

SPECIFICATIONS FOR BRASS GATE VALVES

REVISED DECEMBER 2011

1. **SCOPE**

This specification covers non-rising stem type 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 of bronze alloys meeting the requirements of ASTM Specifications B62 or the latest version thereof.
- 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.
- 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 copper-silicon-bronze alloys meeting the requirements of ASTM Specifications B371, or ASTM Specifications B62, and contain less than 15% zinc.
- 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.

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. The attached qualified products list identifies specified manufacturers that are approved.

San Antonio Water System Material Standard Specifications

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Approved Manufacturers and Models:

<u>Manufacturer</u>	<u>Model</u>
Grinnell Valve Company	3000
Nibco Valve Company	T-113
Stockham Valve Company	B-103
Hammond Valve Company	IB-645
Milwaukee	105

Previous Specification Date:

NOVEMBER 1994

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