



KERR PUMP AND SUPPLY
 12880 Cloverdale P.O.Box
 37160

Tel. 248.543.3880
 Toll Free 1.800.482.8259
 Fax. 248.543.3236
 E-mail. sales@kerrpump.com
 Web www.kerrpump.com

5600 Vertical Process Pumps



“The Original Top-Pull-Out”

Kerr Pump and Supply, established in 1905 and located in suburban Detroit, is the most respected name in vertical process pumps. When the automotive industry asked for a seal-less pump that could operate continuously and be changed out with only minimal downtime, Kerr’s engineers met the challenge. The outcome was the patented 5600 Series top-pull-out vertical process pump.

This unique patented design allowed the user to remove the entire rotating element of the pump without disturbing any electrical connections or piping (see illustration on back of this brochure). The concept was greeted enthusiastically by the automotive and metal finishing communities. In 1967, the first top-pull-out pumps were installed at an automotive assembly plant on the southeast coast. The application was continuous duty oper-

ation on a bonderite and paint dip system. When this plant was deemed obsolete and closed a few years ago, the original 5600 Series top-pull-out pumps were still in service!

Kerr’s innovative, heavy duty, time-proven design combines mechanical craftsmanship with advanced hydraulic engineering. Available in iron or alloy construction, Kerr 5600 Series pumps are able to handle the varied requirements of the metal finishing, parts washing and chemical process industry. Outstanding quality features included in every Kerr pump contribute to longer pump life. Kerr pumps are a sound investment in the best available technology- at no additional cost.

ADVANTAGES

- Rotating element easily removed without disturbing electrical connections or piping
- Easy to maintain
- Minimum downtime
- Always primed
- Externally adjustable impeller
- No stuffing box leakage
- Lower installation costs
- Less space required
- Tank pumpdown option

APPLICATIONS

- Parts washers
- Spray booths
- Paint systems
- Coolant Systems
- Plating
- Phosphatizing

CAPABILITIES

- Capacities to 3600 GPM
- Heads to 250 feet
- Temperatures to 180°F
- Cast iron and alloy construction
- Flexibility on pump extensions and deliveries

FEATURES

① MOTOR SUPPORT

Machined registers guarantees positive alignment of coupling and motor shaft. Accepts standard NEMA "C" flange motor.

② EXTERNAL IMPELLER ADJUSTMENT

Impeller can be adjusted to change running clearance, making it easy to restore near original pump performance without dismantling the pump.

③ POWERFRAME

Heavy duty, cast iron construction. Precision bored and machined to assure alignment of shaft and bearing assembly.

④ BEARINGS

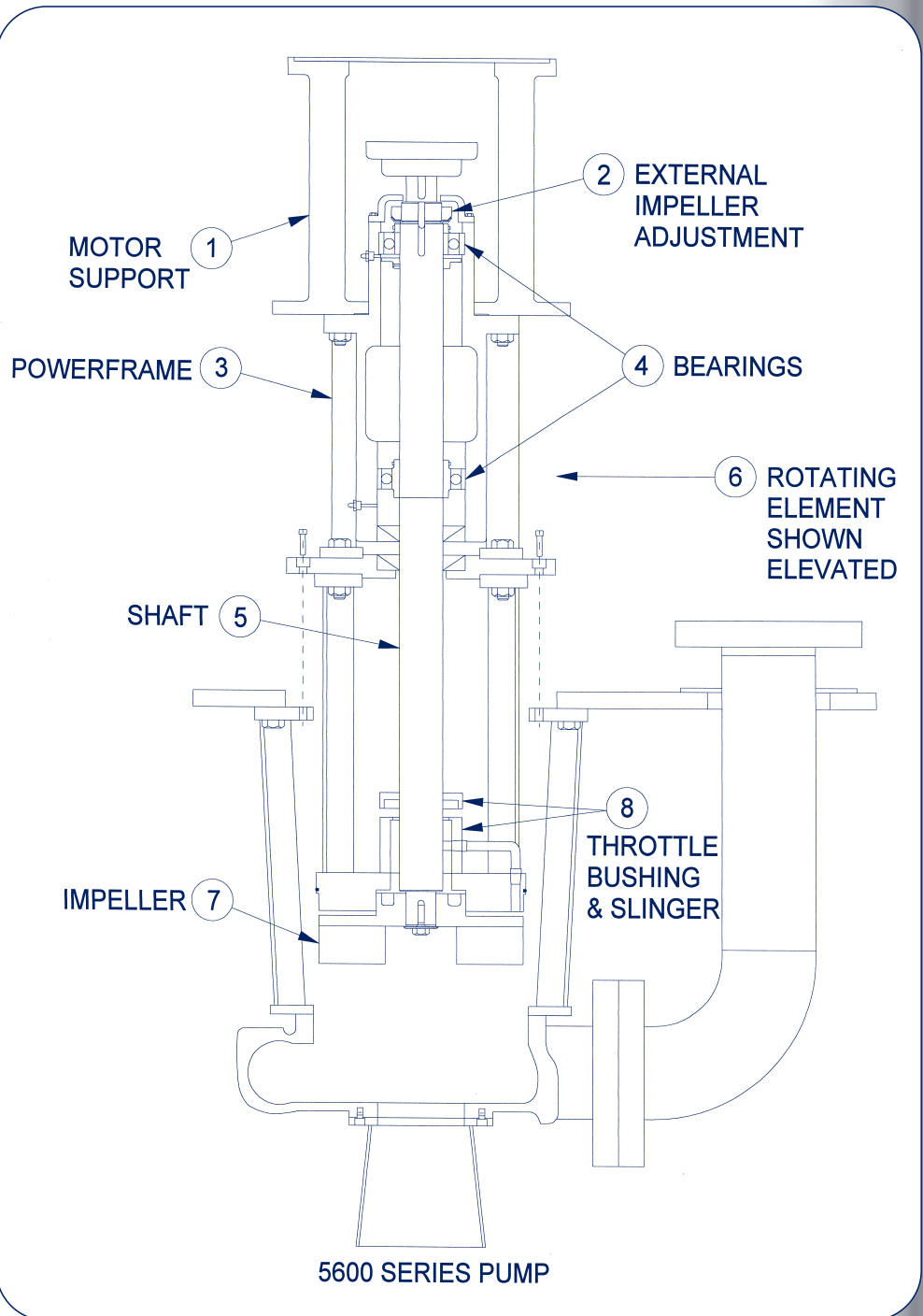
Precision ground, heavy duty grease lubricated bearings are mounted above the coverplate for ease of maintenance and sized to exceed maximum pump loads. Bearings are sealed from dirt and moisture.

⑤ SHAFT

Heavy duty shaft of high strength materials is turned, ground and polished and sized with the optimum diameter and bearing span to eliminate deflection problems.

⑥ ROTATING ELEMENT

Can be entirely removed from pump without disturbing electrical connections or piping. Makes maintenance easy and eliminates downtime.



⑦ IMPELLER

Semi-open with extra heavy vanes for outstanding performance and resistance to wear. Design allows some small solids handling capability. Wiper vanes on backside of shroud prevent material accumulation and pump binding.

⑧ THROTTLE BUSHING & SLINGER

Restricts liquid from entering the column area and prevents liquid from traveling up the shaft.