SAMCO Pump vertically submerged pumps are specifically designed for handling liquids with abrasive solids in suspension, severe pumping problems of corrosion, abrasion and temperature extremes.

- Coal preparation
- Coal pile runoff sump
- Mineral fibre slurry
- Steel mill scale handling
- Mill effluent
- Clarifier under flow
- Aggregate handling
- Chemical
- Pulp and paper
- Food
- Air pollution control systems
- Mine dewatering
- Taconite slurry
- Processed ore handling
- Plant floor drain sumps
- Sludge handling
- River water supply
- Petro chemical
- Brewing
- Wastewater
- Sealed bearing column – The pressurized column design is standard on all units. Fluted cutless rubber or phenolic bearings are available. A clean source of external liquid is introduced into the top bearing at a pressure 100 kpa. A lip seal type arrangement affords the method of pressurizing the column and prevents the entrance of the pumped liquid into the column assembly. (Not applicable to Cantilever pumps.)

- Superior hydraulic characteristics are designed into SAMCO Pumps resulting in top efficiencies. All pumps have sloping characteristic curves with constantly rising head to shut-off.

- Rugged casing – Standard casings are made of material selected to handle abrasion and/or corrosion and hard or soft solids in suspension.

- Renewable wear plates – Available on all pumps except CSO-V models.

- Impellers – Open, enclosed, Vortex or Shearpeller to suit application. Balance holes and pressure balance vanes reduce hydraulic thrust and stuffing box pressure.

- Impeller adjustment – The axial impeller running clearances are pre-set at the factory. These clearances can be easily maintained throughout the life of the pump by simple adjustment.

- Shaft – High strength carbon steel, or stainless steel. Accurately machined and of sufficient size to transmit full driver output.

- Renewable shaft sleeves of stainless steel are available.
Wet Pit Sump Pump

TYPICAL VERTICAL SPINDLE

TYPICAL CANTILEVER