

SPECIFICATIONS

GENERAL SPECIFICATIONS

The Fire Hydrant Backflow Meter shall consist of a 3" size Fire Hydrant Meter, 2" size Reduced Pressure Backflow Preventer, 2" resilient-seated full port shut-off valve with locking device, 2½"-7½" NST threaded hose couplings, stainless steel internal strainer on inlet connection and adjustable support rod assembly.

The Fire Hydrant Backflow Meter shall be suitable for **supply pressure up to 150 psig and measurement of cold water up to 80°F with flow in one direction only.**

The Fire Hydrant Meter shall meet the requirements of: **ANSI/AWWA C701-88.** The backflow preventer shall meet the requirements of **AWWA C-511.**

CONBRACO SPECIFICATIONS

The Conbraco Series 40208FHB 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 3" Fire Hydrant Meter, approved 2" RP device and 2" resilient-seated full port ball valve with locking device. The Fire Hydrant Meter shall consist of a lightweight aluminum maincase and a measuring chamber. Straightening vanes in the main case minimize the swirl upstream of the meter so as to direct the flow evenly to the rotor. The measuring chamber assembly includes the rotor, a calibration vane and a permanently, hermetically sealed, Direct Reading register. An orifice plate positioned at the rear of the maincase limits the maximum flow of water through the meter to protect it from overspeeding. The RP device shall be a 4020899T unit less valves. 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.**

The Fire Hydrant Backflow Meter shall be suitable for **supply pressure up to 150 psig and measurement of cold water up to 80°F with flow in one direction only.**

APPROVALS

The Fire Hydrant Meter shall meet the requirements of **ANSI/AWWA C701-88.** The backflow preventer shall meet the requirements of **AWWA C-511.**

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

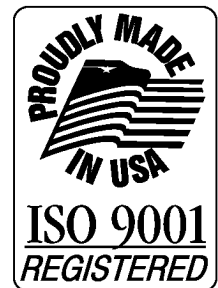
Fire Hydrant Backflow Meter

Size 2"



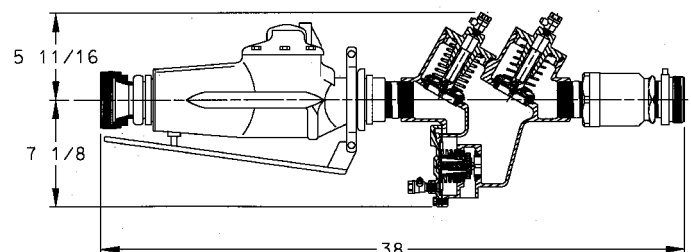
FEATURES

- Operating range for continuous flow 10-350 gpm intermittent flow 400 gpm max.
- Accuracy 100% ±1.5% of actual thruput
- Low flow 95% at 6 gpm
- Register is hermetically sealed direct reading with low flow indicator
- Meter maincase is lightweight cast aluminum alloy. Measuring chamber, straightening vanes, flow tube and rotor are thermoplastic. Radial bearing is graphite. Thrust bearings are tungsten carbide. Magnets are ceramic. Rotor shaft is chrome plated stainless steel
- Stainless steel internal strainer at inlet connection
- Meter register lid locking hasp
- Flow restriction limits flow thru meter to 400 gpm at 60 psi
- Locking device on shut-off valve
- Adjustable support rod assembly
- 2½"-7½" NST fire hose swivel couplings, female inlet, male outlet



DIMENSIONS (in.) -

WEIGHT (lbs.) Net. Wt. 63.3
Shp. Wt. 70



BACKFLOW PRODUCTS DIVISION

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