

Material Specification – 12

CAST IRON VALVE BOXES

1. GENERAL

CI valve box components shall be manufactured in accordance with the following requirements.

2. VALVE BOXES, 6-INCH

Valve boxes shall be the 3-piece adjustable screw type with a 16-inch top section, 18-inch extension, 24-inch stem, and 30-inch bottom and base.

Components	Minimum Weight (Lbs)
Lid	13
16-inch Top Section	34
18-inch Extension	29
24-inch Stem	35
30-inch Bottom	38
Base	68

3. APPROVED MANUFACTURERS AND MODELS FOR CI VALVE BOXES

Manufacturers	Models
Bingham & Taylor	CCO5 Series, CUL5 Series, and GRE5 Series
EJ	8560 Series and 6800 Series Drop Lid
Sigma Corporation	VB630 Series
Star Pipe Products	VB-0006 Series

4. APPROVED MANUFACTURERS AND MODELS FOR CURB STOP SERVICE BOXES

Curb stop service boxes shall be CI and of the following type:

Manufacturers	Models	Size (Inch)
Bingham & Taylor	I2B94EWOS	3/4 and 1
	I4B144RW	1 1/2 and 2 (Roadway Box)
Sigma Corporation	794E-35, 795E-35	3/4 and 1
Star Pipe Products	SB94ES, SB95ES	3/4 and 1
	RWB 145RHD	1 1/2 and 2 (Roadway Box)

5. MATERIALS

Valve box parts shall be made of grey CI in accordance with ASTM A 48, Class 35B. The use of an aluminum alloy as a casting material is not acceptable.

6. FINISH

Components shall be deburred and machined so that final dimensions are within ± 0.0625 -inch of the specified dimensions. Components shall be provided with the Manufacturer's standard rust-preventive coating.

7. QUALITY CONTROL

The Manufacturer shall submit a written statement that the inspection and all specified tests have been completed and that results comply with the requirements of these Standards. A copy of the certification shall be provided to Denver Water, if requested.

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