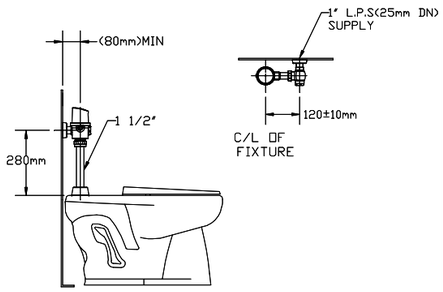
CF126DF Closet Electronic Flushometer
Installation, Maintenance & Operation Instructions

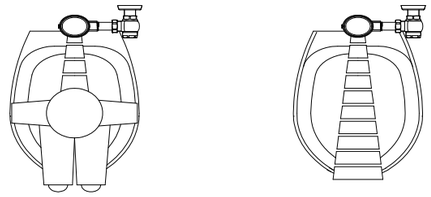
■ Stand Installation



■ Specification

Product description	Closet Electronic Flushometer
Material of casing	Chrome plated brass casting
Power Supply	4 Alkaline AA-Size Batteries
Power consumption	3W or less
Sensing distance	40 - 80cm
Different Flushing Volume	1.28 / 1.6 / 2.4 GPF (adjustable)
Min. Detection Time	5 seconds
Flush Delay	3 seconds
Applicable water pressure	1-7 Kgf/ cm^2 (15 PSI ~ 100 PSI)
Water outlet Pipe bore	1 1/2"
Water inlet pipe diameter	PT 1"
Applicable room temperature	4℃-45℃
Applicable water temperature	4℃-65℃ (no icing up)

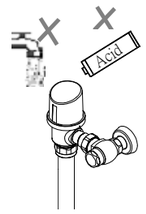
■ How to use



1. A continuous invisible light beam is emitted from the CF126 sensor. As the user enters the beam's effective range (40-80cm) more than 5 seconds, the output circuit continues in a "hold" mode for as long as the user remains within the effective range of the sensor.

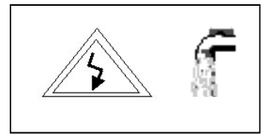
2. When the user steps away from the CF126, the circuit initiates a flushing cycle to flush the fixture. The circuit then automatically resets and is ready the next user.

■ Cautions



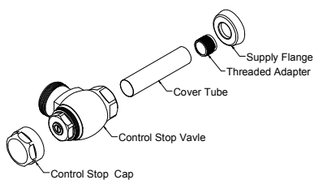
1. Keep the display panel clean at all times to prevent sensor from sensing properly.
2. Do not put cigarette butts or other objects on the casing.
3. Do not spray water or wash the casing with abrasive or chemical cleaners as it may result in short-circuit or discolor/remove chrome plating. Wipe off stain with a damp cloth.

■ Installation and cautions

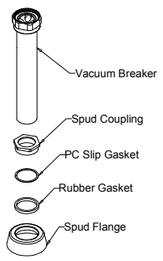


1. Check water supply
a. Make sure the water pipe is not clogged up.
b. Make sure to turn off water supply before installation.

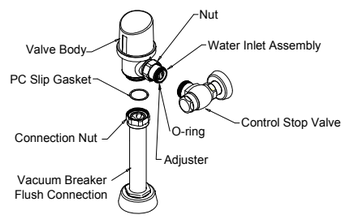
■ Installation and cautions



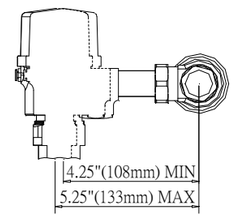
2. Install water stop valve
a. Solder threaded adapter onto water inlet pipe coming from the wall.(if needed)
b. Insert the supply flange and cover tube over the adapter. Tighten the set screw.
c. Control stop cap to control stop valve assembly. Valve cap to water stop assembly.



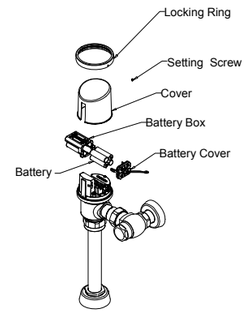
3. Install vacuum breaker flush connection
a. Insert spud flange, PC slip gasket, rubber gasket and spudcoupling through vacuum breaker tube.
b. Insert vacuum breaker tube into water inlet.



4. Install flush valve body
a. Wet O-ring seal with water to lubricate .
b. Insert water inlet assembly to water stop assembly.
c. Join nut to water stop assembly.
d. Align flush valve body with vacuum breaker flush connection.
e. Tighten nut with hand.

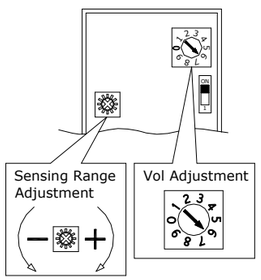


5. Adjust distance to wall pipe
a. Regular distance between water stop valve and water inlet main unit is 4 3/4" (121mm).
b. Range of adjustable distance from nominal extend or shorten with 1/2"(12.5mm).
c. Rotate the threaded Adapter sleeve onto the Tailpiece to position the Stop Coupling Nut.



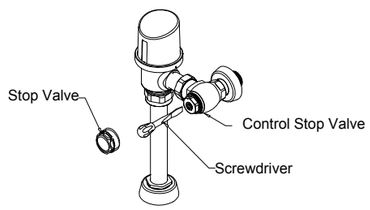
6. Install Batteries & Test Operation
a.Loosen the screw with a Hexagonal wrench to remove the Locking Ring .
b.Remove the battery cover, install Alkaline AA size batteries as illustrated. Turn on the water supply and begin the Operation Test.
c.If it is required to adjust sensing range, refer to Adjustment Instructions (1). If it is required to adjust flushing time, refer to Adjustment Instructions (2).
d.Reinstall the Cover and Locking Ring in reverse order after running the test successfully.
e.This completes the Operation Test.
*** It's normal to see continuous flushing before the batteries are installed; it will stop once the batteries are completely installed.**

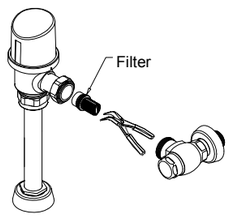
■ Adjustment



SW	Flush Volume	
0	Dual Flush (1.1GPF/1.6GPF)	
1	4.8 LPF	1.28 GPF
2	4.8 LPF	1.28 GPF
3	4.8 LPF	1.28 GPF
4	6.0 LPF	1.6 GPF
5	6.0 LPF	1.6 GPF
6	6.0 LPF	1.6 GPF ◄Factory setting
7	9.0 LPF	2.4 GPF
8	9.0 LPF	2.4 GPF
9	9.0 LPF	2.4 GPF

※ If the detection time is longer than the one minute, the output circuit activates a full flush(1.6 GPF), otherwise activates a partial flush(1.1 GPF).





(1) Sensing range adjustment
Use a slot-head screwdriver to adjust the variable resistor in the hole. Turn anticlockwise to shorten sensing distance, or clockwise to lengthen it. The factory default setting is 60 cm. DO NOT make adjustment unless necessary.

(2) Flush time adjustment (Flush volume adjustment)
Since the water pressures and closet models may differ in different locations, please refer to the above chart to adjust to the appropriate flush time to receive the best result.

(3) Flush volume adjustment
a. Use a slotted screwdriver to turn Control Stop Cap counter clockwise to increase the volume.
b. Turn clockwise to decrease the volume.

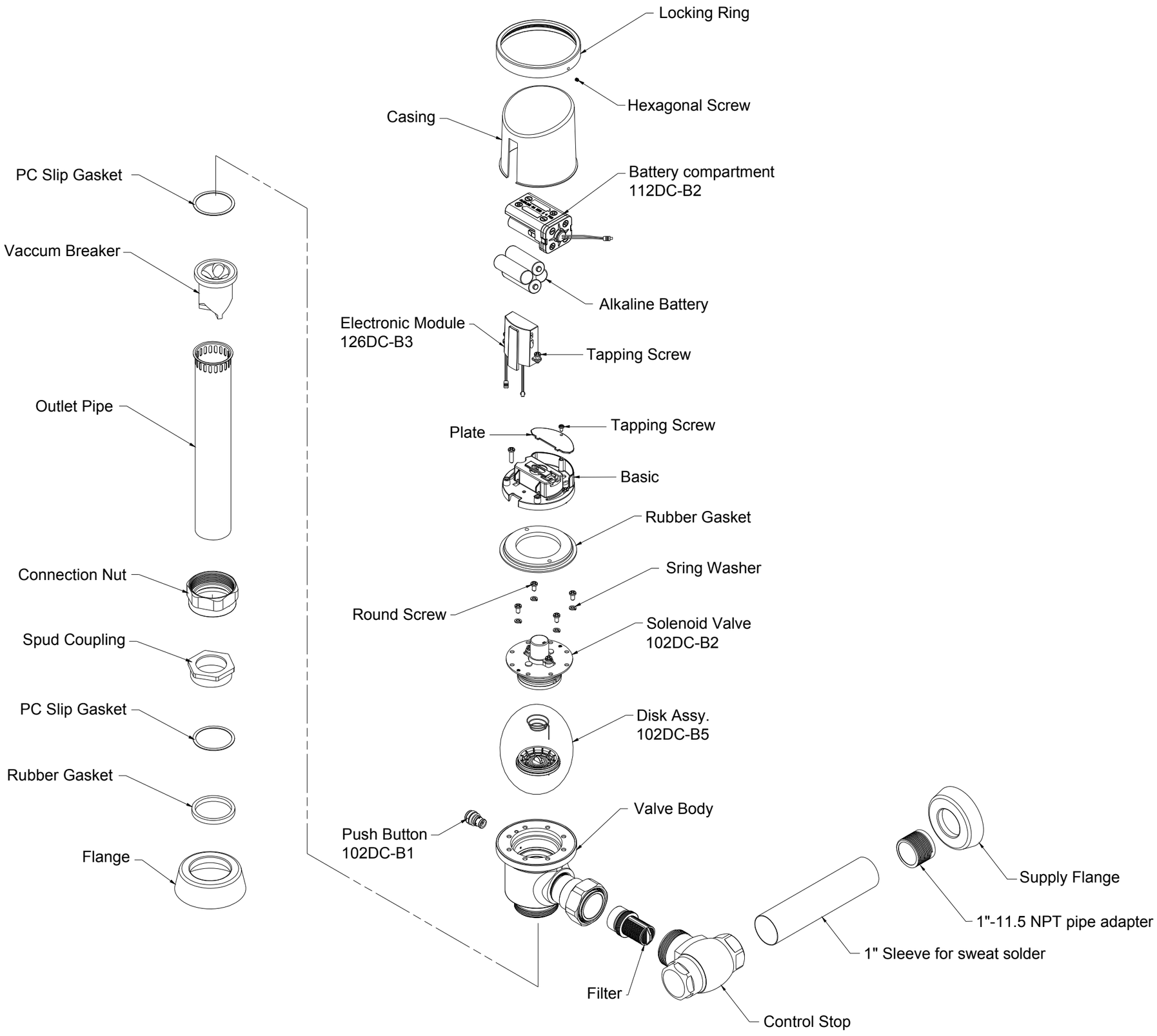
(4) Clean filter screen
Poor water quality will result in obstructed and reduced flow. This may be reduced by cleaning the filter regularly. To do so, turn off water supply (you can use a slotted screwdriver to turn the flow adjust shaft clockwise). Remove the filter unit with the Pliers as illustrated, place the filter back after cleaning.

■ Troubleshooting

Trouble	Possible cause	Troubleshooting
Red lamp flashing	1. Weak battery	Replace battery (Alkaline Battery)
No flushing (Red lamp does not light on during sensing process)	1. Dirty sensor window	Wipe sensor window with tissue paper
	2. Sensing distance too long	Shorten sensing distance
	3. Control circuit failure	Replace control circuit
No flushing (Red lamp flashes on and off during sensing process)	1. Water faucet not turned on	Check water supply
	2. Solenoid terminal loosened	Re-connect solenoid terminal
	3. Solenoid failure	Replace solenoid
	4. Control circuit failure	Replace control circuit
Water keeps running	1. Solenoid diaphragm obstructed	Clean solenoid diaphragm
	2. Manual knob defective	Replace manual knob
	3. Control circuit failure	Replace control circuit
Water flow too weak	1. Water inflow too weak	Adjust valve to increase water flow
	2. Filter valve obstructed	Clean filter valve

* Make sure to locate the trouble, and refer to the list for troubleshooting.
* Make sure to use **Alkaline Battery**.

■ **Parts List**


Locking Ring
Hexagonal Screw
Casing
Battery compartment
112DC-B2
Alkaline Battery
Electronic Module
126DC-B3
Tapping Screw
Plate
Tapping Screw
Basic
Rubber Gasket
Sring Washer
Round Screw
Solenoid Valve
102DC-B2
Disk Assy.
102DC-B5
Valve Body
Push Button
102DC-B1
Supply Flange
1"-11.5 NPT pipe adapter
1" Sleeve for sweat solder
Filter
Control Stop
PC Slip Gasket
Vaccum Breaker
Outlet Pipe
Connection Nut
Spud Coupling
PC Slip Gasket
Rubber Gasket
Flange