

# Eclipse i-Series #9700i

**NEW!**



Portable Intelligent  
Automatic Flushing  
Device with Built-In  
Chlorine Analyzer  
and Programmable  
Logic Control (PLC)

The Intelligent Solution for Water Distribution Systems  
**ECLIPSE**™  
*i series*

Patented  
# 6,820,635  
# 6,948,512

  
**THE KUPFERLE FOUNDRY COMPANY**  
Since 1857



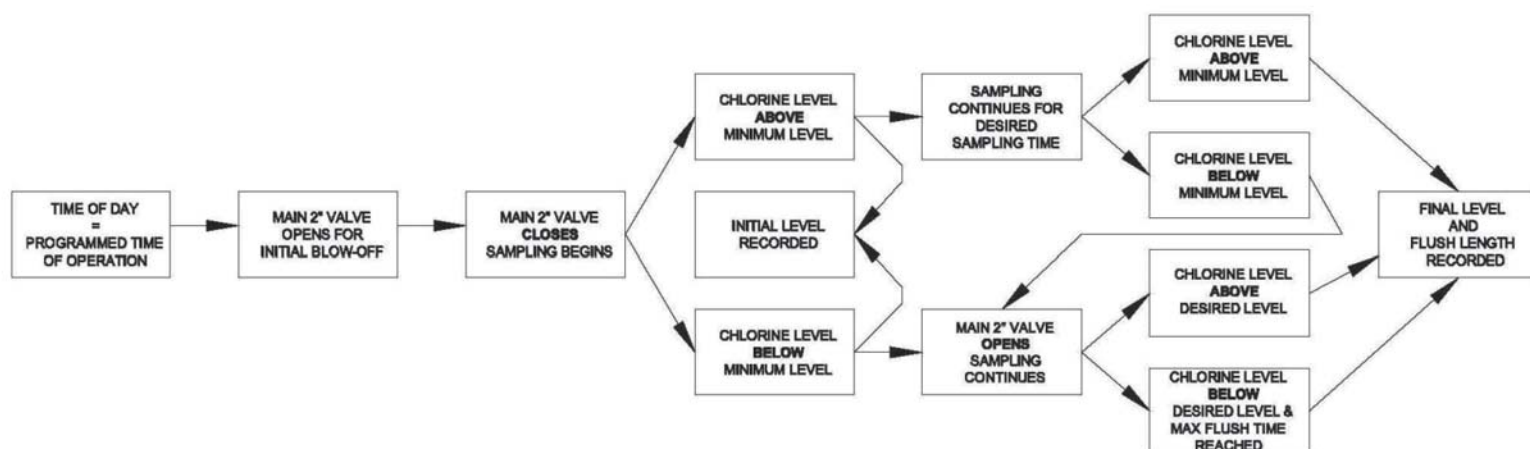
# Features

- Attaches directly to fire hydrant or any 2½" NST outlet
- Intelligent Automatic Flushing Device with 2" diaphragm, automatic fail-safe solenoid operated valve with adjustable flow rates up to 200 gpm
- Built-in amperometric chlorine analyzer (no reagents required)
- Built-in Programmable Logic Controller (PLC) w/ 2 micro SD and standard SD adapters
- Locking aluminum enclosure with adjustable support stand
- 120 VAC or 24 VDC power required (Kupferle offers a 24 VDC rechargeable battery option with lockable enclosure that attaches to the top of the unit)

# What Does It Do?

- Automatically maintains safe residuals for drinking water
- Automatically flushes when residuals fall below programmed minimum levels
- Automatically shuts off when residuals reach programmed desired levels
- Flushes exact amount of water needed for ultimate water conservation
- Records and captures all data related to residual levels and flush times
- Analyzer is free and combined chlorine compatible
- Operates on 120 VAC or 24 VDC power
- EPA approved for water conservation (*EPA Green Project Reserve Program*)

# How Does It Work?



The Eclipse 9700-i automatically captures and records all residual and flushing activity. Data can be easily retrieved and imported into pre-formatted Excel worksheets.

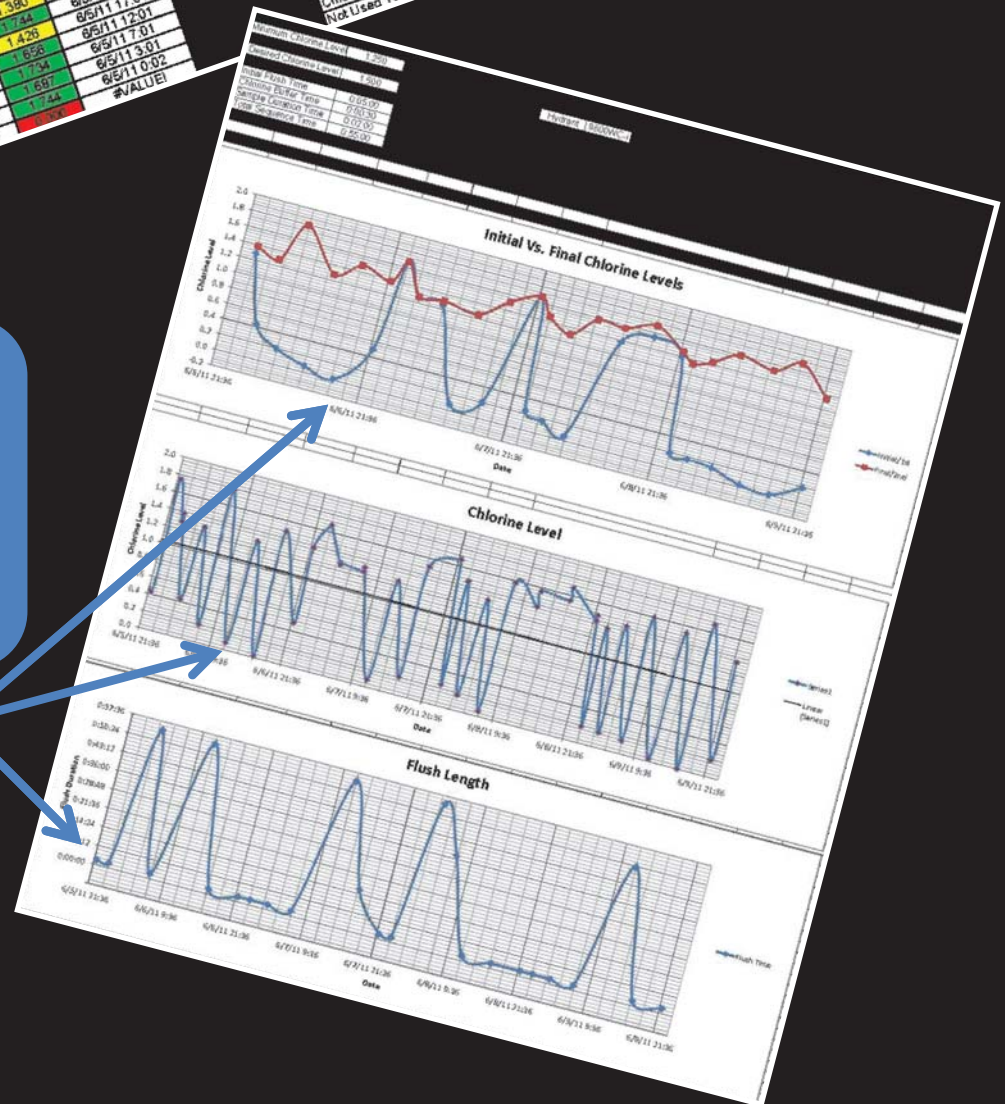
Start Date/Time	Plush Time	Initial/1st	Final/2nd	End Date/Time	3rd	4th	Status
6/9/11 21:59	02:00	0.193	1.343	6/9/11 22:01			Chlorine Level Acceptable
6/9/11 16:59	02:00	0.002	1.635	6/9/11 17:01			Chlorine Level Acceptable
6/9/11 11:59	02:00	0.029	1.519	6/9/11 12:01			Chlorine Level Acceptable
6/9/11 6:59	02:00	0.147	1.600	6/9/11 7:01			Chlorine Level Acceptable
6/9/11 2:59	02:00	0.171	1.429	6/9/11 3:01			Chlorine Level Acceptable
6/9/11 0:00	02:00	0.193	1.343	6/9/11 0:02			Chlorine Level Acceptable
6/8/11 21:59	02:00	0.193	1.458	6/8/11 22:01			Chlorine Level Acceptable
6/8/11 16:59	02:00	0.193	1.580	6/8/11 17:01			Chlorine Level Acceptable
6/8/11 11:59	02:00	0.193	1.578	6/8/11 12:01			Chlorine Level Acceptable
6/8/11 6:59	02:00	0.193	1.578	6/8/11 7:01			Chlorine Level Acceptable
6/8/11 2:59	02:00	0.193	1.578	6/8/11 3:01			Chlorine Level Acceptable
6/8/11 0:00	02:00	0.193	1.578	6/8/11 0:02			Chlorine Level Acceptable
6/7/11 21:59	02:00	0.193	1.578	6/7/11 22:01			Chlorine Level Acceptable
6/7/11 16:59	02:00	0.193	1.578	6/7/11 17:01			Chlorine Level Acceptable
6/7/11 11:59	02:00	0.193	1.578	6/7/11 12:01			Chlorine Level Acceptable
6/7/11 6:59	02:00	0.193	1.578	6/7/11 7:01			Chlorine Level Acceptable
6/7/11 2:59	02:00	0.193	1.578	6/7/11 3:01			Chlorine Level Acceptable
6/7/11 0:00	02:00	0.193	1.578	6/7/11 0:02			Chlorine Level Acceptable
6/6/11 21:59	02:00	0.193	1.578	6/6/11 22:01			Chlorine Level Acceptable
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6/5/11 2:59	02:00	0.193	1.578	6/5/11 3:01			Chlorine Level Acceptable
6/5/11 0:00	02:00	0.193	1.578	6/5/11 0:02			Chlorine Level Acceptable
#VALUE!							Not Used Yet

#### Analysis Table

- Displays all programmed information and activity regarding residuals and flushing operations and presents the imported data in an informative color coded format

#### Graphic Displays:

- Initial vs. Final residuals data
- Residual levels over time period
- Flushing duration data



#9700i



Attaches to 2 ½" NST



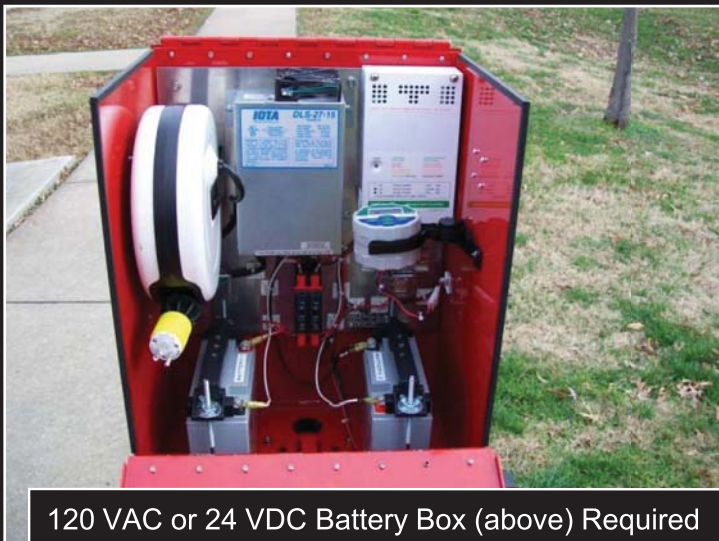
Easily Accessible Lockable Enclosures



Adjustable Support Leg /  
Optional Collar Lock



PLC & Amperometric Analyzer



120 VAC or 24 VDC Battery Box (above) Required



2" Solenoid Operated Valve (200 gpm max)



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