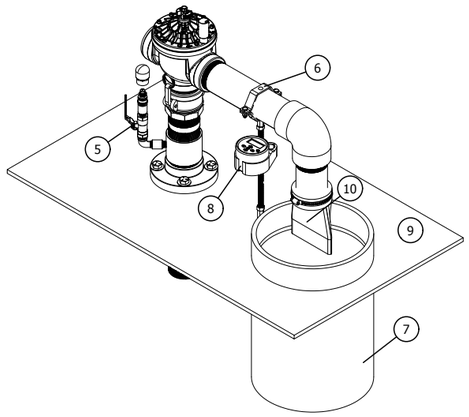
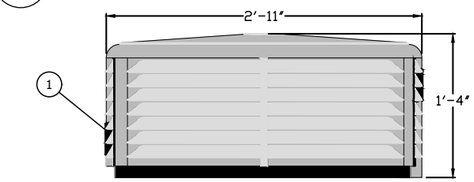
#9800WC-3 AUTOMATIC FLUSHING STATION SPEC SHEET



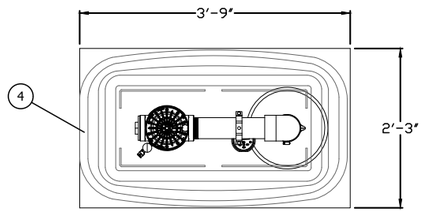
A 9800WC-3 FLUSHING ASSEMBLY ISO

Scale: 3/4"=1'-0"



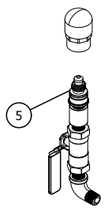
B ENCLOSURE LID (FRONT)

Scale: 3/4"=1'-0"



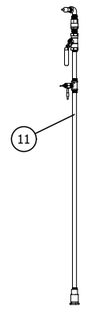
C FLUSHING ASSEMBLY (TOP)

Scale: 1/2"=1'-0"



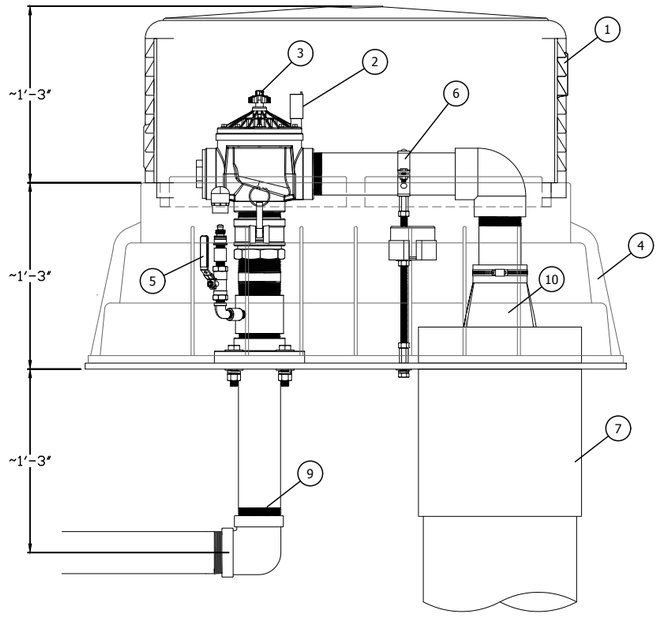
D1 SAMPLING POINT

Scale: 1-1/2"=1'-0"



D2 SAMPLING ROD

Scale: 1/2"=1'-0"



1 9800WC-3 FLUSHING ASSEMBLY

Scale: 1"=1'-0"

GENERAL HYDRANT SPECIFICATIONS	
MAXIMUM OPERATING PRESSURE:	220 PSI
HYDRANT MATERIALS:	303, 316, AND 18-8 STAINLESS STEEL, SCH. 80 PVC
ENCLOSURE MATERIAL:	UV RESISTANT PLASTIC
ENCLOSURE COLOR:	BLACK BASE WITH GREEN LID
WETTED MATERIALS:	SCH. 80 PVC, TEFLON, EPDM, 316 S.S.
DEPTH OF BURY:	~1'
FLOW RATE:	150-300 GPM

OTHER SPECIFICATIONS AVAILABLE UPON REQUEST

ITEM	DESCRIPTION	NOTES
1	UV RESISTANT LOCKABLE LID	
2	DC LATCHING SOLENOID	
3	3" AUTOMATIC FLUSHING VALVE	
4	UV RESISTANT BASE	
5	SAMPLING ASSEMBLY	OPTIONAL
6	3" PIPE CLAMP	
7	12" SEWER PIPE OUTLET	
8	AUTOMATIC CONTROLLER	
9	3" MIP INLET	
10	3" DUCKBILL CHECK VALVE	
11	SAMPLING ROD (SOLD SEPARATELY)	

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 PIPING, SHALL BE INCLUDED IN THE DESIGN BY THE MUNICIPALITY OR CONTRACTOR TO ALLOW FOR MAXIMUM FLOW.

SAMPLING ROD SOLD SEPARATELY.

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

Automatic flushing station shall have a 3" stainless steel MIP 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 directed 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 at 45° 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.

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.

NOTES	
A	PIPING BY OTHERS
B	KUPFERLE RECOMMENDS THE INSTALLATION OF A PEE TRAP ON THE DRAIN PART OF THE HYDRANT.
C	GROUND LINE MAY VARY
D	DRAIN TO BE DESIGNED TO HANDLE FULL FLOW APPROPRIATELY, UNDERSIZED OUTLET MAY RESULT IN RESIDUAL SPLASHING

DATE	STATUS / REVISION
DD/MM/YY	ISSUED FOR …

PATENTED

	INITIALS	DATE
DRAWN	DCL	11/26/18
APPROVED	XXX	XXX
MODIFIED		

#9800WC-3 SPEC SHEET

SHEET SIZE B (11x17)

SCALE VARIES

KUPFERLE Since 1857

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