

## WORKING CONDITION

- Environment temperature: 5 to 65 C degree
- Liquid temperature: **-20C to 150 C degree**
- Liquid viscosity: **to 10000cps**
- Pump flow and pressure can be adjusted by the supply air, **from 0.1 to 0.8Mpa.**
- No shaft seal, no rotating parts, suitable for **poisonous and corrosive** liquid.
- It can work without electricity, suitable for **inflammable and explosive** liquid.
- Spacious through-pass performance, suitable for the **liquid with slurry and impurity.**
- Can operate while **immersed** into the medium.
- Pump can work with **idle operation.**



## SPECIFICATION

	QBY-10 & QBY-15	QBY-20 & QBY-25	QBY-32 & QBY-40	QBY-50 & QBY-65	QBY-80 & QBY-100	QBY-125
Max. flow	<b>5.8gmp(22lpm)</b>	<b>15gmp(57lpm)</b>	<b>40gmp(151lpm)</b>	<b>100gmp(378.5lpm)</b>	<b>150gmp(568lpm)</b>	<b>275gmp(1041lpm)</b>
Max. working pressure	100psi(7bar)	100psi(7bar)	120psi(8.4bar)	120psi(8.4bar)	120psi(8.4bar)	120psi(8.4bar)
Fluid inlet/outlet size	3/8in. bsp(f) & 1/2in. bsp(f)	3/4in. bsp(f) & 1in. bsp(f)	1-1/4in. bsp(f) & 1-1/2in. bsp(f)	2in. bsp(f) & 2-1/2in. bsp(f)	3in. bsp(f) & 4in. bsp(f)	5in. bsp(f)
Air inlet size	1/4in. bsp(f)	1/4in. bsp(f)	1/2in. bsp(f)	1/2in. bsp(f)	1/2in. bsp(f)	3/4in. bsp(f)
Max suction height	13ft. (4m)	15ft. (4.5m)	18ft. (5.48m)	18ft. (5.48m)	18ft. (5.48m)	25ft. (7.6m)
Max permitted Grain	0.06in. (1.5mm)	2/32in. (2.5mm)	1/8in. (3.2mm)	3/16in. (3.2mm)	1/4in. (6.4mm)	3/8in. (9.4mm)
Max air consumption	6.3scfm	12.7scfm	23.66scfm	32scfm	45scfm	82.6scfm
Every stroke flow	0.006 gal. (23cc)	0.04 gal. (0.15L)	0.15 gal. (0.57L)	0.5 gal. (1.9L)	1.03 gal. (3.9L)	2.0 gal. (7.6L)
Max reciprocating speed	372 cpm	400 cpm	276 cpm	276 cpm	145 cpm	135 cpm

The pump liquid inlet/outlet connection and air inlet connection are all in **BSP standard screw.**