



AGENDA INFORMATION
TIFFIN CITY COUNCIL COMMUNICATION

DATE:	July 31, 2025
AGENDA ITEM:	Consideration of Automatic Flushing Hydrant at the West end of the Industrial Park
ACTION:	Motion

Purpose

The Kupferle Eclipse 9800 Automatic Flushing Hydrant with direct discharge is a permanent, automatic water flushing station designed primarily for cold climates. Here's what it's used for and how it works:

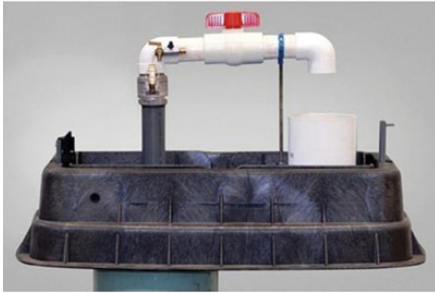
- **Maintains Water Quality:** It automatically flushes water lines to remove stagnant water, increase chlorine residuals, and prevent the formation of disinfection byproducts.
- **Improves System Efficiency:** By flushing on a scheduled basis, it helps maintain consistent water quality without manual intervention.

The estimated cost for the unit, including installation, is approximately \$6,480. Funding is available in the current Water Utility Capital Improvement Budget.

Recommendation

Staff recommend the purchase and installation of one Kupferle Eclipse 9800 Automatic Flushing Hydrant with direct discharge in the West end of the Industrial Park to proactively address water quality concerns and improve operational efficiency.

ATTACHMENTS: Quote



+ Hover to zoom | Click to enlarge

Kupferle Eclipse™ 9800 Automatic Flushing Hydrant w/ Direct Discharge, 2", 3' Bury

Item number 63237

Brand Name	Kupferle
Catalog Page	493
Net weight	80
Condition	New
Special Savings	Standard Pricing

\$6,480.00 price per each
excl. tax

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- 1 +

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Product Details

- Hydrants feature a direct discharge to a separate underground location

For over 150 years, the Kupferle Foundry Company has been making quality products for the waterworks industry. Their Eclipse line of automatic flushing hydrants is an industry standard. Automatic flushing cycles use up to 50% less water than manual flushing, and significantly reduce your labor time. These devices help improve and maintain chlorine residual levels, and flush disinfectant byproducts so your water stays fresh and safe.

Eclipse hydrants are simple to program. They allow up to 9 flushing cycles per day at up to four hours of flush time per cycle (for a total maximum of 24 hours). They operate on one 9 volt battery that lasts up to one year or 500 flushes. We offer several different types of flushing hydrants for cold or warm climates, in both permanent and temporary installation styles. Choose a 2" version for flow rates up to 150 gpm, or a 1" version for flow rates to 40 gpm. These devices are also available in no-lead versions if your state requires it. Contact USABlueBook for a quote.

The 9800 series hydrants provide a direct discharge to a separate underground location, such as a sanitary or storm sewer, or a drainage ditch. They come standard with a UV-resistant lockable enclosure and key, and are easy to permanently install on a main waterline. Devices are fully serviceable from above ground—no digging!

The all-climate version has a 3' standard bury depth and is self draining/non-freezing. Order additional bury depths, dechlorination baskets, debris flushing pipes or spare keys as needed.

For added ease of use, choose a flushing hydrant with a Bluetooth controller (# 89481), or retrofit Bluetooth into existing stations (# 89473)! The Bluetooth kit features a programmable app (free download) with the ability to add multiple automatic flushing stations. You can program multiple flushing schedules or perform a single manual flush right from your phone or tablet with a range of up to 40 feet! The Bluetooth kit includes a Bluetooth controller, solenoid, mounting hardware and instructions.

Includes: UV-resistant locking cover with key, double valve, all-brass sampling point, solenoid valve and self-contained digital controller. Shipping: Ships motor freight.

Tech Specs:

Mfr #: 9800

Description: Ideal for all climates

Flow rate: up to 150 gpm

Size: 2"