Dry Pit Solids Handling Pumps

A Time-Tested Leader
Chicago Pump Dry Pit Solids Handling Pumps have an established reputation of efficiency, long life and reliable operation

First in: Quality ✅ Reliability ✅ Innovation ✅
Series 2111
Dry Pit Solids-Handling Pumps

- Capacities to 10,000 GPM (2,271 m3/h)
- Heads to 240 ft. (73m)
- Temperatures to 150° F (66° C)
- Pressures to 150 PSI (1,034 kPa)
- Discharge sizes from 4” (102mm) to 12” (305mm)
- Solids (sphere size) from 3” (64mm) to 5” (127mm)
Standard Features
Engineered for long service life and low maintenance

- **Micrometer axial shaft adjustment** for easy adjustment to maintain clearance and reduce wear due to circulation between the impeller eye and suction plate.

- **Rugged dust-proof bearing frame** machined to assure positive, accurate shaft alignment; provided with lubrication fittings.

- **Large diameter, high strength alloy steel shaft** to provide maximum stiffness; prevents vibration and fatigue due to unusual operating conditions.

- **Complete rotating assembly can easily be removed** without disturbing the pump suction or discharge piping.

- **Stainless steel shaft sleeve** to protect the machined and polished alloy steel shaft; stainless steel shaft material optional.

- **Contoured handhole inspection cover in casing**.

- **Rugged thick-walled reversible casings** provide for clockwise or counter-clockwise rotation using CW or CCW impeller; discharge nozzle may be positioned on 45° increments.

- **Suction and backplate are separate components**.

- **Enclosed multi-vane solids-handling impeller; high efficiency designs reduce operating costs**.

- **Stainless steel wear rings** optional for both the impeller and suction cover.

- **Back pump-out vanes** minimize end-thrust, reduce pressure on the stuffing box and prevent clogging.

- **Stuffing box provided with packing or optional mechanical seal**.

- **Double-row ball thrust bearing**.

- **Ball or roller radial bearing**.

Features may vary depending upon series, model and bearing frame.
Chicago Pump provides the latest in free, user-friendly pump selection and sizing software for all of our pump types and configurations; with easy online web access and supporting documents, including specifications, installation drawings, product information and sales brochures. The program facilitates easy submission of quotation and engineering support requests to our staff of experienced application engineers.