

**Material Specifications – 19
for
MAGNETIC DRIVE FIRE SERVICE TYPE WATER METERS
3-INCH THROUGH 10-INCH TURBINE TYPE**

1. GENERAL:

Magnetic drive turbine type fire service water meters, 3-inch through 10-inch, furnished under this standard, shall be manufactured in strict accordance with the latest edition of AWWA C703 and C707 with the following additional requirements. The mainline meter and strainer must be UL-listed or FM approved. The main casings of the meter, internal parts and strainers shall be designed for easy removal. Strainers, stainless steel mounting bolts and flange gaskets shall be furnished with each meter.

2. MAINLINE METER:

The mainline meter shall be a turbine type meter that shall be UL listed or FM approved.

3. BYPASS METER:

The bypass meter may be either the turbine type or the compound type. Ball valves shall be installed directly upstream of the meter and downstream of the bypass meter check valve.

4. REGISTERS/REGISTER BOXES:

Meter registers and register boxes shall comply with the requirements of [MS-15](#).

5. METER NUMBERS:

The Denver Water meter number shall be plainly chisel stamped on the meter main case and on the brass register caps. This meter number shall be heat stamped in a contrasting color on the plastic register caps. The Denver Water meter number shall also be attached to the meter in bar code form 39 using a separate tag. Dimple type stamping methods and paper or plastic number labels affixed to the register are NOT acceptable.

6. ACCEPTABLE MANUFACTURERS AND MODELS:

Badger Meters, Inc.: Fire Series Assembly
Neptune Technology Group: HP Fire Service Turbine Meter
Sensus Metering Systems: FireLine or Compact FireLine Meter

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