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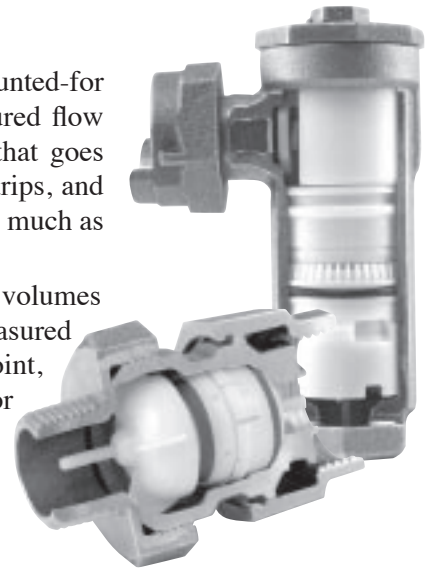
Route To:

A.Y. McDonald Introduces the UFR *Unmeasured-Flow Reducer*

The Problem-Unaccounted-For Water

Every water system has to cope with unaccounted-for water. Pipeline losses, theft, and unmeasured flow all contribute to the percentage of water that goes unmetered. Within the household, leaks, drips, and low flow devices collectively account for as much as 14% of a typical home's water usage.

A water meter is not designed to measure volumes of water that flow at very low rates. Unmeasured water is unbilled. Below a meter's design point, water can flow at a rate which can account for as much as 25,000 gallons of unbilled water annually; water that is wasted and must be treated by the public wastewater system.



UFR-The Solution

The UFR captures this low flow water and forces it through the meter in a way that causes nearly every drop to be registered by the water meter.

Losses are reduced and customers are billed for the proper amount being used.

HOW THE UFR WORKS

The UFR works by changing the way that the water flows through the water meter at low flow rates. At low flow rates there is not enough energy in the flow to activate the water meter. With a UFR installed the same flow is divided into measurable quantities of water that pass through the water meter at intervals which have enough energy to register on the meter; causing low flow water to be measured and capturing lost revenue.

At higher flow rates, the UFR operates fully opened, allowing the water to flow normally with minimal head loss. As flow is reduced, the UFR returns to its operation of batching the water flow.

The Results

UFR installations can increase the measurement of billable water between as much as five and ten percent. Payback for the UFR is less than one year.

Contact A.Y. McDonald or your Territory Manager for more information on this exciting new product today!

The Latest News



A.Y. McDonald Mfg. Co. received the Manufacturer of the Year Award of Distinction from the Dubuque Area Chamber of Commerce at their annual dinner in May. A.Y. McDonald was recognized for its longevity in and support of the Dubuque community.

Did you know...



No-lead water works brass will be required in all new installations in California effective January 1, 2010. This law was signed into law by Governor Schwarzenegger September 30, 2006. This will render standard 85-5-5-5 brass illegal throughout California in 2010 and beyond. For more information on no-lead water works brass, go to www.aymcdonald.com.

We hope you enjoy the Brass Banner!
Give us your feedback at 800-292-2737 or
sales@aymcdonald.com

New! Thermoplastic Long Yoke Box Lids with ERT Mount



In response to advancing technologies in meter reading, A.Y. McDonald Mfg. Co. now offers a plastic lid for the 76-Series Long Yoke Box. This new product delivers a great benefit to customers converting to radio read systems for reading the water meter. Radio transmission signals can be read at longer distances when traveling through plastic, than the traditional cast iron lid. Lids are available in locking and non-locking styles and can be ordered with an optional under-mount carriage to support the reading device. Ask for information today!

Feature of the Quarter Blow-Off Valves Model 6109B

A.Y. McDonald Mfg. Co. offers a 2" Blow-Off Valve with vertical inlet / outlet and access to the operating head from above. The valve has optional 2" Female National Pipe Thread or Copper Tube Size compression inlets and 2" Male National Pipe Thread outlet. The valve can be used to blow off excess air from water mains.



For more information about these and other products, visit our web site at www.aymcdonald.com

Specify THIS...

Two Piece Brass Saddles for 2" - 12" IPS or 4" - 12" C900 Water Main

A.Y. McDonald Mfg. Co. offers a complete line of brass saddles to meet your every need. Brass saddles are offered to fit 2" - 12" IPS or 4" - 12" C-900 diameter pipe with tap ranges from 1/2" through 2" (1 1/2" & 2" taps in 4" and larger diameter pipe only), both AWWA and FNPT.

- Saddles should be installed after pipe pressure testing is completed.
- Use only on PVC pipe. Make sure you have proper type and size of saddle for pipe. Reference pipe diameter, tap size and identification located on each saddle.
- Make sure saddle sealing surface on the pipe is clean, free of "nicks", gouges, or other imperfections that could cause leakage.
- DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or o-rings.
- Place saddle outlet and strap around pipe and attach together loosely using capscrews into tapped holes. Then rotate the saddle into desired position.
- McDonald saddles are NOT designed to bottom out. Alternating between each bolt, tighten to the following torques:
FOR 3/4" AND 1" THREAD SIZE OUTLETS:
 2", 2-1/2", and 3" pipe - 48 to 60 INCH-POUNDS.
 (approx. 4 to 5 lbs. pull on 12" wrench)
 4", 6", and 8" pipe - 60 to 72 INCH-POUNDS.
 (approx. 5 to 6 lbs. pull on 12" wrench)
 10" and 12" pipe - 288 to 312 INCH-POUNDS.
 (approx. 24 to 26 lbs. pull on 12" wrench)
FOR 1-1/2" AND 2" THREAD SIZE OUTLETS:
 4" and 6" pipe - 156 to 180 INCH-POUNDS.
 (approx. 13 to 15 lbs. pull on 12" wrench)
 8" pipe - 204 to 228 INCH-POUNDS.
 (approx. 17 to 19 lbs. pull on 12" wrench)
 10" and 12" pipe - 288 to 312 INCH-POUNDS.
 (approx. 24 to 26 lbs. pull on 12" wrench)
- Overtightening can cause failure of saddle or bolt.
- After the corporation stop has been installed, recheck saddle torque and tighten if necessary.
- McDonald saddles are designed to withstand water working pressure up to but not exceeding the working pressure rating of the pipe up to 200 PSIG maximum. Use only on a cold water service.
- Saddle testing should be accomplished while services are exposed and prior to backfilling.



Meet Our Employees... Jeff Weiser – Territory Manager



Jeff Weiser

Jeff started with A.Y. McDonald Mfg. Co. in 1994 after a long term stint with Stanley Flagg & Company. Jeff's territory for A.Y. McDonald covers Virginia, Maryland, Washington D.C. and parts of Pennsylvania and West Virginia. Jeff does a great job specifying McDonald products throughout his territory and is a great resource for his customers. Jeff is married to his wife, Sharon. Jeff enjoys running in his spare time and rooting for the Penn State Nittany Lions.