



**1. Priming Chamber**

Heavy-duty cast construction with large capacity volute allows continual re-priming.

**2. Seal Chamber**

Oversized tapered bore chamber with flow bars to eject sand and abrasives otherwise trapped in the chamber. An industry first, external fresh water flush is optionally available for the most difficult pumping applications.

**3. External Impeller Adjustment**

Heavy-duty cast iron power frame with replaceable and adjustable thrust bearing housing utilizing jackscrews, maintains impeller adjustment.

**4. Shaft**

High-strength 17-4ph stainless steel with self-locking taper, along with Woodruff key and locknut assures perfect impeller attachment.

**5. Mechanical Seal**

Single, self-aligning solid silicon carbide vs silicon carbide faced seal for abrasive industrial wastewater service.

**6. Impeller**

Semi-open, solid-handling design with rear wiping vanes and balancing hub that reduce seal chamber pressure and axial loading.

**7. Wear Plate**

Replaceable heavy-duty wear plate protects priming chamber from wear of erosion.

**8. Inspection-Cleanout Cover**

6" diameter cover weighing only 5½ lbs. provides quick, direct access into priming chamber and impeller.

**9. Check Valve**

Replaceable, molded in one piece with integral rupture disc valve allows re-priming and protects the priming chamber from high pressure or vaporization.

**10. Check Valve Cover Plate**

Check valve inspection and service is possible by removing this plate. Draining of pump or removal of piping is not necessary.

Revised 10-15-02