

IMPORTANT INFORMATION: KEEP WITH PUMP

DANGER: RISK OF ELECTRICAL SHOCK. All settings must be performed with the unit unplugged. Always disconnect power cord prior to removing cover.

WARNING: All BDF series metering pumps are equipped with a safety interlock switch, ensuring that all of the electrical supply is disconnected from the timer board in the event the cover is removed without unplugging unit. **DO NOT** tamper or alter this switch in any way. Failure to follow this warning will void the product warranty and possibly result in personal injury or property damage.

WARNING: The electrical components of the BDF series pumps are not user serviceable. Consult the factory for repair or a list of authorized Stenner repair facilities. The plug end of the power cord should never be removed or modified. Failure to follow this warning will void the product warranty and possibly result in personal injury or property damage.

Manufacturer recommends periodic inspection of the pump and a regular tube change schedule to prevent chemical damage to pump or chemical spillage. Precautions to any possible electrical surges/lightning strikes, and water intrusion are recommended and will help to prevent damage to the electronics. The use of a GFIC is recommended.

SET-UP/FUNCTION DEFINITIONS

- **Dose Day** – A day of the week represented by a dip switch (#1-7) equal to the day the timer is originally programmed (Initial Setup=Day 1). *Dose Day* is used **ONLY** for applications requiring the 7-day timer.
- **Dose Event** – The dose episode represented by the dip switch that corresponds with the hour of the day.
- **Daily Dose Schedule** – The hour of the day (*Dose Event*) that a dose is required to be dispensed.
- **Dose Amount** – The total volume output programmed per event. The dose amount is dispensed according to the *Dose Event* schedule.

Refer to the Output Chart for the dose amount and dose event for your particular model number.

Model Number	Timer	Max. psi	Min. oz event/hour	Max. oz event/hour	Min. ml per event/hour	Max. ml per event/hour	Max. GPD
25BDF1	24-hour	25	0.06	1.3	2.0	39.0	0.3
25BDF2	24-hour	25	0.20	4.5	6.0	134.0	1.0
25BDF3	24-hour	25	0.50	10.0	14.0	302.0	2.0
25BDF4	24-hour	25	0.70	15.0	21.0	449.0	3.0
25BDF5	24-hour	25	1.00	21.0	30.0	625.0	4.0
25BDF1HP	24-hour	100	0.06	1.3	2.0	39.0	0.3
25BDF2HP	24-hour	100	0.20	4.5	6.0	134.0	1.0
25BDF1-7	7-day	25	0.06	1.3	2.0	39.0	0.3
25BDF2-7	7-day	25	0.20	4.5	6.0	134.0	1.0
25BDF3-7	7-day	25	0.50	10.0	14.0	302.0	2.0
25BDF4-7	7-day	25	0.70	15.0	21.0	449.0	3.0
25BDF5-7	7-day	25	1.00	21.0	30.0	625.0	4.0
25BDF1HP-7	7-day	100	0.06	1.3	2.0	39.0	0.3
25BDF2HP-7	7-day	100	0.20	4.5	6.0	134.0	1.0

BDF SERIES PROGRAMMING INSTRUCTIONS : 7-DAY AND 24-HOUR TIMER

ON = Dip switch in the UP position
 OFF = Dip switch in the DOWN position
 LH = Left-hand side of circuit board

DO NOT PLUG POWER CORD INTO RECEPTACLE.

REMOVE 4 screws and cover. All dip switches should be down.

CONNECT the supplied 9-volt battery. The green LED should illuminate and if it doesn't, replace the battery. Battery only retains the time of day and will not run the dosing pump if AC power is lost.

SET THE TIME OF DAY:
1st bank of switches = 1 AM to Noon.
2nd bank = 12 PM to Midnight.

- Set all dip switches down. Green LED should turn on.
- Push the dip switch up to set the time of day to the nearest hour. Green LED turns off.

THE TIME OF DAY IS NOW SET. (To erase the setting, push all dip switches down and repeat above steps.)

FOR 7-DAY TIMER ONLY

Switches 1-7 in the first bank of switches (labeled "AM hours" at top/LH bank) represent the days of the week. Switch 1 represents the day you initially activate the timer.

1. Press and hold the red prime switch for 5 seconds until green LED flashes which indicates the "day of the week" programming is active.
2. Push the dip switches up to represent the days of the week you want the pump to dose. Switch #1 represents the day you initially program the pump.
3. Press red prime switch to record the day settings. Green LED turns off.

7-DAY TIMER IS SET.

SELECT THE DOSE AMOUNT FOR EACH DOSE EVENT: Use the 3rd bank of six switches labeled DOSE.

- Push the dip switches up that together equal the dose amount desired per event. Switches in the up position are cumulative.

Example: $1+3+5=9$ dose amounts. All switches (1-6) in the up position equal 21 dose amounts. The maximum dosage rate = 24 Dose Events per day or 1 per hour.

Refer to the Output Chart for the "Dose per Event" for your particular model number.

THE BDF IS NOW READY.

PRESS the red prime button for a 60-second prime cycle. Press red prime button again to discontinue. Unit will shut off after 60 seconds. If additional priming is required, press red prime button as many times as required to fully prime.

PLUG THE UNIT INTO A PROPERLY GROUNDED RECEPTACLE.

INSTALL the cover and REPLACE the four screws.

SELECT THE DAILY DOSE SCHEDULE OF DOSE EVENTS IN HOURS

- Leave programmed dose amount switch up. **Important:** Do not set all daily dose switches to down position; this will erase the previously set time of day.
- With time of day switch still in up position, push the dip switches up to correspond with the hours of day that the pump will dose. **ONLY** push time of day switch down if no dosing is to be scheduled for that hour.

NOTE:

- **7-Day Timer Model:** If also used for everyday dosing, first set all days of the week to ON and the unit will function like the 24-hour model. If AC power is lost and battery backup fails, the unit will default to Off state when power is reapplied. Unplug the unit, replace the battery and reprogram all settings.

- **24-Hour Model:** Disregard 7-day timer programming steps. If AC power is lost and battery backup fails, when power is restored the time of day will default to 12 PM and the pump will resume the dose schedule and dose amounts. If the dose schedule needs to match the actual time of day, unplug the unit, replace the battery and reprogram all settings.