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Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format. The section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the drawings. Delete all "Specifier Notes" when editing this section.

SECTION 22 11 19

SANITARY WASTE PIPING SPECIALTIES

Specifier Notes: This section covers ZURN Z1320XL-EZ Lead-Free, Non-Freeze Wall Hydrants. Consult ZURN for assistance in editing this section for the specific application.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Ecolotrol® Ceramic Disc Lead-Free Wall Hydrant – Encased, Non-Freeze, Anti-Siphon, Automatic Draining

1.2 RELATED SECTIONS

Specifier Notes: Edit the following list of related sections as required for the project. List other sections with work directly related to this section.

- A. Section 220519 "Meters and Gages for Plumbing Piping" for thermometers, pressure gages, and flow meters in domestic water piping.
- B. Section 221116 "Domestic Water Piping" for water meters.
- C. Section 223200 "Domestic Water Filtration Equipment" for water filters in domestic water piping.
- D. Section 224300 "Medical Plumbing Fixtures" for thermostatic mixing valves for sitz baths, thermostatic mixing-valve assemblies for hydrotherapy equipment, and outlet boxes for dialysis

equipment.

- E. Section 224500 "Emergency Plumbing Fixtures" for water tempering equipment.
- F. Section 224713 "Drinking Fountains" for water filters for water coolers.
- G. Section 224716 "Pressure Water Coolers" for water filters for water coolers.
- H. Section 224723 "Remote Water Coolers" for water filters for water coolers.

1.3 REFERENCES

- A. ASME A112.21.3M
- B. ASSE 1019
- C. SWDA Sect 1417(d)

1.4 SUBMITTALS

- A. Comply with Section 01 33 00 - Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including installation instructions.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage: Store materials in clean, dry area indoors in accordance with manufacturer's instructions. Do not store materials in direct sunlight.
- C. Handling: Protect materials and finish during handling and installation to prevent damage.

PART 2 PRODUCTS

2.1 MANUFACTURER

Specifier Notes: Specify ZURN INDUSTRIES, LLC

- A. [Zurn Industries, LLC, 1801 Pittsburgh Avenue, Erie, PA. 16502 Toll Free (855) 663-9876.]
Website: www.zurn.com

2.2 MATERIALS

- A. Encased, Ecolotrol®, lead-free, non-freeze, automatic draining wall hydrant for flush installation. Hydrant features integral backflow preventer with anti-siphon technology, copper casing, all-bronze interior components with 1/2 turn long-life ceramic disc cartridge and combination 3/4" [19] female solder and 3/4" [19] male pipe thread inlet connection, and 3/4" [19] male hose connection. Hydrant furnished with type 304 stainless steel housing with locking hinged cover stamped "WATER" and includes operating key. Hydrant housing fits within one standard modular masonry course.

1. Hydrant Head – low-lead bronze
2. Casing – copper
3. Operating Rod – copper
4. Interior Components – low-lead bronze
5. Equa-Balance Seal – silicone
6. O-rings – NBR
7. Housing box – stainless steel

Specifier Notes: Wall thickness size must be specified.

B. Sizing (wall thickness inches [mm])

1. 6" [152]
2. 8" [203]
3. 10" [254]
4. 12" [305]
5. 14" [356]
6. 16" [406]
7. 18" [457]
8. 20" [508]
9. 22" [559]
10. 24" [610]
11. 26" [660]
12. 30" [762]

Specifier Notes: Specify required Z1320XL-EZ Lead-Free, Non-Freeze Wall Hydrant options and revise above text as necessary. Delete options not required. Consult ZURN INDUSTRIES, LLC for additional information.

C. Suffix Options:

1. -CL Cylinder Lock
2. -RK Hydrant Parts Repair Kit
3. -RT12 Ceramic Cartridge Removal Tool (up to 12" [305] wall)
4. -RT24 Ceramic Cartridge Removal Tool (up to 24" [610] wall)
5. -RT36 Ceramic Cartridge Removal Tool (up to 36" [915] wall)
6. -WC Wall Clamp
7. -34EL ¾" [19] 90 deg. Solder inlet elbow
8. -34FIP ¾" [19] IP Straight Female Inlet Adapter

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine areas to receive ZURN Z1320XL-EZ Lead-Free, Non-Freeze Wall Hydrant. Notify Architect of conditions that would adversely affect installation or subsequent use. Do not proceed with installation until unsatisfactory conditions are corrected.

3.2 INSTALLATION

- A. Install ZURN Z1320XL-EZ Lead-Free, Non-Freeze Wall Hydrant in accordance with

manufacturer's instructions provided in the manner deemed acceptable by the on-site Project Engineer / Manager.

3.3 PROTECTION

- A. Protect installed ZURN Z1320XL-EZ Lead-Free, Non-Freeze Wall Hydrant from damage prior to, during, and post construction.

END OF SECTION