



SECTION 22 32 00 - DOMESTIC WATER FILTRATION EQUIPMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes the following types of filtering equipment:
 - 1. Centralized softener, reverse osmosis or carbon filtering.
 - 2. Point of use filters.

1.2 REFERENCES

- A. General: Comply with appropriate standards.
 - 1. American Society of Mechanical Engineers: ASME.
 - 2. Underwriters Laboratories Inc.: UL
 - 3. California AB 1953 Lead Free.

1.3 SUBMITTALS

- A. Submit data on all materials, fittings, accessories and equipment.
- B. Shop Drawings: Indicate pipe materials used, joining methods, supports, floor and wall penetrations seals. Indicate installation, layout, weights, mounting and support details, and piping connections. Provide detail water filtration assemblies and indicate dimensions, weight loads, and required clearances.
- C. Product Data: Submit capacity, electrical characteristics and connection requirements. Indicate dimensions of tanks, tank lining methods, anchors, attachments, lifting points, taps, drains, controls, and operating sequence. Identify center of gravity and locate and describe mounting and anchorage provisions
- D. Startup service test reports.
- E. Operation and Maintenance Data: For water filtration equipment to include in emergency, operation, and maintenance manuals.
 - 1. Do not install water filtration media until final water piping systems have been flushed and cleaned.
 - 2. Prepare filter media per manufacturer requirements.

1.4 WARRANTY

- A. Furnish five-year manufacturer warranty.



PART 2 - PRODUCTS

2.1 CENTRALIZED FILTERING EQUIPMENT

- A. Manufacturers:
 - 1. **Filtrine Manufacturing Company.**
 - 2. **WaterSoft Inc.**
 - 3. **Culligan International Co.**
- B. Equipment capacities and related piping as required.

2.2 POINT OF USE FILTERS

- A. Manufacturers:
 - 1. **Everpure / Pentair Inc.**
 - 2. **Filtrine Manufacturing Company.**
 - 3. **WaterSoft Inc.**
- B. Sizes, flow capacities, and type as required.

2.3 CATRIDGE FILTER

- A. Off-Floor Cartridge Filters:
 - 1. Manufacturers:
 - a. **Everpure / Pentair Inc.**
 - b. **Filtrine Manufacturing Company.**
 - c. **WaterSoft Inc.**
 - 2. Description: Simplex, in-line wall-mounting housing with replaceable element for removing suspended particles from water (1/2 micron).
 - a. Housing: Corrosion resistant; designed to separate feed water from filtrate and to direct feed water through water filter element; with element support.
 - 1) Pipe Connections: Threaded according to ASME B1.20.1.
 - 2) Support: Wall bracket.
 - b. Element: Replaceable; of shape to fit housing.

2.4 CARBON FILTER

- A. Description: Simplex carbon filter, with media tank, media, and automatic backwash for removing chlorine from and improving color, odor, and taste of water.
 - 1. Manufacturers:
 - a. **Everpure / Pentair Inc.**



- b. **Culligan International Co.**
- c. **CUNO / 3M Company.**

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install the following piping accessories on water conditioning equipment domestic water piping connections.
 - 1. On inlet:
 - a. Thermometer.
 - b. Strainer.
 - c. Pressure gage.
 - d. Shut-off valve.
 - 2. On outlet:
 - a. Shut-off valve.
- B. Install drain piping from tanks to nearest approved receptor.

END OF SECTION 22 32 00