

Flint and Walling CPJ Pump Features

High tensile gray iron pump bodies with large water cavities for fast, easy priming. Separate priming ports enable quick water fill and the fast evacuation of air. Separate 1/4" tapings are provided for the convenient mounting of pressure/vacuum gauges and the pressure switch, and for pump draining.

Pressure regulator for deep well applications is standard on CPJ models. CPJ05 (1/2 HP) utilizes a stainless steel flow control screw, 3/4 - 1-1/2" CPJ models are fitted with a diaphragm regulator that can be adjusted to provide maximum capacities and pressures at all times.

Buna-n quadraseal is reusable and provides a positive seal between the pump case and motor bracket.

Molded diffusers are corrosion and abrasion resistant, and provide precision alignment with the impeller for maximum performance. The snap-in diffuser design uses no bolts and is held in place by compression.

Molded thermoplastic impellers on 1/3 thru 1 HP CPJ models. Precision balanced, these impellers are ultra-smooth for high efficiency. 1-1/2 HP CPJ models feature brass impellers.

All pipe plugs and priming plugs are coated with a non-hardening, non-toxic, non-corrosive material which allows for easy removal even after the pump has been in service for years.

Standard shaft seal with ceramic and silicon carbide face is self-adjusting throughout the seal life. One size fits all models.

Automatic overload senses both start and run winding heat to ensure complete winding protection.

CPJ models feature NEMA J motors. All motors are dual voltage, capacitor start with automatic thermal overload protection.

Flint and Walling CPJ Motor Features

"Service Plus" means top reliability plus quick access to all electrical components.

Routine maintenance is simplified through the convenient mounting of electrical components. Removal of the rear access cover exposes components for fast replacement. Spade connectors enable quick hookup and voltage change.

Rear access cover directs ventilating air over the windings and bearings, and away from the switch mechanism. All electrical components are protected from dirt, dust and insects.

Quality-wound double insulated stator uses nylon overcoated wire with an additional varnish dip to insure against moisture penetration. Class B wire insulation rated for 266°F.

Permanently lubricated ball bearings are located on each end of the motor insuring alignment of the dynamically balanced rotor for smooth operation and extended motor life.

Fully enclosed transfer switch mounted on a UL recognized thermo-set plastic board utilizes spark quenching and extra large silver cadmium oxide contact points.

Patented governor features an advanced simplified design, using a stainless steel compression spring to insure proper motor RPM before switching from start to run windings.

Zinc clad steel shell and cooling fan resist corrosion and dissipate motor heat.

Automatic overload senses both start and run winding heat to ensure complete winding protection.

"Service Plus" motors are manufactured by Flint & Walling, Inc. in Kendallville, IN, USA—An industry exclusive among jet pump manufacturers.