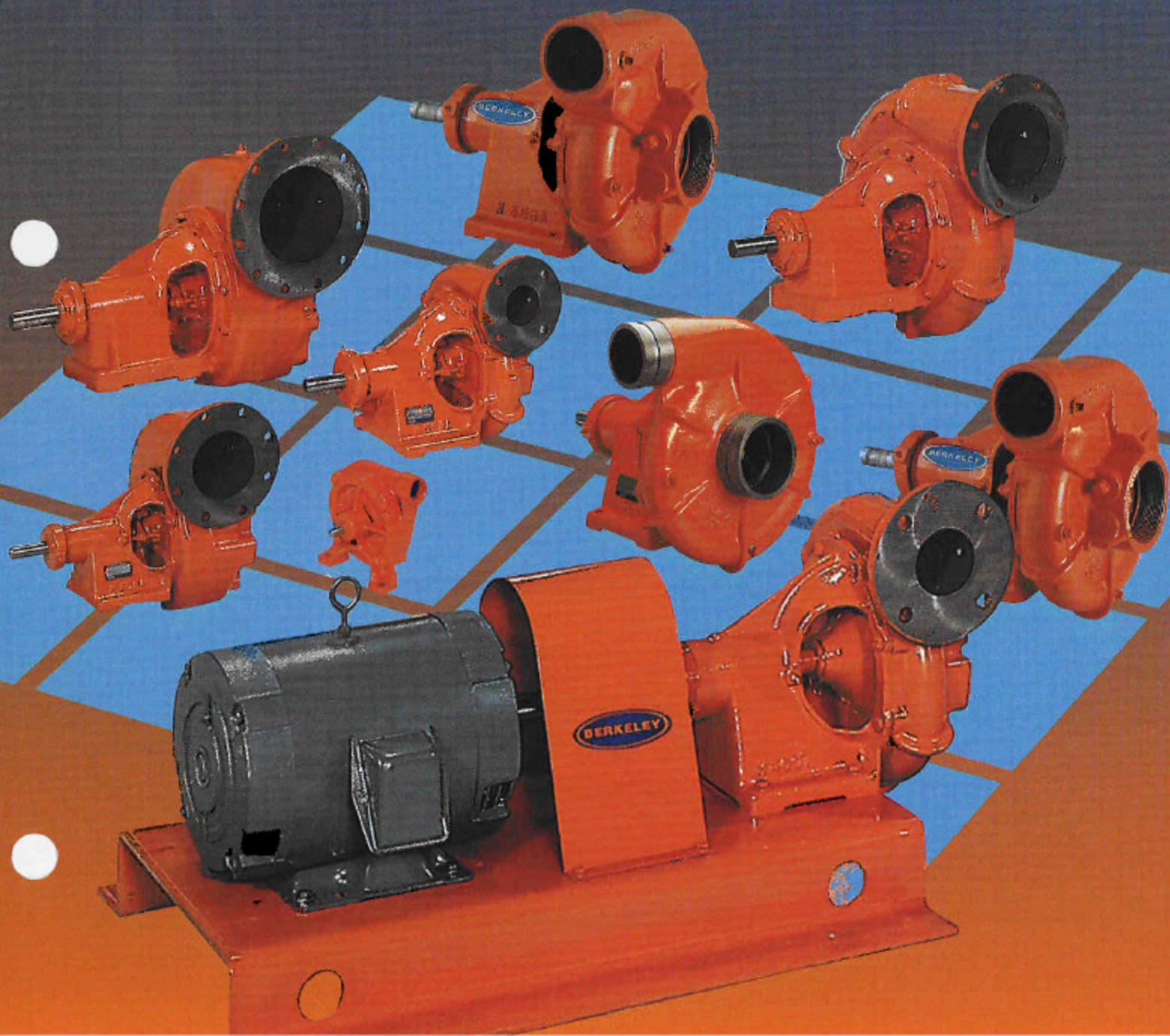




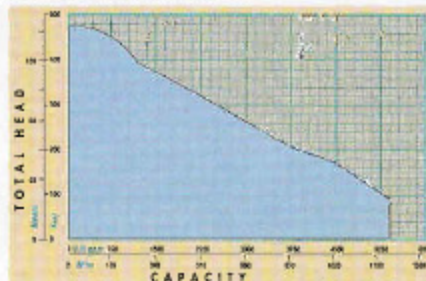
# FRAME-MOUNT CENTRIFUGAL PUMPS



# FRAME-MOUNT TYPE B CENTRIFUGAL PUMPS

**B**erkeley Type B frame-mount pumps are designed for the user who has a separate power source suitable for driving through couplings or with belts. Ideal for all general purpose applications requiring high performance, moderate initial cost and easy maintenance.

**FRAME-MOUNT END SUCTION PERFORMANCE RANGE**



**VOLUTE CASE** incorporates precise geometric design for increased hydraulic efficiency. Made from thick-walled close-grained cast iron to handle the stresses of everyday use. Back pull-out design allows easy removal and repair without disturbing piping connections, and completely exposes the impeller for flushing or service.

**ENCLOSED IMPELLER** designed and machined to optimize performance and operating efficiencies. Mechanically balanced to reduce bearing loads and increase life. Impeller is keyed and locked to motor shaft. Some models available with bronze impellers.

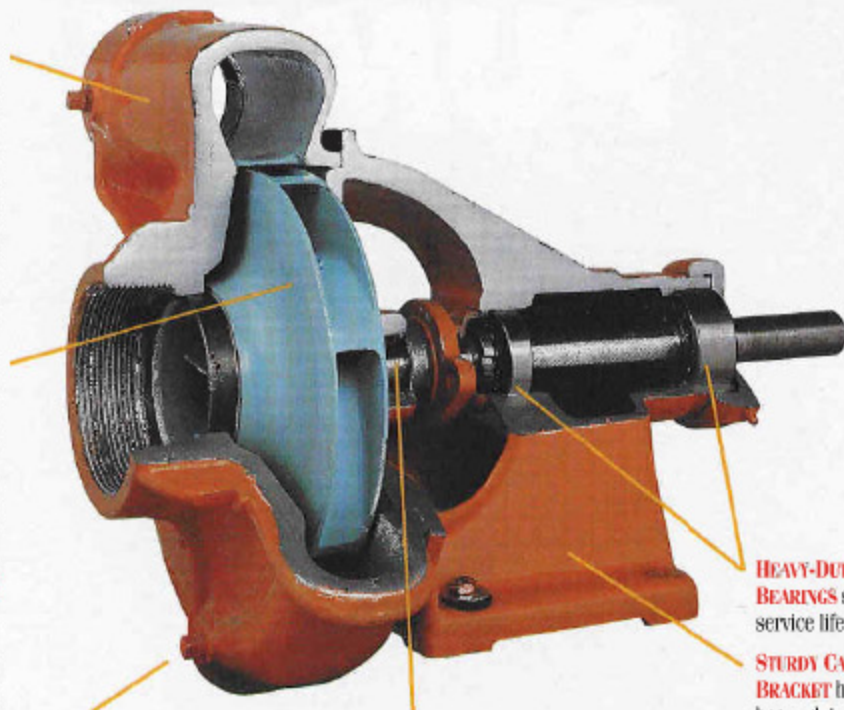
**REPLACEABLE BRONZE WEAR RING** available on some models.

**DISCHARGE** may be rotated to any of four positions for piping convenience. Smaller models are equipped with tapped suction and discharge. Larger models have standard ANSI 125# flat-face flange.

**SPECIAL ALLOY STEEL SHAFT** is accurately machined to close tolerance for proper fit and extended service life. Shaft extension of pump is keyed to receive coupling and/or pulley or belts.

**REPLACEABLE STAINLESS STEEL SHAFT SLEEVE** provides maximum corrosion resistance and protects shaft from wear. Shaft extension of pump is keyed to receive coupling and/or pulley or belts.

**HIGH-QUALITY, SELF-LUBRICATING MECHANICAL SHAFT SEAL** with corrosion-resistant metal parts provides maintenance-free operation and maximum abrasion resistance without leaking. Optional seals available for special applications. (Not shown)



**MULTIPLE TAPS** supplied for easy priming and draining.

**HIGH-QUALITY, LEAD-FREE/CHROMATE-FREE PRIMER & PAINT** provide durable finish.

**GRAPHITE-IMPREGNATED PTFE PACKING** cases break-in, and accommodates a wide pH and temperature operating range.

**HEAVY-DUTY ANTI-FRICTION BEARINGS** sized for extended service life.

**STURDY CAST IRON BEARING BRACKET** houses pump shaft in heavy-duty anti-friction bearings. Pumps may be motor or engine driven through couplings or belts. Belt-drive has a pulley designed to maximize performance and extend service life.

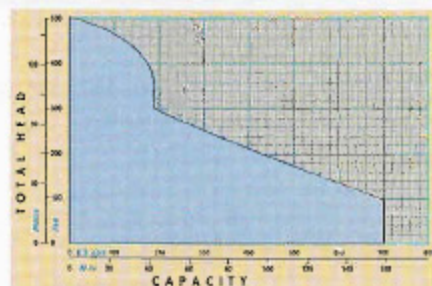
## FRAME-MOUNT TYPE B: MATERIALS OF CONSTRUCTION

Part Name	Iron Construction		Bronze Fitted Construction	
	Common Material	Specification	Common Material	Specification
Volute Case	Cast Iron	ASTM A48 Class 30	Cast Iron	ASTM A48 Class 30
Wear Ring	Bronze	ASTM B584 (UNS C87500)	Bronze	ASTM B584 (UNS C87500)
Impeller	Cast Iron	ASTM A48 Class 30	Bronze	ASTM B584 (UNS C87500)
Seal Retainer	Cast Iron	ASTM A48 Class 30	Cast Iron	ASTM A48 Class 30
Adaptor Bracket	Cast Iron	ASTM A48 Class 30	Cast Iron	ASTM A48 Class 30
Shaft Sleeve	416 S.S.	AISI 416SS	416 S.S.	AISI 416SS
Lantern Ring	Teflon®		Teflon®	
Mechanical Shaft Seal	18-8 S.S. metal parts. "Buna-N" rubber bellows, ceramic stationary, carbon rotating face.		18-8 S.S. metal parts. "Buna-N" rubber bellows, ceramic stationary, carbon rotating face.	
Packing Gland	Bronze or Cast Iron	ASTM B584 (UNS C87500) or ASTM A48 Class 30	Bronze or Cast Iron	ASTM B584 (UNS C87500) or ASTM A48 Class 30
Packing	PTFE packing with Graphite Impregnation		PTFE packing with Graphite Impregnation	
Bearing Frame	Cast Iron	ASTM A48 Class 30	Cast Iron	ASTM A48 Class 30
Bearing Frame Pump Shaft	Carbon Steel	ASTM A311 Class B	Carbon Steel	ASTM A311 Class B

# SELF-PRIMING CENTRIFUGAL PUMPS

**F**ast priming pump with rugged, all iron construction for superior resistance to erosion and corrosion from most liquids. Built for continuous dependable performance and ease of repair. High lift design allows suction lifts up to 25 feet at sea level. Ideal for transfer applications, standby fire protection, dewatering, and irrigation.

## FRAME-MOUNT SELF PRIMING PERFORMANCE RANGE



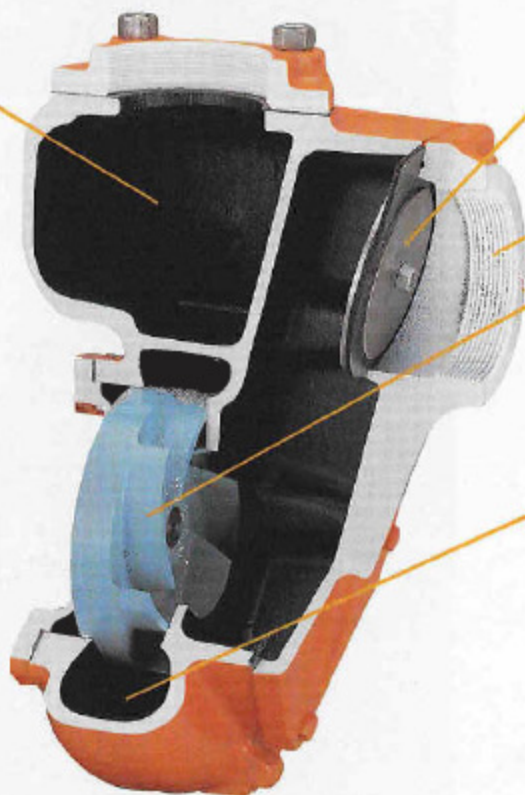
**EXTRA-LARGE PRIMING CHAMBER**  
for faster, trouble-free priming and re-priming. Provides additional shaft seal protection.

**PRIMING PORT**  
enables priming without removing the discharge hose.

**STURDY CAST IRON BEARING BRACKET** houses pump shaft in heavy-duty anti-friction bearings. Pumps may be motor or engine driven through couplings or belts. Belt-drive has a pulley designed to maximize performance and extend service life.

**HIGH-QUALITY LEAD-FREE/ CHROMATE-FREE PRIMER AND PAINT**  
provide durable finish.

**DRAIN PLUG**  
enables casing to be completely drained for flushing and freeze protection.



**BUILT-IN CHECK VALVE**  
prevents siphoning and need for re-priming. External check valve not required. Designed for easy replacement.

**INTAKE**  
placed high for faster priming

**SEMI-OPEN IMPELLER**  
design for larger solids handling capability. Mechanically balanced to reduce bearing loads and increase life. Threaded to the shaft and locked in place with a special locking cap screw for trouble-free operation.

**VOLUTE**  
incorporates precise geometric design for increased hydraulic efficiency. Made from thick-walled ASTM A48 class 30 cast iron to handle the stresses of everyday use. Back pull-out design allows easy repair without disturbing piping, completely exposing impeller for flushing or service.

## BASE-MOUNTED PUMPS

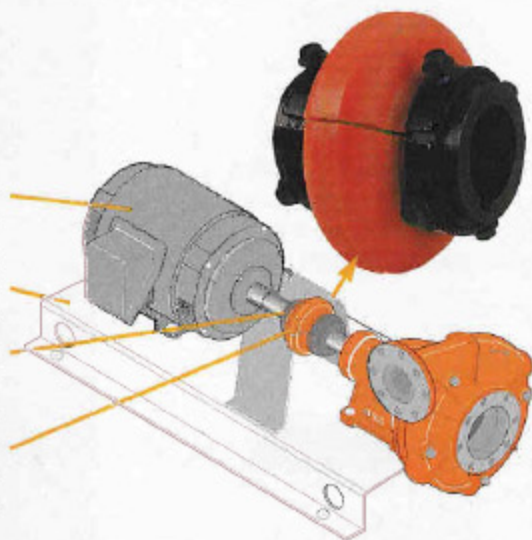
Berkeley offers factory built frame-mounted pumps, coupled to a NEMA standard motor with a high quality premium coupling. Mounted to a rigid steel base plate, the complete unit is precision aligned at the factory.

**NEMA STANDARD MOTORS**, selected by our team of engineers to meet our high standards for durability, reliability and longevity. High efficiency, low maintenance and smooth, quiet performance are but a few of the many criteria we use to select motors.

**RIGID STEEL BASE PLATE** designed to maintain precise pump/motor alignment. Pre-drilled mounting holes for easy installation. Four lifting holes for stable transport.

**PREMIUM STANDARD COUPLING** on all base-mounted units. Element consists of two halves split longitudinally. Allows for "in-place" removal or installation. No need to move connected equipment.

**SUPER-FLEXIBLE POLYURETHANE ELEMENT** "cushions shock loads" and accommodates up to 4° angular or 3/16 inch parallel misalignment. Couplings reduce vibration, lessen "wear & tear" on connected equipment, and lengthen system life.



# THE BERKELEY STORY



**F**or more than half a century now, distinctive-orange Berkeley pumps have earned a worldwide reputation for rugged construction and dependable performance in the most demanding installations. Berkeley pumps can be found in building services, firefighting, dewatering, irrigation, process liquid transfer, municipal water supply and many other applications.

### ***Today's Berkeley— better than ever***

Today, Berkeley Pumps is driven by our customers. We focus on what is most important—superior product performance, efficient customer service, and professional technical support and training.

Our engineering, manufacturing and quality assurance teams work together to meet the ever-changing demands of industry today. Highly efficient inventory systems make it possible to deliver pumps or parts when **you** need them. Berkeley customer service representatives are easily accessible through our toll-free number, and provide the support you need to select the right pump for the job.

**Berkeley...  
let our team work for you.**

### **BERKELEY PUMPS**

293 Wright Street  
Delavan, WI USA 53115 1-888-BERKELEY  
Mississauga, Ont., Canada 1-800-363-PUMP

Member



The Irrigation Association

Member

