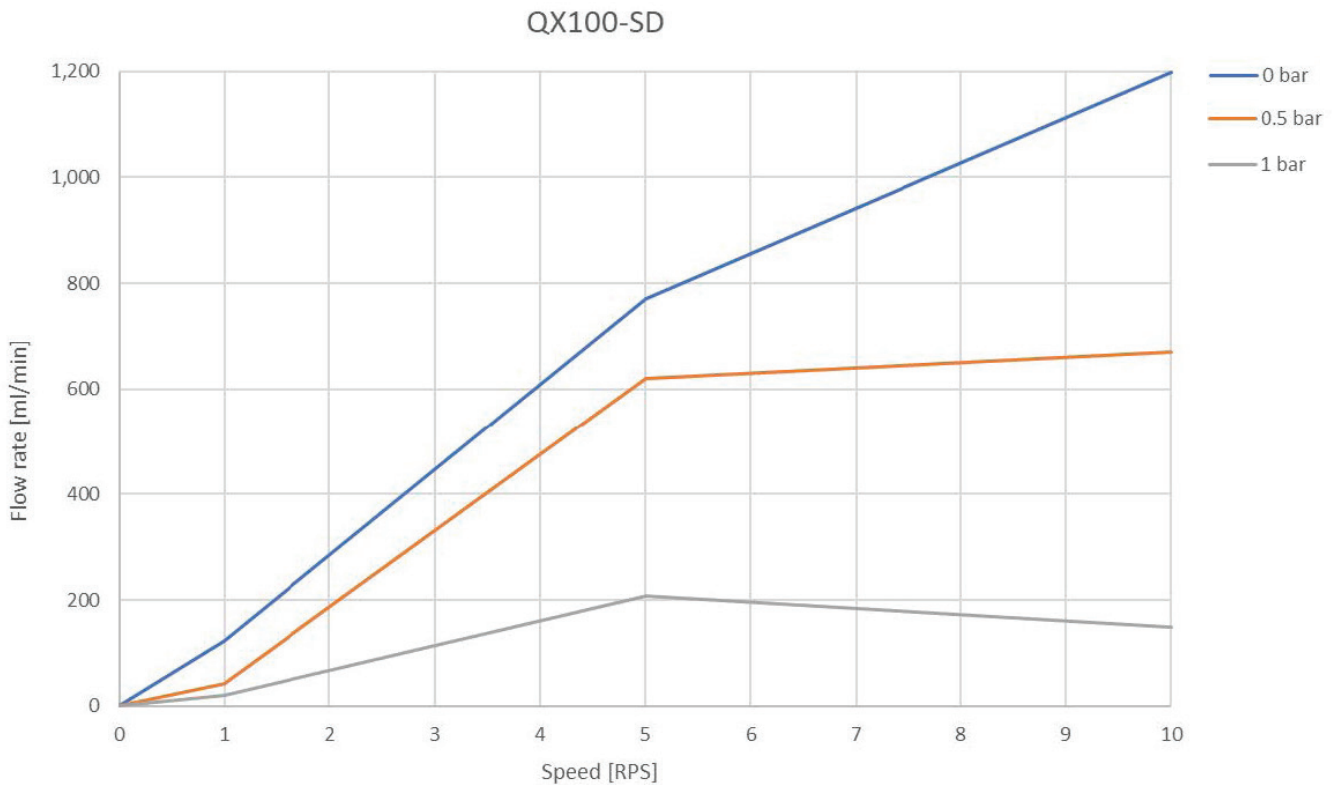


High Flow Pump Range

QX100

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 for higher speeds particularly.





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