

**ROGERS WATER UTILITIES WATER SYSTEM
ROGERS, ARKANSAS**

**SPECIFICATIONS FOR
TAPPING SLEEVES AND VALVES,
INSERT VALVES & CUT-IN VALVES
REVISED AUGUST 2007**

1. **SCOPE**

This specification covers tapping sleeves and valves, insert valves & cut-in valves. The diameter of the tap may be as large as the pipe for 12 inch and smaller water mains. The maximum diameter of the tap on an 18 inch water main is 12 inch and the maximum diameter of the tap on a 24 inch water main is 18 inch.

2. **GENERAL REQUIREMENTS FOR TAPPING SLEEVES AND VALVES**

- a. Ductile iron sleeves shall be mechanical, split-type (full body) with flanged outlet. Sleeves shall conform to ANSI/NSF 61 and Manufacture's Standardization Society standard practice SP-60.
- b. Sleeves shall be designed for a minimum working pressure of 225 psi or greater.
- c. Outlet flange of sleeve shall be a 150 lb. and shall be faced and drilled in accordance with ANSI Specification B16.1, Class 125.
- d. A **test port with plug** shall be furnished through the sleeve body for hydrostatic testing on sleeves 4 inch and larger.
- e. All tapping valves shall be resilient-seated gate valves and conform to the requirements of Section 02-03-Resilient-seated gate valves of this specification.
- f. All tapping valves shall open left (counter clockwise), unless otherwise specified.
- g. Tapping valves shall be mechanical joint with tapping flange on the other end. The tapping valves shall be furnished complete with glands, bolts and gaskets. The tapping valve shall have a clear, unobstructed waterway. The seat ring shall be of larger diameter to permit entry of full diameter tapping machine cutters. The valve end which mates with the tapping sleeve shall have an alignment lip to fit the recess in the tapping sleeve flange for proper alignment. The lip will be dimension in accordance with MSS SP 60 for valves 12 inch nominal sized and smaller.

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- h. Tapping valves 18 inch and larger shall be designed for horizontal installation and geared. Gears shall be cut-tooth steel and gear cases shall be totally-enclosed, weather type to enclose the gears, the stuffing box and the valve stem, attached to the valve bonnet. The number of turns to open or close the valve shall be consistent for each valve size for the manufacturer.
- i. All exterior and interior surfaces of the tapping valves shall be coated with epoxy, NSF certified. The epoxy shall have a minimal dry film thickness of 8 mils, and shall be in accordance with AWWA C550, latest revision.
- j. The use of stainless steel tapping sleeves is not allowed unless authorized by the Manager of the Rogers Water Utilities.
- k. [Installation and testing shall be in accordance with Section 07-05 Tapping Sleeves and Valves of the RWU specification.](#)

3. **GENERAL REQUIREMENTS FOR INSERT VALVES**

The use of insert valves is not allowed unless authorized by the Manager of the Rogers Water Utilities.

4. **GENERAL REQUIREMENTS FOR CUT-IN VALVES**

The use of cut-in valves is not allowed unless authorized by the Manager of the Rogers Water Utilities.

5. **QUALITY ASSURANCE**

- a. The Rogers Water Utilities may, at no cost to the manufacturer subject random tapping sleeves or tapping valves to testing by an independent laboratory for compliance with these standards. Any visible defect or failure to meet the quality standards herein will be grounds for rejecting.
- b. All tapping sleeves and valves shall be domestically manufactured.

The following manufacturers are approved for tapping sleeves and valves.

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APPROVED TAPPING SLEEVE MANUFACTURERS LIST

American Cast Iron Pipe Company
Tyler Pipe Company
Clow Valve Company
U.S. Pipe Company
Mueller Company

APPROVED TAPPING VALVE MANUFACTURERS LIST

American Flow Control
Clow Valve Company
Kennedy Valve
Mueller Company