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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 Z1360XL Lead-Free, Non-Freeze Ground Hydrants. Consult ZURN for assistance in editing this section for the specific application.

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Lead-Free Ground Hydrant – Encased, Flush-Type, Non-Freeze Hydrant

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

### **2.2 MATERIALS**

- A. Encased, lead-free, non-freeze Ground Hydrant for flush with grade or finished (non-traffic) floor installation. Hydrant features galvanized steel casing, bronze and stainless steel interior components, bronze seat and replaceable seat washer, non-turning operating rod and, free-floating compression closure valve with 3/4" [19] or 1" [25] inlet connection with 1/4" [6] tapped drainage port on housing, and 3/4" [19] or 1" [25] male hose connection. Hydrant furnished with plain bronze box and locking hinged, scoriated cover stamped "WATER" and includes operating key.

1. Hydrant Head – low-lead bronze
2. Operating Rod – stainless steel
3. Interior Components – low-lead bronze and stainless steel
4. O-rings – NBR
5. Hydrant Casing – galvanized Steel
6. Valve Housing – low-lead bronze
7. Hydrant Box – plain bronze

Specifier Notes: Bury Depth, Inlet Connection Size, and Hose Connection Size must be specified.

B. Sizing (Depth of Bury) Feet [mm]

1. 2' [610]
2. 3' [914]
3. 4' [1219]
4. 5' [1524]
5. 6' [1829]
6. 7' [2134]
7. 8' [2438]
8. 9' [2743]
9. 10' [3048]

C. Sizing (Inlet Connection Size) Inches [mm]

1. ¾" [19] Female IPS Thread
2. 1" [25] Female IPS Thread

D. Sizing (Hose Connection Size) Inches [mm]

1. ¾" [19] Male Hose Thread Connection
2. 1" [25] Male Hose Thread Connection

Specifier Notes: Specify required Z1360XL Lead-Free, Non-Freeze Ground Hydrant options and revise above text as necessary. Delete options not required. Consult ZURN INDUSTRIES, LLC for additional information.

E. Suffix Options:

1. -CI D.C.C.I. Box and Cover
2. -DP12 1/2 [13] IP Drain Port in Box
3. -DP14 1/4 [6] IP Drain Port in Box
4. -DP38 3/8 [10] IP Drain Port in Box
5. -HD Heavy Duty Cover (-CI and -NB only)
6. -K Flashing Flange only
7. -KC Flashing Flange with Clamp Collar
8. -NB Polished Nickel Bronze Face
9. -PB Polished Bronze Face
10. -RK Hydrant Parts Repair Kit
11. -VB 3/4 [19] Adapter Vacuum Breaker (requires deeper box to accommodate VB)

**PART 3 EXECUTION**

**3.1 EXAMINATION**

- A. Examine areas to receive ZURN Z1360XL Lead-Free, Non-Freeze Ground 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 Z1360XL Lead-Free, Non-Freeze Ground 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 Z1360XL Lead-Free, Non-Freeze Ground Hydrant from damage prior to, during, and post construction.

**END OF SECTION**