

# Revolutionary Materials And Design Features Makes The Vancs PN Unique Among Corrosion Resistant Pumps

ONE PIECE MOLDED CABLE ENTRANCE INCORPORATES:

**① CABLE BOOT**

Prevents kinking at cable entrance by extending bending radius.

**② ANTI-WICKING BLOCK**

Prevents water incursion due to capillary wicking, should the power cable be damaged or the end submerged.

**③ LIMITED TIGHTENING PLATE**

Prevents over tightening of boot compression screws.

Provides strain relief.

HIGHLY EFFICIENT AIR FILLED MOTOR INCORPORATES:

**④ PERMANENTLY LUBRICATED, DOUBLE SHIELDED, SINGLE ROW, DEEP GROVE, HIGH TEMPERATURE C3, BALL BEARINGS RATED, B-10 = 60,000 HRS.**

**⑤ COPPER WINDINGS WITH CLASS E INSULATION**

Operates at lower temperatures, Extending insulation and bearing life.

**⑥ PUMP END DESIGNED TO BE HYDRAULICALLY CORRECT, FOR A WIDE VARIETY OF APPLICATIONS:**

Low internal velocities extends life of impeller and volute.

**⑦ BUILT IN BALL CHECK AIR RELIEF VALVE:** prevents air locking.

**⑧ Semi-vortex Impeller:**

Handles long stringy materials and medium diameter solids.

**⑨ APPLICATION APPROPRIATE RESIN AND FIBERGLASS (FRP):**

Resistant to High or low temperatures, impact, chemicals and corrosion.

**⑩ CIRCLE THERMAL MOTOR PROTECTOR:**

Protects against, over amperage, overheating, run-dry.

**⑪ STAINLESS STEEL MOTOR FRAME, SHAFT & FASTENERS:**

Provides protection against corrosion.

**⑫ MOLDED-IN STAINLESS STEEL ANCHORS FOR EACH FASTENER:**

Increases structural integrity.

**⑬ DOUBLE INSIDE MECHANICAL SEAL WITH SILICON CARBIDE FACES:**

Assures the longest operational life of any seal available.

**⑭ OPTIONAL, TOK SLIDE RAIL SYSTEM:**

Allows for quick removal of pump unit for maintenance or Winterizing.

