

Model 3180 / 3185 Paper Stock / Process

All customer requirements were considered in this line of paper stock / process pumps: excellent hydraulic coverage, high efficiency, extreme ease of maintenance, and mechanical reliability. The Model 3185 pump furnished with ISO or JIS flange drilling, metric fasteners, dimensions. Open, enclosed or Shearpeller™ impellers available. Features *i-ALERT* condition monitoring as standard. Model 3180 standard with ANSI flanges.

3180

- Capacities to 45,000 GPM (10,220 m³/h)
- Heads to 410 feet (125 m)
- Temperatures to 446° F (230° C)
- Pressures to 232 PSIG (16 bar)



3185 with Metric standards

- Capacities to 26,000 GPM (6,000 m³/h)
- Heads to 125 m (410 feet)
- Temperatures to 230°C (446°F)
- Pressures to 16 bar (232 PSIG)

Materials: All Iron / 316SS Trim, 316SS, 317SS, CD4MCu



Model 3175 Paper Stock / Process

For the toughest services. Thousands of installations handle stock, solids, fibrous / stringy materials, abrasive slurries, and corrosives. Dynamic seal option eliminates mechanical seal problems. Features *i-ALERT* condition monitoring as standard.

- Capacities to 28,000 GPM (6,360 m³/h)
- Heads to 350 feet (107 m)
- Temperatures to 450°F (232° C)
- Pressures to 285 PSIG (20 bar)

Materials: All Iron / 316SS Trim, 316SS, 317SS, CD4MCuN

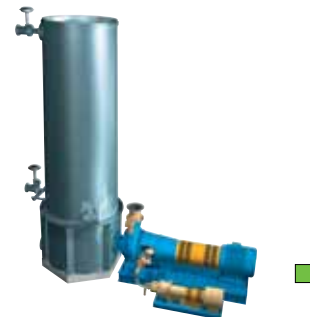


Model 3500XD Medium Consistency Systems

Thick stock pulp is pumped with the model 3500XD enhanced performance medium consistency pumping system. System includes engineered standpipe, control valve, dilution system and level transmitter. A patented air separation device removes air from the pulp to improve mixing effectiveness. Bleaching chemicals and oxygen are mixed in-line with the Model 3501 mixer with Double Shear™ rotor, optimized injection port, and unique low pressure drop casing design.

- Consistencies from 8% to 16%
- Capacities to 4,000 GPM (900 m³/h)
- Pressures to 325 PSIG (22 bar)

Materials: From 316SS to Titanium



Model 3181 / 3186 High Temperature Paper Stock / Process

End suction, top center line discharge, self-venting. Center line mounted for high temperature services. High efficiency enclosed impeller. TaperBore™ seal chamber standard with mechanical seal arrangement. Features *i-ALERT* condition monitoring as standard.


3181 with ANSI flanges

- Capacities to 13,000 GPM (3000 m³ /h)
- Heads to 410 feet (125 m)
- Temperatures to 508°F (300°C)
- Pressures to 360 PSIG (25 bar)

3186 with ISO or JIS flanges

- Capacities to 3,000 m³ /h (13,000 GPM)
- Heads to 125m (410 feet)
- Temperatures to 300°C (508°F)
- Pressures to 25 bar (360 PSIG)


Materials: Duplex SS

**Model 3171
Vertical Sump and Process**
The "Veteran" vertical sump and process pump. Thousands of installations – industrial process, sump drainage, corrosive liquids, pollution control, molten sulfur. Rugged, heavy construction. Simple mounting.

- Capacities to 3,180 GPM (722 m³/h)
- Heads to 344 feet (95 m)
- Temperatures to 450° F (232° C)
- Pit Depths to 20 feet (6 m)

Materials: Cast Iron, Bronze-fitted, Carbon Steel, 316SS, Alloy 20, Hastelloy B and C, Duplex SS

**Model CV 3171
Vertical Sump and Process**
The CV 3171 is a recessed impeller, circular volute type sump pump. Ideal for large solids and shear sensitive fluids. Circular volute minimizes radial loads making this the ideal pump for low flow process applications.

- Capacities to 1,300 GPM (295 m³/h)
- Heads to 230 feet (126 m)
- Temperatures to 450° F (232° C)
- Pit Depths to 20 feet (6 m)

Materials: Cast Iron, Duplex SS, 316SS, Alloy 20, Hastelloy B and C




**Model NM3171
FRP Vertical Sump and Process**
Designed for tough chemical sump pump applications. The fiberglass reinforced Vinyl Ester construction provides excellent corrosion resistance in aggressive acidic and caustic services. The true volute design provides the highest efficiencies in the industry for FRP pumps.

- Capacities to 1,250 GPM (284 m³/hr)
- Heads to 300 feet (92 m)
- Temperatures to 200° F (93° C)
- Pit Depts to 16 Feet (5 m)

Materials: Glass reinforced Vinyl Ester, other resins available upon request.

