

Material Specification – 32

FIRE HYDRANT METERS

1. GENERAL

Fire hydrant meters shall be manufactured in accordance with AWWA C701 with the following additional requirements or exceptions.

2. DESCRIPTION

The meter housing shall be aluminum with straightening vanes, strainer, fire hose couplings, and a gate valve positioned after the meter or required BFP assembly.

3. REGISTERS

Registers shall be straight read, permanently sealed, magnetic drive, and 100 U. S. gallon sweep.

4. MEASURING ELEMENT

The measuring element shall be easily removable for required maintenance.

5. INSTALLATIONS

The installation of a fire hydrant meter requires the installation of a Denver Water approved BFP assembly. The meter and the BFP assembly shall be completely supported.

Fire hydrants that are used and subsequently damaged by a Contractor will be repaired by Denver Water at the expense of the Contractor.

6. APPROVED BACKFLOW PREVENTION ASSEMBLY MANUFACTURERS

An approved USC FCCCHR BFP assembly RP shall be installed with fire hydrant meters and a gate valve.

7. BACKFLOW PREVENTION

BFP assemblies shall be manufactured in accordance with AWWA C510 and C622 and shall meet USC FCCCHR specifications.

8. 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. Components in contact with potable water shall be certified to comply with NSF/ANSI 61 and NSF/ANSI 372, and a copy of the certification shall be provided to Denver Water, if requested.

9. APPROVED METER MANUFACTURERS AND MODELS

| Manufacturers | Models |
|--------------------------|------------------------------|
| Badger Meter, Inc. | Model FHM Fire Hydrant Meter |
| Neptune Technology Group | Fire Hydrant Meter |

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