

Materials Specification – 32 for FIRE HYDRANT METERS

1. GENERAL:

Fire hydrant meters shall be manufactured in accordance with AWWA C701.

2. MATERIAL AND CONSTRUCTION:

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

Any 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 METER MANUFACTURERS:

Badger Meters, Inc.: Model FHM Fire Hydrant Meter
Neptune Technology Group: Fire Hydrant Meter
Sensus Metering Systems: Model 125-W Fire Hydrant Meter

7. ACCEPTABLE BACKFLOW PREVENTION ASSEMBLY MANUFACTURERS:

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

8. BACKFLOW PREVENTION:

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

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Fire Hydrant Meters*