



Superior Manufacturing Division
Magnatech Corporation
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This MANU-SPEC® utilizes the Construction Specifications Institute (CSI) *Project Resource Manual* (PRM), including *MasterFormat*™, *SectionFormat*™ and *PageFormat*™. It has been numbered to meet the recommendation of the *MasterFormat* 2004 classification system. A MANU-SPEC is a manufacturer-specific proprietary product specification using the proprietary method of specifying applicable to project specifications and master guide specifications. Optional text is indicated by brackets []; delete optional text in final copy of specification. Specifier Notes typically precede specification text; delete notes in final copy of specification. Trade/brand names with appropriate symbols typically are used in Specifier Notes; symbols are not used in specification text. Metric conversion, where used, is soft metric conversion.

This MANU-SPEC specifies a water treatment system that controls the formation of scale and corrosion without chemicals. This product is manufactured by Superior Manufacturing Division. Revise MANU-SPEC section number and title below to suit project requirements, specification practices and section content. Refer to *CSI MasterFormat* for other section numbers and titles.

**SECTION 44 42 00
GENERAL WATER TREATMENT EQUIPMENT**

PART 1 GENERAL

1.01 SUMMARY

Specifier Note: Revise paragraph below to suit project requirements. Add section numbers and titles per CSI *MasterFormat* and specifier's practice.

- A. Related Sections:
 - 1. Connections to Water Piping System: Division 22 plumbing sections.

Specifier Note: Article below includes submittal of relevant data to be furnished by Contractor before, during or after construction. Coordinate this article with Architect's and Contractor's duties and responsibilities in Conditions of the Contract and Section 01 33 00 - Submittal Procedures.

1.02 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Section [01 33 00 - Submittal Procedures] [_____].
- B. Product Data: Submit product data, including manufacturer's SPEC-DATA sheet and installation instructions, for specified products.
- C. Warranty: Manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under Contract Documents.

1.03 DELIVERY, STORAGE & HANDLING

- A. General: Comply with [01 61 00 - Common Product Requirements] [_____].
- B. Delivery, Storage and Protection:
 - 1. Deliver, store and handle in accordance with Section [01 61 00 - Common Product Requirements] [_____].

2. Deliver, store and handle materials in accordance with manufacturer's written instructions.
3. Deliver in original packaging with labels and identification intact.
4. Inspect items upon delivery to ensure that specified products have been received.
5. Store items in secure dry location, protected from weather until ready for installation.

C. Waste Management and Disposal

Specifier Note: Environment: The disposal of packaging waste into landfill site demonstrates an inefficient use of natural resources and consumes valuable landfill space.

1. Separate waste materials for [reuse] [and] [recycling] [_____] in accordance with Section [01 74 19 - Construction Waste Management and Disposal] [_____].
 - a. Remove packaging materials from site and dispose of at appropriate recycling facilities.
 - b. Collect and separate for disposal [paper] [plastic] [polystyrene] [corrugated cardboard] [_____] packaging material [in appropriate onsite bins] [_____] for recycling.

Specifier Note: Coordinate article below with Conditions of the Contract and with Section [01 78 36 - Warranties] [_____].

1.04 WARRANTY

- A. Project Warranty: Refer to Conditions of the Contract and Section [01 78 36 - Warranties] [_____] for project warranty provisions.
- B. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under Contract Documents.

Specifier Note: Contact manufacturer for available warranty terms.

1. Warranty Period: [_____] years commencing on Date of Substantial Completion.

PART 2 PRODUCTS

Specifier Note: Retain article below for proprietary method specification. Add product attributes, performance characteristics, material standards and descriptions as applicable. Use of such phrases as "or equal," "or approved equal" or similar phrases may cause ambiguity in specifications. Such phrases require verification (procedural, legal and regulatory) and assignment of responsibility for determining "or equal" products.

2.01 EQUIPMENT

- A. Manufacturer: Superior Manufacturing Division, Magnatech Corporation.
 1. Contact: 2015 S. Calhoun Street, Fort Wayne, IN 46802; Telephone: (800) 348-0999, (260) 456-3596; Fax: (260) 456-3598; E-mail: info@superiorwaterconditioners.com; website: www.superiorwaterconditioners.com.

Specifier Note: Insert model number and physical and technical properties below. Refer to manufacturer's SPEC-DATA® sheet.

- B. Water Conditioner:
 1. Model: [_____].
 2. Maximum Flow: [_____] gallons per hour (_____] lph) [_____] gallons per minute (_____] lpm)].
 3. Connection Size: [_____] inches (_____] mm)].
 4. Diameter: [_____] inches (_____] mm)].
 5. Length: [_____] inches (_____] mm)].
 6. Weight: [_____] lb (_____] kg)].

2.02 PRODUCT SUBSTITUTIONS

- A. Substitutions: Substitutions in accordance with Section [01 25 13 - Product Substitution Procedures] [No substitutions permitted] [_____].

PART 3 EXECUTION**3.01 MANUFACTURER'S INSTRUCTIONS**

Specifier Note: Article below is an addition to the CSI *SectionFormat* and a supplement to MANU-SPEC. Revise article below to suit project requirements and specifier's practice.

- A. Compliance: Comply with manufacturer's written data, including product technical bulletins, product catalog installation instructions, product carton installation instructions and [company name] SPEC-DATA sheets for [product name].

3.02 EXAMINATION

- A. Site Verification of Conditions:

- 1. Verify substrate conditions are acceptable for product installation in accordance with manufacturer's instructions.

3.03 CLEANUP

- A. Proceed in accordance with Section [01 74 23 - Final Cleaning] [_____].
- B. Upon completion and verification of performance of installation, remove surplus materials, rubbish, tools and equipment.

END OF SECTION