

## **1 General**

### **1.1 RELATED SECTIONS**

- .1 Section 21 05 01 - Common Work Results - Mechanical.
- .2 Section 22 11 16 - Domestic Water Piping.
- .3 Section 23 05 53.1 – Mechanical Identification.

### **1.2 REFERENCES**

- .1 National Plumbing Code of Canada (2010).

### **1.3 SUBMITTALS**

- .1 Provide Shop Drawing and Maintenance Manual submittals in accordance with Section 01 33 00 - Submittal Procedures and Section 21 05 01 – Common Work Results - Mechanical.

## **2 Products**

### **2.1 DOMESTIC COLD WATER RECIRCULATING PUMPS**

- .1 Construction: wet rotor, in-line centrifugal, all bronze construction, stainless steel shaft, stainless steel or bronze shaft sleeve, two oil lubricated bronze sleeves or ball bearings. Rated for 860 kPa and 105 degrees C continuous service.
- .2 Motor: drip-proof, with thermal overload protection.
- .3 Supports: provide as recommended by manufacturer.
- .4 Acceptable Materials: Armstrong, Grundfos, ITT Bell & Gossett, Taco.

## **3 Execution**

### **3.1 MANUFACTURER'S INSTRUCTIONS**

- .1 Comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage, and installation instructions, and datasheets.

### **3.2 INSTALLATION**

- .1 Make piping and electrical connections to pump and motor assembly and controls as indicated.
- .2 Ensure pump and motor assembly do not support piping.
- .3 Ensure pumps are readily accessible for servicing without interfering with installation or operation of other equipment.

**END OF SECTION**