

## Materials Specification – 32 for 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 backflow prevention assembly.

Components in contact with potable water shall be certified to comply with NSF/ANSI 61, NSF/ANSI 61 Annex G, and NSF/ANSI 372.

**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 backflow prevention assembly. The meter and the backflow prevention 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. ACCEPTABLE BACKFLOW PREVENTION ASSEMBLY MANUFACTURERS**

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

**7. BACKFLOW PREVENTION**

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

**8. CERTIFICATION**

The manufacturer shall furnish a sworn 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.

**9. ACCEPTABLE METER MANUFACTURERS AND MODELS**

<b>Manufacturers</b>	<b>Models</b>
Badger Meter, Inc.	Model FHM Fire Hydrant Meter
Neptune Technology Group	Fire Hydrant Meter
Sensus Metering Systems	Model 125-W Fire Hydrant Meter

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