

SECTION 15076

PIPING AND VALVE IDENTIFICATION

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Pipe Markers.
- B. Stencils.
- C. Valve Tags.
- D. Valve Chart Frames.

1.2 RELATED SECTIONS

- A. Section 09900 - Paints and Coatings: Identification painting.

1.3 REFERENCES

- A. ANSI A13.1 - Scheme for the Identification of Piping Systems.
- B. IIAR Bulletin 114 - Ammonia Refrigeration and Piping System Components Identification; International Institute of Ammonia Refrigeration.
- C. NFPA 99C - Gas and Vacuum Systems.

1.4 SYSTEM DESCRIPTION

- A. Color Coding and Nomenclature for Building Piping: Conform to ANSI A13.1.
- B. Color Coding and Nomenclature for Medical Gas Piping: Conform to NFPA 99C.
- C. Color Coding and Nomenclature for Pulp and Paper Processing Materials Piping: Conform to OSHA.
- D. Color Coding and Nomenclature for Ammonia Refrigerant Piping: Conform IIAR Bulletin 14.

1.5 SUBMITTALS

- A. Submit under provisions of Section 01300.

- B. Submit list of wording, symbols, letter size, and color coding for piping identification.
- C. Submit list of wording, symbols, letter size, and color coding for valve identification.
- D. Product Data: Provide manufacturers catalog literature for each product specified.
- E. Samples: Submit two labels, indicating type and quality of products to be installed.
- F. Manufacturer's Installation Instructions: Indicate special procedures, and installation.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Seton Name Plate Co.; 20 Thompson Road, Branford CT 06405-2842; Telephone 203-488-8059, FAX 203-488-5973; Toll Free Telephone 800-243-6624, Toll Free FAX 800-345-7819.

2.2 MANUFACTURED UNITS

- A. Pipe Markers for Indoor Use: Seton Setmarks; material indicator on calendered vinyl sheet; snap-around type for pipe sizes to 5-7/8 inches diameter, strap-around type with nylon ties for pipe sizes 6 inches diameter and larger.
- B. Pipe Markers for Indoor Use: Seton Seton-Code; material indicator on pressure-sensitive vinyl sheet, with detachable direct-of-flow arrows.
- C. Pipe Markers for Indoor Use: Seton Opti-Code; material indicator on pressure-sensitive vinyl sheet.
- D. Pipe Markers for Indoor Use: Roll-form pipe markers; material indicator on pressure-sensitive vinyl tape roll.
- E. Pipe Markers for Outdoor Use: Seton Ultra-Mark; material indicator and direction-of-flow arrow on weather-resistant pressure-sensitive polyester sheet.

- F. Pipe Markers for Outdoor Use: Seton Weather-Code; material indicator and detachable direction-of-flow arrow on weather-resistant pressure-sensitive vinyl sheet; service temperature -40 degrees F to 175 degrees F.
- G. Pulp and Paper Processing Materials Pipe Markers: Conforming to OSHA, and 29 CFR 1910.261; material indicator with direction-of-flow arrow on vinyl roll.
- H. Ammonia Refrigeration Piping Markers: Conforming to IIAR requirements; material indicator with direction-of-flow arrow on vinyl roll.
- I. Medical Gas Pipe Markers: Conforming to NFPA 99C and CGA C-9; material indicator on vinyl tape roll.
- J. Medical Gas Pipe Markers: Conforming to NFPA 99C and CGA C-9; material indicator on pressure-sensitive vinyl sheet.
- K. Direction-Of-Flow Arrows: Seton Arrows-On-A-Roll; direction-of-flow arrows on pressure-sensitive vinyl tape roll.
- L. Pipe Stencils: Factory-cut stencils with material indicator and direction-of-flow arrows.
- M. Valve Tags:
 - 1. Material and identification number imprinted on tag.
 - 2. Tag material: Plastic.
 - 3. Tag material: Brass.
 - 4. Tag material: Aluminum.
 - 5. Tag material: Stainless steel.
- N. Valve Tag Securing Devices:
 - 1. Provide one securing device for each tag in accepted schedule.
 - 2. Device type: Number 6 brass bead chain.
 - 3. Device type: Number 6 nickel-plated steel bead chain.
 - 4. Device type: Number 16 brass jack chain.
 - 5. Device type: Number 16 zinc-plated steel jack chain.
 - 6. Device type: Brass "S" hook.
- O. Valve Chart Frame:
 - 1. Size: For included 8-1/2 inches by 11 inches chart.
 - 2. Materials: Aluminum frame, plastic window.
 - 3. Materials: Aluminum frame, glass window.

4. Materials: Plastic frame, glass window.

PART 3 EXECUTION

3.1 PREPARATION

- A. Degrease and clean surfaces to receive identification materials.
- B. Prepare surfaces in accordance with Section 09900 for stencil painting.

3.2 INSTALLATION

- A. Install pipe markers in accordance with accepted shop drawings and manufacturer's instructions.
- B. Install valve tags in accordance with accepted shop drawings and manufacturer's instructions.

END OF SECTION