

CITY OF LEWISVILLE

WATER METERS AND WATER METER BOXES SPECIFICATIONS

CITY OF LEWISVILLE SPECIFICATIONS FOR 3/4" AND 1" WATER METERS

GENERAL DESCRIPTION

Multi-Jet Meters: 3/4" and 1"

Type:

All meters shall be Cold Water Multi-Jet type with magnetic drive and sealed registers. Meters shall equal or exceed the requirements of **A.W.W.A Standards C 708** for Cold Water Multi-Jet type with particular reference to flow capacity, pressure loss, accuracy and physical dimensions. The latest revisions of these standards shall be the controlling requirements.

DETAILED SPECIFICATIONS

Main Case

Outer cases shall be made of copper alloy equaling or exceeding **A.W.W.A. Standards** with separate inner chambers. All external bolts shall be made of high strength copper alloy or stainless steel. The size and direction of flow shall be stamped on the meter casing.

Registers shall be raised registers that are capable of being upgraded to electronic read. Registers shall be sealed and straight reading in U.S. Gallons. The register lens shall be of high strength heat treated glass. The register that is furnished with the meter shall be the same register that was on the meter when it was tested.

Measuring Chamber:

The measuring chamber shall be made of suitable synthetic polymer material which equals or exceeds AWWA standards. It shall be secured in a position in the main case in such a manner that slight distortion of the outer case will not effect the sensitivity or registration of the meter.

Strainers:

All meters must be provided with a corrosive resistant strainer with the strainer area being at least double of the meter inlet.

Performance

Meters must meet A.W.W.A. performance specification outlined below.

Meter Size	Low Flow (at least 97%)	Accuracy Range (98.5% - 101.5%)	Lay Length (Inches)
3/4"	1/2 gpm	2 gpm – 30 gpm	7 1/2"
1"	3/4 gpm	3 gpm – 50 gpm	9"

Meter may be purchased at:

City of Lewisville
Customer Services
1197 W. Main Street
Lewisville, Teas 75067
(972) 219-3440

docs/ulm/specs/residm~3

CITY OF LEWISVILLE SPECIFICATIONS FOR WATER METERS

TECHNICAL SPECIFICATIONS:

GENERAL DESCRIPTION:

Single Jet meters, Multi jet, positive displacement, ultra sonic and turbine meters

TYPE:

All meters shall be constructed so that they meet the standards set by AWWA C700-09 or C710-09.

PERFORMANCE:

Meters must meet the new meter performance specifications outlined below:

Meter Size	Low Flow (at least 95%)	Accuracy Range (98.5% - 101.5%)
1 ½"	1/5 gpm	1/3 gpm – 175 gpm
2"	1/4 gpm	1/2 gpm – 265 gpm
3"	1/3 gpm	1/2 gpm – 350 gpm
4"	1/2 gpm	3/4 gpm – 520 gpm
6"	1 gpm	1 1/4 gpm – 880 gpm

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Purchasing Options and Vendor list:

1 ½" and 2" Meters

City of Lewisville
Customer Services
151 W. Church Street
Lewisville, Texas 75057
(972) 219-3490

All water meters that are 3" or greater are subject to the approval of the ULM Manager in regards to the meters manufacturer. Approval for the use of a particular brand and size must be obtain from the ULM Manager in writing.

CITY OF LEWISVILLE SPECIFICATIONS FOR WATER METER BOXES

It is the intent of these specifications to describe the minimum requirements for water meter boxes. Each box will include lid and be ready for installation. All parts not specifically mentioned which form a part of the complete unit shall conform design, strength, quality of material, and workmanship to the highest standards of engineering practice. Meter boxes shall be manufactured by Brooks or DFW Plastics.

All residential and commercial meter boxes for 3/4" through 2" meters (plastic meter boxes): Model (DFW) D15AMR2-OLRB shall be used. (Flower beds, grassy areas, etc.)

If meters are in areas where it is necessary to put them (concrete and asphalt) example: "Shopping Centers" then the following meter boxes shall be used:

Brooks Concrete Boxes Model #36T Box w/Cast Iron Lid 10.5" x 17.25" with 2" Pitt Pad predrilled holes for "3/4" meters only".

Brooks Concrete Boxes Model #65TFW Concrete box w/steel cover 17" x 28" w/reader lid and 2" AMR Sensor hole for "1" through 2" meters only.

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Listed below are vendors, addresses and phone numbers:

Hughes Supply, Inc
1975 California Crossing
Dallas, Texas 75220
(972) 556-0611

Utility Plus, Inc.
1890 Midway Road
Lewisville, Texas 75056
(972) 394-3882

Ferguson Enterprises, Inc.
1900 Northwest Highway
Dallas, Texas 75220
(972) 556-0010

Fuson Water Utilities, Inc.
2806 S. Forthood Street
Killeen, Texas 76542
(254) 526-4925