



# Grundfos VersaFlo™ TP Circulator Pump

## Direct Coupled, In-Line, Single Stage and Motor Specification

### Pump:

The pump shall be of the in-line, single stage design with close coupled motor. The pump models shall be furnished as shown on the plans and installed in accordance with the manufacturer's recommendations. The pump shall be capable of delivering \_\_\_\_\_ gallons per minute (\_\_\_\_\_ cubic meters per hour) when operating at a total developed head of \_\_\_\_\_ feet (\_\_\_\_\_ meters). The pump shall be capable of operating continuously at temperatures from 5° F to 288° F (-15° C to 140° C) and working pressures of 145 psi (10 Bars).

The pump housing, motor stool, and shaft coupling shall be constructed of close-grained cast iron. For open systems the pump housing and motor stool are available in bronze. The impeller, impeller seal ring, and pump shaft shall be constructed of stainless steel. The impeller shall be secured to the pump shaft by means of a stainless steel split cone and nut. The pump shall be equipped with a high temperature bellows seal assembly with Tungsten Carbide/Carbon seal faces mounted in stainless steel 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
- Grundfos MLE, integrated variable frequency drive, PI control, T.E.F.C. (IP55), 95% relative humidity rating, infra-red communication to R100 (infra-red, 3-phase only)
- 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 VersaFlo TP circulators or approved equal.

# GRUNDFOS®



*Leaders in Pump Technology*

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