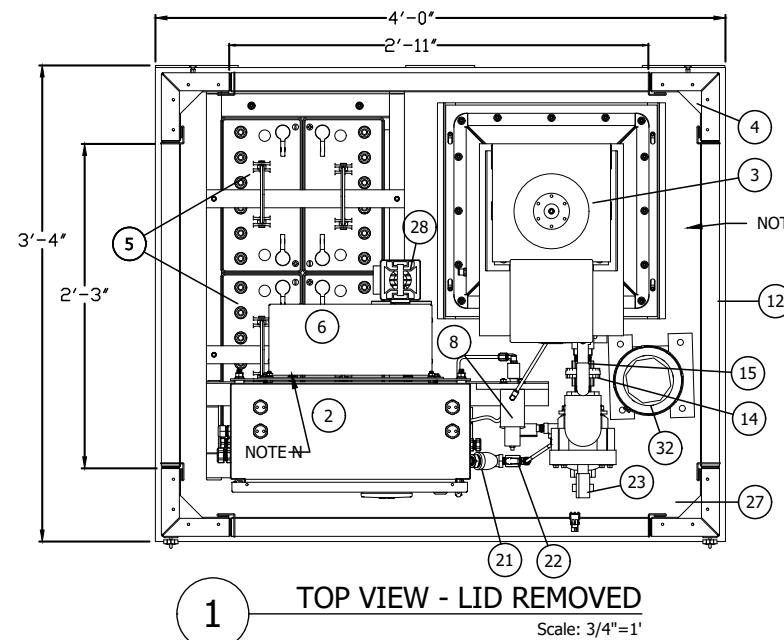
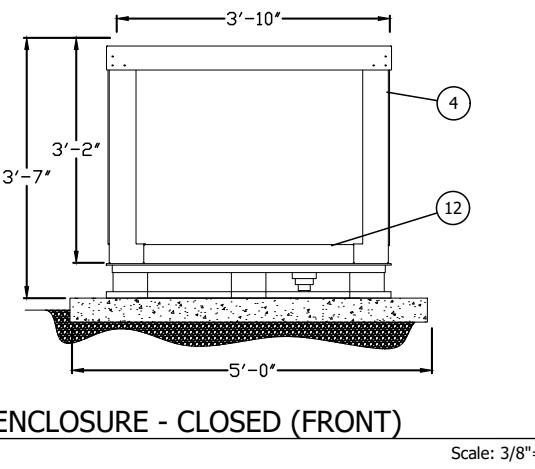


#9800i-WC-24H, #9800i-R9-24H, #9800i-CC-24H : INTELLIGENT PERMANENT FLUSHING STATION



i-SERIES PRODUCT ORDERING GUIDE																	
MODEL #	9800i	*	**	-	24H	-	0	*	-	A	*	*	*				
SUBSECTION	1	2	3	4	5	6	7	8	9	10	11						
MODEL SHOWN IN VIEW 1: 9800i-CC-24H-0-A-X-A-AD																	
SUBSECTION DESCRIPTION	MODEL #	SUBSECTION	OPTIONS	DESCRIPTIONS													
CLIMATE	2			9800i	PERMANENT i-SERIES HYDRANT												
POWER	3		24H	WC	WARM CLIMATES												
DEPTH OF BURY	4			R9	INSULATED BUT NOT HEATED (MODERATE CLIMATES)												
COMMUNICATION	5			CC	COLD CLIMATES												
BACKFLOW PREVENTION	6			24V DC, 216 AMP HOUR DEEP CYCLE GEL BATTERIES	WITH HYDRO RECHARGING												
PRESSURE SENSOR	7			0	N/A												
SENSORS	8	9	10	11	12 : 15 - ADDITIONAL SENSORS #5 : #8	A - FREE CHLORINE B - COMBINED CHLORINE C - TOTAL CHLORINE D - pH E - TURBIDITY F - ORP G - CONDUCTIVITY	H - DISSOLVED OXYGEN I - FLUORIDE J - DISSOLVED OZONE K - CHLORINE DIOXIDE L - PERACETIC ACID M - HYDROGEN PEROXIDE X - CUSTOM (CALL)	CHOOSE UP TO 4 SENSORS FOR SUBSECTIONS 8-11. LEAVE UNUSED SUBSECTIONS BLANK.									

PLEASE SEE CUT SHEET FOR UPGRADES AND AVAILABLE OPTIONS

GENERAL SENSOR SPECIFICATIONS	
VOLTAGE:	BUS POWERED (5 VDC)
COMMUNICATIONS:	SERIAL 485
CONNECTIONS:	M8-5 IP67/68

CHLORINE SENSOR SPECIFICATIONS	
MEASURING RANGE:	0.00 to 5.00 PPM
WETTED MATERIALS:	PVC, TEFLO, VITON, EPDM, RYTON
RESOLUTION:	0.01 PPM
POWER:	40 mW

WATER TEMPERATURE SPECIFICATIONS	
MEASURING RANGE:	23 TO 131°F
TEMPERATURE INPUT:	PT100 RTD W/ AUTOMATIC COMPENSATION

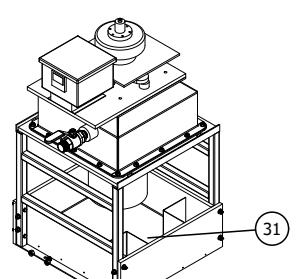
ELECTRICAL SPECIFICATIONS	
VOLTAGE:	24 VDC
BATTERY SIZE:	216 AMP HOURS
CIRCUIT BREAKERS:	(3) 2 POLE, 63 AMP, (1) 2 POLE, 4 AMP

PLC SPECIFICATIONS	
OPERATING VOLTAGE:	20.4 - 28.8 VDC
POWER CONSUMPTION:	215 mA @ 24 VDC
INPUTS:	(10) 24 VDC
ANALOG INPUTS:	(2) : 10-BIT RESOLUTION, 4-20 mA
OUTPUTS:	(6) : INDIVIDUALLY ISOLATED RELAY
NON-VOLATILE MEMORY:	120K DYNAMIC DATA
REMOVABLE MEMORY:	STANDARD MICRO SD CARDS (UP TO 32 GB)
COMMUNICATIONS:	RS-232 OR RS 485 PORT AND OPTIONAL ETHERNET/IP

OTHER SPECIFICATIONS	
MAX PRESSURE:	220 PSI
SAMPLE FLOW RATE:	1 FLOWCELL: UP TO ~10 GALLONS PER HOUR
FLUSH FLOW RATE:	UP TO ~80 GPM
WEIGHT:	~610 LBS
MINIMUM TEMPERATURE DESIGN:	WC: 5°C OR 41°F R9: 0°C OR 32°F CC: -23°C OR -10°F
CERTIFICATIONS:	AIS, ARRA, NSF/ANSI 372

OTHER SPECIFICATIONS AVAILABLE UPON REQUEST

ITEM	DESCRIPTION
1	PROGRAMMABLE LOGIC CONTROLLER (PLC)
2	ELECTRICAL CONTROL ENCLOSURE
3	TURBINE
4	ENCLOSURE POST
5	BATTERY HOLDER STAND AND BATTERIES
6	RESISTOR PLATE WITH PROTECTIVE CAGE
7	2" FLUSHING VALVE
8	NODE BASED FLOWCELL
9	ADJUSTABLE FLOW CELL
10	DIRECT DISCHARGE ASSEMBLY
11	SAMPLING VALVE
12	DOOR KICK PLATE
13	DEDICATED SAMPLE POINT
14	1" PVC UNION
15	1" BALL VALVE
16	DIVERSION CONTROLLERS
17	DISTRIBUTION BLOCKS
18	CIRCUIT BREAKERS
19	DC VOLTAGE REGULATOR
20	LOW VOLTAGE ALARM RELAY
21	Y-STRAINER
22	SAMPLING BALL VALVE
23	DC LATCHING SOLENOID
24	PLASTIC PALLETS BASE
25	2" S.S. QUICK DISCONNECT
26	PRESSURE GAUGE
27	TERMOSWITCH (CC ONLY)
28	HIGH EFFICIENCY FAN HEATER (CC ONLY)
29	CELLULAR ANTENNA
30	ANALOG PRESSURE SENSOR (UPGRADE)
31	DECHLORE SCREEN (UPGRADE)
32	DECHLORE SIPHON FEEDER (UPGRADE)



E DECHLORE SCREEN

Scale: 1/2"=1'

D ELECTRICAL ENCLOSURE SUBPANEL - OPEN

Scale: 1"=1'

DATE

STATUS / REVISION

NOTES
A NOT ALL WIRES AND PIPING SHOWN FOR CLARITY PURPOSES.
D PVC SLEEVE TO BE INSTALLED AROUND PIPING.
G ITEM TO BE PROVIDED BY OTHERS.
J KUPFERLE RECOMMENDS INLET PIPE TO BE WRAPPED WITH FOAM RUBBER PIPE INSULATION WITH AN R-RATING OF 6.7 RANGE.
K STATION SHOULD BE MOUNTED LEVEL TO ALLOW THE TURBINE TO RUN SMOOTHLY.
L THREE INCH KICK PLATES INSTALLED BETWEEN POSTS TO REDUCE DEBRIS IN THE ENCLOSURE AND TO REDUCE HEAT LOSS.
M EXPANDING SPRAY FOAM INSULATION TO BE SPRAYED UNDER THE ENCLOSURE AFTER INSTALLATION.
N AT NO TIME SHOULD ANYTHING BE STORED ON TOP OF THE RESISTOR CAGE, DOING SO MAY RESULT IN A FIRE AND VOID THE WARRANTY.
P KUPFERLE RECOMMENDS THE INSTALLATION OF A 8" DWV P TRAP.
R KUPFERLE RECOMMENDS SEALING AROUND THE INLET HOLE TO PREVENT RODENTS FROM ENTERING THE ENCLOSURE.
S THE AIR GAP SHALL BE 1.5" MINIMUM STANDARD

MODBUS SENSOR RESOLUTIONS	
CHLORINE SENSOR RESOLUTION (ALL TYPES):	0.01 PPM
pH SENSOR RESOLUTION:	0.01
TURBIDITY SENSOR RESOLUTION:	0.01 NTU
ORP SENSOR RESOLUTION:	1 mV
CONDUCTIVITY SENSOR RESOLUTION:	1 μ S
DISSOLVED OXYGEN SENSOR RESOLUTION:	0.01 PPM
FLUORIDE SENSOR RESOLUTION:	0.01 PPM

#9800i-***-24H SPEC SHEET

SHEET SIZE
B (11x17)

SCALE
VARIES

INITIALS

DRAWN

DATE

12/10/25

APPROVED

DCL

MODIFIED

12/29/25



SHEET 1 OF 1