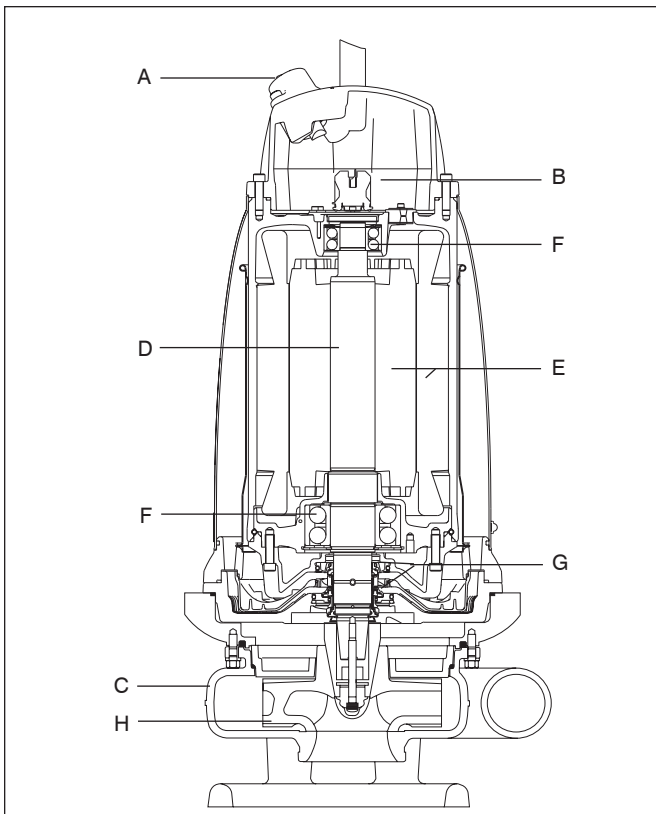


## Abrasion Resistant Slurry Pump



### Applications:

HS-5100 is ideal for pumping abrasive slurries, providing high wear resistance and utmost dependability.



### Specifications

- A **Cable.** Standard 50 ft. of SubCab cable. Other lengths available.
  - B **Junction Chamber.** Cable entry incorporates a strain relief and grommet controlled compression sealing.
  - C **Pump Housing.** High strength, cast iron ASTM A48 Class 35B body. Volute/Stand design using high-chrome cast iron ASTM 532 Alloy IIIA. Static seals are leakproof Nitrile rubber O-rings in precision machined grooves, with controlled compression.
  - D **Shaft.** Stainless steel AISI 431.
  - E **Motor.** Air filled, NEMA design B with class H (180°C) insulation. 4 pole or 6 pole. Shrink-fit to the motor housing. Allows at least 15 starts per hour. Built-in thermal sensors for additional motor overload protection.
  - F **Bearings.** Upper: double row angular contact ball bearing.  
Lower: double row angular contact bearing.
  - G **Shaft Seals.** Special design, including an expeller which protects the seal from direct particle intrusion from the hydraulic end. Independent double face seals running in environmentally friendly, FDA approved (Standard #172.878) lubricant. Upper seal: tungsten carbide/tungsten carbide. Lower seal: tungsten carbide/tungsten carbide. Float type leakage sensor included.
  - H **Impeller.** Three vane, Non-clog, closed type impellers. Material: high-chrome cast iron AISI 532 Alloy IIIA.
- Strainer.** Painted steel ASTM A 36/A 572 Grade 50, A 618 Grade II.
- Agitator.** High-chrome cast iron ASTM 532 Alloy IIIA.
- Fasteners.** Stainless steel AISI 316L.

### Approval:

CSA approved to UL Standard #778  
Explosion-proof FM approved



### Options:

Integral closed loop cooling system, Strainer, Agitator, Stand, Victaulic flange and coupling.

### Controls (not shown).

Manual and automatic controls available upon request.

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