



Grundfos CR Models CRN(G)2, CRN(G)4, CRN(G)8, CRN(G)16

316 Stainless Steel Fitted Multi-Stage Centrifugal Pump and Motor Specification

Pump End:

The pump end shall be of the vertical multi-stage design with the motor mounted directly to the top of the pump. The pump models shall be furnished as shown on the plans and installed in accordance with the recommendations of the manufacturer. The pump shall be capable of delivering _____ gallons per minute (_____ cubic meters per hour) when operating at a total developed head of _____ feet (_____ meters) of water column. The pump shall be capable of operating continuously at temperatures from 5°F to 250°F (-15°C to 121°C) and working pressures of _____ PSI (_____ Bars).

The pump suction/discharge chamber, impellers, pump shaft, diffuser chambers, outer discharge sleeve, and impeller seal ring retainers shall be constructed of 316 stainless steel. The motor stool shall be constructed of cast iron isolated from the pumped fluid by a 316 stainless steel insert. The pump shaft coupling shall be constructed of cast iron. The impellers shall be secured directly to the pump shaft by means of a splined shaft arrangement. Intermediate and lower shaft bearings shall be Tungsten Carbide and Ceramic. Pumps shall be equipped with a high temperature mechanical seal assembly with Tungsten Carbide/Carbon or Tungsten Carbide seal faces mounted in stainless steel seal components.

Motor:

The pump motor shall be sized to ensure the pump is non-overloading when operating on the specified pump curve. The motor shall be of the horsepower, voltage, phase and cycle as shown on the drawings. Motor design shall be:

- Open Drip Proof
- Totally Enclosed Fan Cooled
- Single Phase, Integrated Variable Frequency Drive without PI (Controller), Grundfos MLE, Type B
- Single Phase, Integrated Variable Frequency Drive with PI (Controller), Grundfos MLE, Type C
- Three Phase, Integrated Variable Frequency Drive with PI (Controller), Grundfos MLE
- Explosion Proof
- Wash Down
- Chemical Duty
- Other (specify) _____

With a NEMA C face design operating at a nominal _____ RPM with a minimum service factor of 1.15 (single phase, integrated variable frequency motor, 1.0 service factor). Lower motor bearings shall be adequately sized to ensure long motor life.

Furnish Grundfos CR - models CRN, CRNG, CRNE, CRNEG, or approved equal.

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Leaders in Pump Technology

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