



Eclipse #9800WC-3

Automatic Flushing Station

For Warm Climates



FEATURES

- Adjustable 3" flushing valve with maximum 300 gpm / 220 psi
- Stainless steel quick disconnect for easy maintenance
- Duckbill check valve for backflow prevention and discharge
- Stainless steel sampling point and cap (sampling rod required, sold separately)
- Solenoid-operated hand-held controller powered by 9-volt batteries (two batteries)
- UV resistant lockable enclosure
- Optional BLUETOOTH controller with free downloadable phone app



Digital controller allows multiple flushing cycles per day. Operates on two 9-volt batteries



Optional BLUETOOTH controller allows for multiple flushing cycles per day. Operates on a 9-volt battery

www.hydrants.com

1-800-231-3990



All About Kupferle

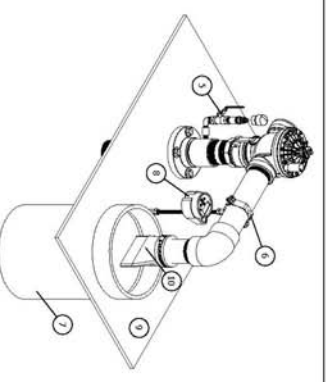
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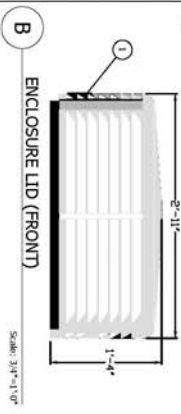


See Product Video at:
www.hydrants.com

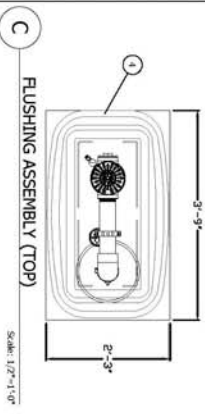
#9800WC-3 AUTOMATIC FLUSHING STATION SPEC SHEET



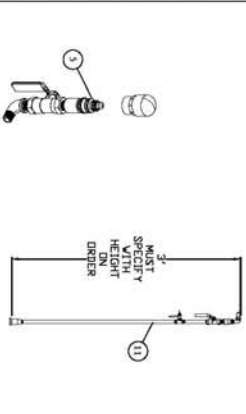
A 9800WC-3 FLUSHING ASSEMBLY ISO
Scale: 3/4"=1'-0"



B ENCLOSURE LID (FRONT)
Scale: 3/4"=1'-0"

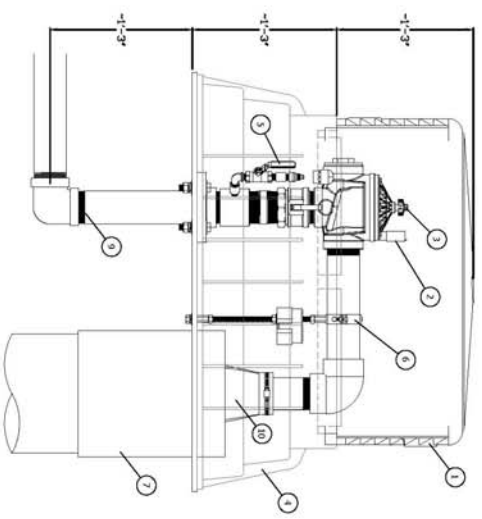


C FLUSHING ASSEMBLY (TOP)
Scale: 1/2"=1'-0"



D1 SAMPLING POINT
Scale: 1 1/2"=1'-0"

D2 SAMPLING ROD
Scale: 1/2"=1'-0"



1 9800WC-3 FLUSHING ASSEMBLY
Scale: 1"=1'-0"

Automatic Flushing Station (AFS) shall be installed in the following location(s) -----

Automatic flushing station shall have a 3" stainless steel NPT inlet that will lead vertically through a pair of stainless steel quick disconnects to the 3" automatic flushing valve. The flushing valve shall control the flow of the water through the hydrant and its diaphragm with the extension and retraction of a DC latching solenoid. The valve shall have a 220 PSI rating. All flushed water shall be discharged via a duck bill to reduce the residual water spray in the enclosure. Each unit shall be furnished with a stand alone valve controller. The valve controller will not require a second hand-held device for programming. Controller must have a minimum of 12 possible flushing cycles per day. Controller shall be submersible up to 12 feet, operate with two 9 volt batteries, and have resin sealed electrical components. The solenoid shall have no loose parts when removed from the valve.

The removal of the 3" valve shall be possible via a pair of above-ground stainless steel quick disconnects to allow for easy removal of all the operating parts of the hydrant. The flushing valve shall be installed to allow the removal of the solenoid and cap for routine maintenance purposes.

Each unit shall have a dedicated sampling point on the hydrant located before the 3" flushing valve. To perform sampling, a portable rod with a female coupler will thread onto the s.s. male spring loaded piston valve (#5) connected to the meter section. This connection shall require a turning motion only, with no pushing or pulling necessary. Male valve shall be located before the water meter, have an auxiliary shut-off valve, and be protected by a PVC or brass cover when not in use.

Unit shall allow for the installation of dechlorination options.

Valve assembly shall be installed and anchored to a concrete pad with the UV resistant lockable housing enclosure, with a removable cover, anchored to either the valve assembly, flow or to the concrete pad itself.

Unit model # shall be 9800WC-3 as manufactured by Kupferle Foundry Company, St. Louis MO, or approved equal.

IMPORTANT INSTALLATION NOTES

INSTALLATION OF THE UNIT SHALL BE CAREFULLY PERFORMED ENSURING THAT THE FLUSHING STATION IS PROPERLY AND SECURELY ANCHORED TO A CONCRETE PAD (NOT SHOWN ON DRAWING).

BASE AND COVER TO BE INSTALLED AFTER THE FLUSHING ASSEMBLY. MUNICIPALITY OR CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE DISCHARGED WATER TO ENSURE IT IS PROPERLY ACCOUNTED FOR AND THE APPROPRIATE OUTLET IS PROVIDED. ANY NECESSARY DIFFUSION OF THE DISCHARGED WATER, NEEDED TO PROTECT THE OUTLET SPRING, SHALL BE INCLUDED IN THE DESIGN BY THE MUNICIPALITY OR CONTRACTOR TO ALLOW FOR MAXIMUM FLOW.

SAMPLING ROD SOLD SEPARATELY.

GENERAL HYDRANT SPECIFICATIONS	
MINIMUM OPERATING PRESSURE	80 PSI
HYDRANT MATERIALS	304, 316, AND 316L STAINLESS STEEL
ENCLOSURE MATERIALS	UV RESISTANT PLASTIC
ENCLOSURE COLOR	BLACK WITH WHITE OPEN TOP
DEPTH OF BUILT	4"
FLOW RATE	150-200 GPM

ITEM	DESCRIPTION	NOTES
1	10" RESIN/UV LOCKED LID	
2	DC LATCHING SOLENOID VALVE	
3	3" AUTOMATIC FLUSHING VALVE	
4	VALVE CONTROLLER	
5	SAMPLING ASSEMBLY	OPTIONAL
6	3" PIPE CLAMP	
7	3" HOSE END FIT	
8	3" HOSE END FIT	
9	3" HOSE END FIT	
10	3" HOSE END FIT	
11	3" HOSE END FIT	


OTHER SPECIFICATIONS AVAILABLE UPON REQUEST

DATE	ISSUED FOR	STATUS / REVISION

PATENTED

NOTES	
A	FOR FURTHER REQUIREMENTS THE INSTALLATION OF A PEE TROD ON THE BROWN PART OF THE HYDRANT.
B	BRONZING OF THE BROWN PART OF THE HYDRANT IS NOT REQUIRED. TO HANDLE FINAL FLUID APPROPRIATELY, UNRESINIZED DUCTILE IRON RESULT IN RESINUAL SEALING.

9800WC-3 SPEC SHEET	REVISED DATE	11/26/18
	DESIGNED BY	XXX
	CHECKED BY	XXX
	SCALE	VARIES
	SHEET SIZE	11x17
	SHEET NO.	1 OF 1



KUPFERLE
SINCE 1857

2511 NORTH 9TH STREET
ST. LOUIS, MO 63102
1-800-231-3990
FAX 314-231-2820
www.hydrants.com



2511 North 9th Street | St. Louis, MO 63102 | **800-231-3990** | www.hydrants.com | info@hydrants.com