



The Microbrew 100 is a re-engineered C100 pump, ideal for microbreweries and other small-scale applications. The Microbrew 100's functionality and technology allows it to be used for food processing, dairy, beverage, winery, and brewery markets. While maintaining dimensional and hydraulic interchangeability with the C100, it provides added reliability, extended seal life, it is easier to adjust and maintain, and provides greater performance.

DESIGN

Standard Clamp: A 4" Tri-Clamp is used to secure the pump head. This casing clamp is superior to the traditional post/tab design as it allows for easy adjustments and removal.

Impeller & Shaft Design: The Microbrew 100's sealed impeller enhances hygienic performance and its split compression collar improves concentricity. These two features allow for less vibration and a longer seal life.

Seal Design: The seal is an external mechanical DG seal, a robust single mechanical seal design featuring both a silicon carbide stationary seal-face and a carbon rotary seal-face. This silicon carbide stationary seat is harder and smoother than stainless steel resulting in a longer lasting seal than the traditional D seal. This seat is also easily replaced allowing for quick repairs.

Seal Performance: The Microbrew 100 features a seal path design that improves seal cooling while easing the distribution of cleaning agents to the seal assembly. This improves seal cleaning during CIP.



FEATURES

- 3A Certified
- Clamped Casing
- Sealed Impeller Design
- DG Seal
- Split-shaft compression collar
- 1 1/2" X 1" Tri-Clamp connections
- 316L stainless steel construction

HORSEPOWER

Horsepower	Max. Flow rate	Shut Off Head
0.5 HP	34 GPM	17 ft
0.75 HP	58 GPM	40 ft
1 HP	68 GPM	51 ft
1.5 HP	75 GPM	58 ft



TECHNICAL SPECIFICATIONS

Materials	
Parts in contact with product:	316L Stainless Steel
Other steel parts:	304 Stainless Steel
Gaskets in contact with product:	FKM or EPDM
Weight Without Motor:	9 lbs
Mechanical Seal	
Rotary Seal:	Carbon
Stationary Seal:	Sintered Silicon Carbide
External Surface Finish:	Ra ≤ 63
Internal Surface Finish:	Ra ≤ 32
Connection Type:	Clamp
Connection Size:	1 1/2" x 1"
Max. Impeller Diameter:	3.68"
Motor	
Type:	S.S Premium Efficiency
Motor Frame Size:	NEMA 56C C-Face
Speeds:	1750 & 3450 RPM
Operating Limits	
Nomial Pressure:	30 - 40 ft
Temperature Range:	32°F (0°C) - 212°F (100°C)
Maximum Flow:	75 GPM
Maximum Differential Head:	60 ft
Maximum Speed:	3500RPM - 60Hz
Viscosity:	0-500cPs
Optimum Operating System	
Flow:	50 GPM
Head:	44 ft
Approvals	
Certification	3A- Authorization #1537, 02-11 (centrifugal pumps) for CIP



Capacity Curves

MODEL: MB100

Frequency: 60hz

RPM: 1750 & 3500

Size: 1.5" x 1.0" x 3.68"

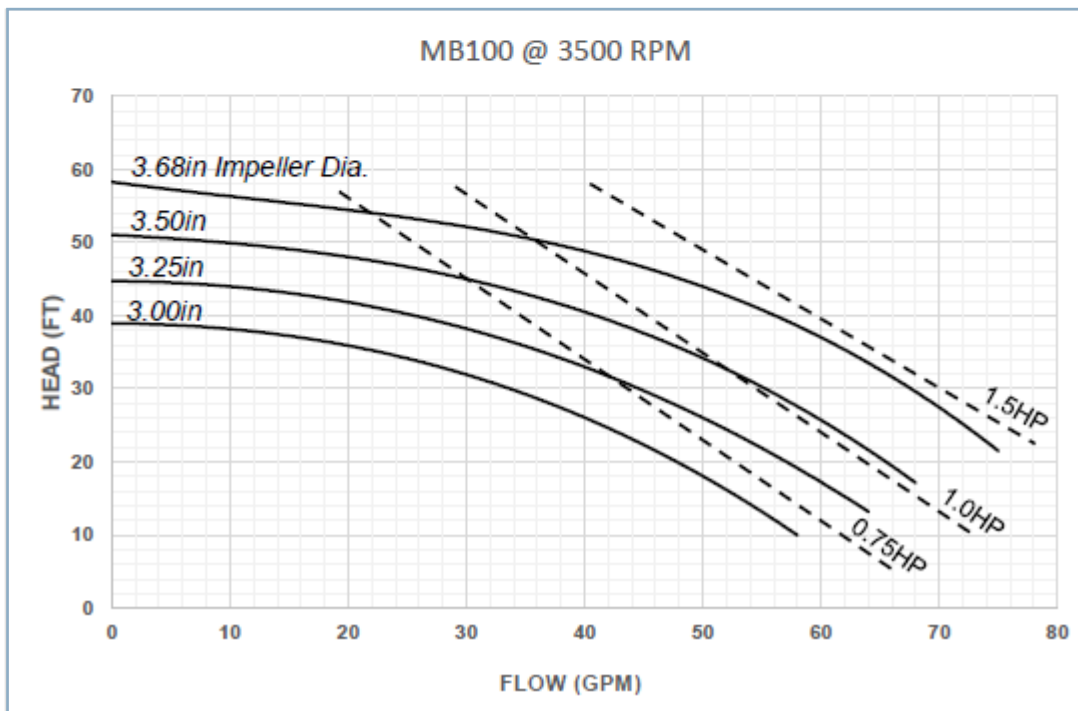
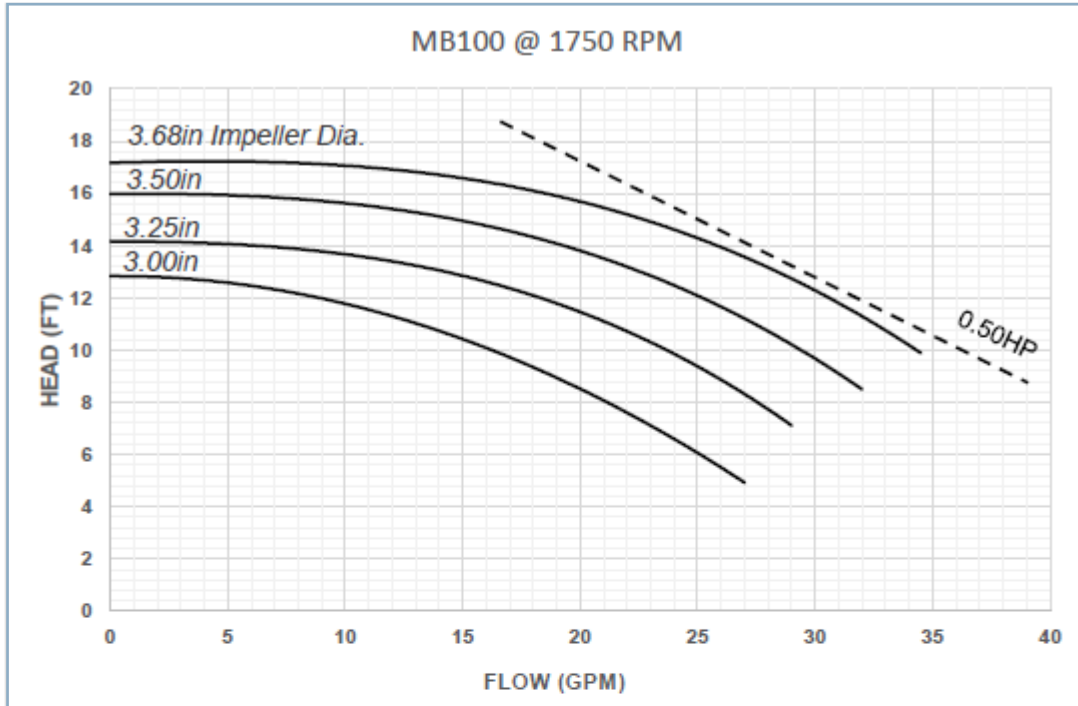


Figure 1: Dimensions

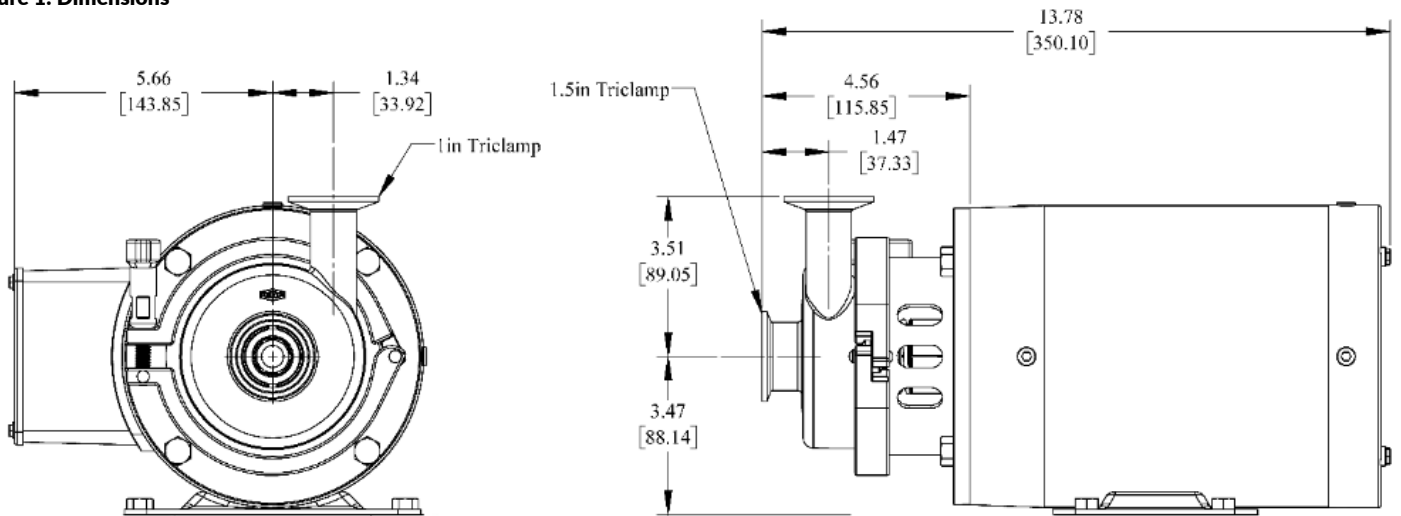


Figure 2: Blown out view

