

**SAN ANTONIO WATER SYSTEM
SAN ANTONIO, TEXAS
SPECIFICATIONS FOR NO LEAD BRASS GATE VALVES
Revised September 2013**

1. **SCOPE**

This specification covers non-rising stem type no lead brass gate valves, in sizes through 2 inches, installed on potable water systems where full-open, full-closed, non-throttling control is required.

2. **GENERAL REQUIREMENTS**

- a. The valve shall be manufactured in accordance with AWWA Standard C-800, or the latest revision thereof. Valve shall comply with the NSF / ANSI Standard 61, Drinking Water Act and/or NSF/ ANSI Standard 372, Drinking Water Act. All brass components in contact with potable water must be made from either CDA/UNS Brass Alloys C89520 in accordance with ASTM B584; or C89833 with a maximum lead content of .25% by weight.
- b. The valve body shall be generously proportioned, heavy-duty type with screwed ends, in conformance with appropriate Federal Specifications for iron-pipe-sized threaded connections.
- c. The valve shall be 125 psi WSP, 200 psi WOG rated and appropriately identified on the valve body. Valve shall have the manufacturers name or trademark and the no lead (NL) permanently stamped or cast on the valve.
- d. The non-rising stem shall be equipped with a single-wedged disc and threaded bonnet designed for unrestricted flow in the full-opened position. The stem shall be manufactured of a no-lead brass meeting the requirements of the United States Of America Safe Drinking Water Act and the U.S. Environmental Protection Agency.
- e. The packing shall be Teflon (non-asbestos containing) material approved for potable water service.
- f. The handwheel end of the stem shall have tapered milled flats, squared without serrations.
- g. The valve shall be equipped with a replaceable malleable iron handwheel, with a bronze or stainless steel nut. All 1-1/2" and 2" valve shall be furnished with a bronze handwheel, with bronze or stainless steel nut.

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3. The San Antonio Water System may, at no cost to the manufacturer, subject random 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 the entire order.

4. Valve submitted for consideration as an approve equal must conform to product specification criteria. Include all necessary information to evaluate the product for approval. Submit information to:

San Antonio Water System
3930 E. Houston St.
San Antonio, Texas 78220
Attn: Robert N. Cruz

5. Valves furnished under this specification shall be as manufactured by one of the following, or approved equal:

<u>Approved Manufacturers</u>	<u>Models</u>	<u>(Models Numbers for NL Pending)</u>
Grinnell Valve Company	3000	
Nibco Valve Company	T-113	
Stockham Valve Company	B-103	
Hammond Valve Company	IB-645	
Milwaukee	105	
Kitz Corporation	# 46	

Previous Revised

Nov 1994

Dec 2011