

CLOSE-COUPLED MOTOR DRIVEN PUMPS



BERKELEY CLOSE-COUPLED END-SUCTION PUMPS are ideal for most applications requiring high performance, easy maintenance and moderate initial cost. Cast iron construction with unique back pull-out design permits access to the impeller without disturbing the piping.

FEATURES / BENEFITS

- **Four-position Discharge** – Rotatable discharge can be positioned for fast, easy piping. Small models equipped with tapped suction and discharge; large models have standard ANSI 125# flat-face flange.
- **Premium-grade Motors** – NEMA grade motors for greater efficiency, reliability and longevity. Quiet, smooth operation.
- **Motor Bracket** – Precision-machined, closed-grain cast iron provides added strength to minimize deflection and ensure a tight component seal.
- **Maintenance-free Shaft Seal** – Self-lubricating, corrosion-resistant mechanical shaft seal provides maximum abrasion resistance without leaking. Optional seals available for special applications.
- **Replaceable Slip-on Shaft Sleeve** – Rugged stainless steel shaft sleeve provides maximum corrosion and wear resistance.
- **Replaceable Bronze Wear Ring** – Available on some models.
- **Superior Impeller** – Precision-machined to optimize performance and operating efficiencies. Mechanically balanced to reduce bearing load for longer service life. Keyed and locked to motor shaft.
- **Heavy-duty Volute Case** – Thick-wall, close-grained cast iron stands tough in high-demand environment. Hydraulic efficiency is improved with CAD-based geometric design. Back pull-out design permits easy removal and repair without disturbing piping.
- **Multiple Taps** – Taps included for easy priming and draining.
- **Durable Finish** – High-quality lead-free/chromate-free primer and paint coatings.



MATERIALS OF CONSTRUCTION

Part Name	Material	Spec Number
Volute Case	Cast Iron	ASTM A48 Class 30
Wear Ring	Bronze	ASTM B584 (UNS C87500)
Impeller	Cast Iron	ASTM A48 Class 30
	Bronze (optional)	ASTM B854 (UNS C87500)
Seal Retainer	Cast Iron	ASTM A48 Class 30
Adaptor Bracket	Cast Iron	ASTM A48 Class 30
Shaft Sleeve	416 S.S.	AISI 416SS
Lantern Ring	Teflon®	
Mechanical Shaft Seal	18-8 S.S. metal parts; "Buna-N" rubber bellows, ceramic stationary, carbon rotating face	
Packing Gland	Stainless Steel	AISI 304
	Cast Iron	ASTM A48 Class 30
Packing	PTFE packing with graphite impregnation	
Close Coupled Motor Shaft	Carbon Steel	AISI C1045

