

SPECIFICATIONS

GENERAL SPECIFICATIONS

The Fire Hydrant Backflow Meter shall consist of a $\frac{3}{4}$ " Short Water Meter, 1" size Reduced Pressure Backflow Preventer, 1" resilient-seated full port shut-off valve with locking device, $2\frac{1}{2}$ "- $7\frac{1}{2}$ " NST threaded hose couplings, strainer on inlet of meter and adjustable support rod assembly.

The Fire Hydrant Backflow Meter shall be suitable for **supply pressure up to 150 psi and measurement of cold water with flow in one direction only.**

The Fire Hydrant Meter shall meet the requirements of: **ANSI/AWWA Standard C-700.** The backflow preventer shall meet the requirements of **AWWA Standard C-511.**

CONBRACO SPECIFICATIONS

The Conbraco Series 40205FHB Fire Hydrant Backflow Meter shall measure potable water from a fire hydrant or other non-permanent installation. At the same time it shall protect against backflow by either backpressure or backsiphonage from a cross-connection between a potable water system and substances that are non-health and health hazards.

The unit shall consist of a $\frac{3}{4}$ " Short Water Meter, 1" RP device, 1" resilient-seated full port ball valve with locking device, $2\frac{1}{2}$ "- $7\frac{1}{2}$ " NST threaded hose couplings, strainer on inlet of meter and adjustable support rod assembly. The Water Meter shall consist of three basic components: maincase; measuring chamber; and permanently, hermetically-sealed register. The maincase is bronze and the measuring chamber is thermoplastic. The register, measuring chamber and strainer can be removed without removing the maincase from the installation.

All parts shall be made of corrosion resistant materials, and shall be **100% made in the USA.** The manufacturing facility shall be **ISO 9001 REGISTERED.**

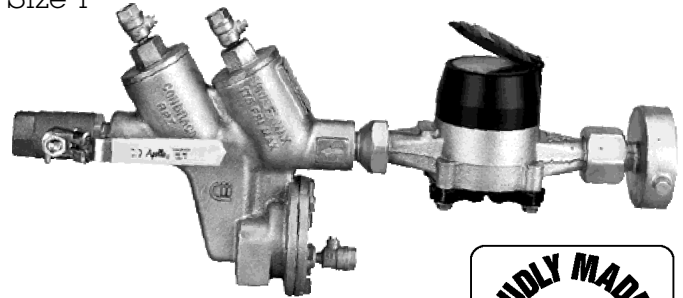
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The Fire Hydrant Backflow Meter shall be manufactured by **CONBRACO INDUSTRIES, INC.,** Matthews, North Carolina.

Fire Hydrant Backflow Meter

Size 1"



FEATURES

- Normal operating flow range 2-50 gpm
- Accuracy 100% \pm 1.5% of actual thruput
- Low flow registration 95% at 1/2 gpm
- Maximum operating pressure 150 psi
- Measuring element oscillating piston
- Register is straight reading, hermetically sealed magnetic drive
- Meter maincase is bronze, measuring chamber is Rocksyn, a corrosion resistant thermoplastic material, maincase bottom plate is bronze, gears are self-lubricating, molded plastic for long life and minimum friction, magnets are Alnico, trim and casing bolts are stainless steel and strainer is thermoplastic
- Tamperproof locking system inside the meter
- $2\frac{1}{2}$ "- $7\frac{1}{2}$ " NST fire hose swivel couplings, female inlet, male outlet



*Maximum rate listed is for intermittent flow only. Maximum continuous flow rate as specified by AWWA is 15 gpm.

DIMENSIONS (in.) - WEIGHT (lbs.)

Net. Wt. 24.1 Shp. Wt. 27.6

