**SECTION 21 10 00 – WATER BASED FIRE-SUPPRESSION SYSTEMS**

**ZURN WILKINS GUIDE SPECIFICATION**

The following specification text has been prepared by Zurn Wilkins assist design professionals in the preparation of a specification for water based fire protection system pressure reducing valves.

Utilize these paragraphs to insert text into Specification **Section 21 10 00 – Water Based Fire-Suppression Systems** or similarly titled section governing this work.

The following should be noted in using this document:

Optional text requiring a selection by the user is enclosed within brackets and as [Red.] text.

Items requiring user input are enclosed within brackets and as red text, e.g.: "[2] [\_\_] years."

For assistance on the use of the products in this section, contact Zurn Elkay by calling 1-855-663-9876 or visit their website [www.zurn.com](http://www.zurn.com/)

PART 1 – GENERAL

SUBMITTALS

Action Submittals:

Product Data: Manufacturer’s product data sheets with descriptive, product attributes, including optional variations required, and indications of certifications/listings.

Informational Submittals

Operation and maintenance manual data.

part 2 - products

MANUFACTURERS

Contract Documents are based on Zurn Wilkins. [www.zurn.com](http://zurn.com/)

Substitutions: [Refer to Division 01.] [Not permitted.]

FIRE PROTECTION Pressure Reducing Valve

Zurn Wilkins Model ZW209FPHP FM approved and cULus listed diaphragm actuated and pilot controlled pressure reducing valve sized as shown and complete with:

an ASTM A 536 ductile iron main valve cover, and a globe style main body with an inlet and outlet to suit the connecting piping

a fusion epoxy coating on all ferrous metal surfaces

a stainless steel disc guide and seat

a guided stainless steel valve stem

a Nylon reinforced Buna-N diaphragm

a 2-way normally open, direct acting, adjustable, spring loaded, diaphragm actuated pressure reducing pilot assembly with “wye” type strainer, inlet and outlet pressure gauges with 3-way gauge isolation valve, copper tubing and brass fittings, and pilot control field adjustable from 30 psi to 300 psi

[Optional items as follows:

* + - 1. [“C” Model 40XL2 hydraulic check]
      2. [“Z” ZPI position Indicator]
      3. [“Z2” ZPI2 stainless steel dry position indicator]
      4. [“SP” all stainless steel pilot system fittings, valve and tubing]
      5. [“RV” pilot on reverse side]

part 3 - EXECUTION

INSTALLATION OF FIRE PROTECTION Pressure Reducing Valve

Provide a pressure reducing valve assembly in wet pipe fire suppression piping where shown.

Install the valve in accordance with applicable NFPA 13/14 requirements. Ensure that a properly sized (minimum ½”) relief valve is installed on the downstream side of the pressure control valve.

Adjust the valve to the required downstream pressure and inspect and test the valve in accordance with requirements of NFPA 25.

**END OF SECTION**