UF514AC / UF515AC
Urinal Flusher Installation Instructions

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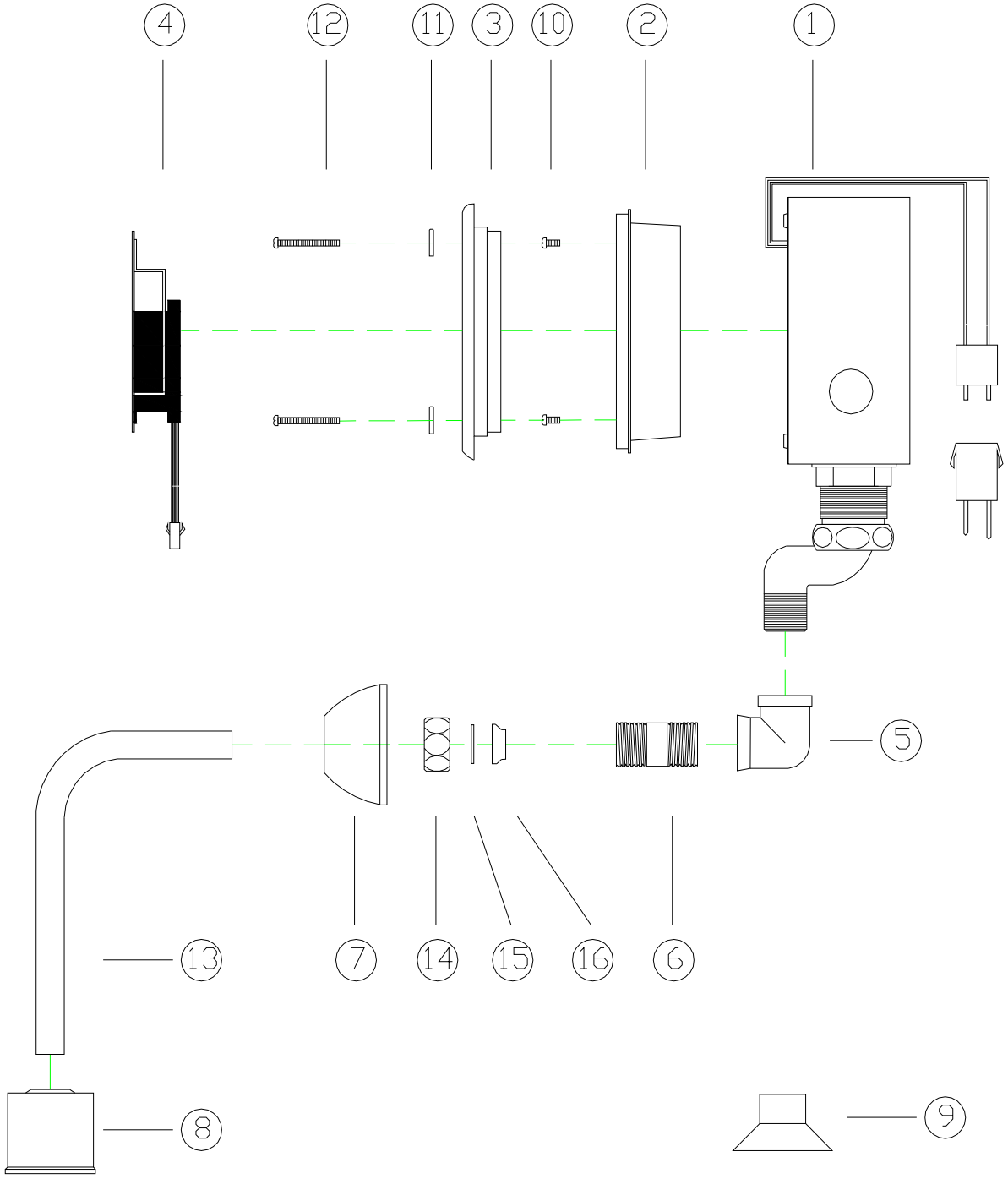
■ Specification

Product	UF514AC	UF515AC
Power supply	AC220V/50Hz	AC220V/50Hz
power consumption	10W below	10W below
Flushing	2 stages	2 stages
Sensor range	50cm±20 below(adjustable)	50cm±20 below(adjustable)
Detection time	3 second	3 second
Pre-flushing time	1 second	1 second
Main-flushing time	2.4.6.8.10.12.14.16Sec，(8 adjustable)	2.4.6.8.10.12.14.16Sec，(8 adjustable)
Water inlet pipe bore	1/2"	1/2"
Flush volume	3 liter	3 liter
Applicable water pressure	0.5~5kgf/cm ^{2}	0.5~5kgf/cm ^{2}
Instll type	Concealed type / UT type	Concealed type / UT type
Panel dimension	220*120mm	120*120mm

■ Parts Chart

No.	Item	514 dimension/mm	515 dimension/mm	Qty	Note
1	Solenoid valve housing	195*125*60	195*125*60	1	Stainless steel (Solenoid valve & power supply included)
2	White inner box	214*114*27	114*114*27	1	Polystyrene
3	Mounting bracket	220*120*18	120*120*18	1	
4	Panel unit	192*92	94*94	1	Stainless steel
5	L-sharped pipe	1/2"double inner threaded	1/2"double inner threaded	1	Stainless steel
6	Brass tube	1/2"double inner threaded	1/2"double inner threaded	1	Stainless steel
7	Wall flange	Ø56*30(hold Ø13)	Ø56*30(hold Ø13)	1	Brass casting
8	Urinal flange	Ø43*39(hold Ø13)	Ø43*39(hold Ø13)	1	Stainless steel casting
9	Suction cup	Ø46*19	Ø46*19	1	Silicon
10	White inner box mounting screws	M3*0.5 L=8	M3*0.5 L=8	4	Stainless steel
11	Panel mounting gasket	Ø12*1	Ø12*1	4	Stainless steel
12	Panel mounting screws	M4*0.7 L=35	M4*0.7 L=35	4	Stainless steel
13	Inlet L shaped pipe	163*92(Ø13)	163*92(Ø13)	1	Brass casting
14	L shaped pipe-nut	Ø25*12(hold Ø13)	Ø25*12(holdØ13)	1	Brass casting
15	Water stop gasket	Ø18*1(hold Ø13)	Ø18*1(hold Ø13)	1	Polyethylene
16	Packing	Ø18*6(hold Ø13)	Ø18*6(hold Ø13)	1	Rubber

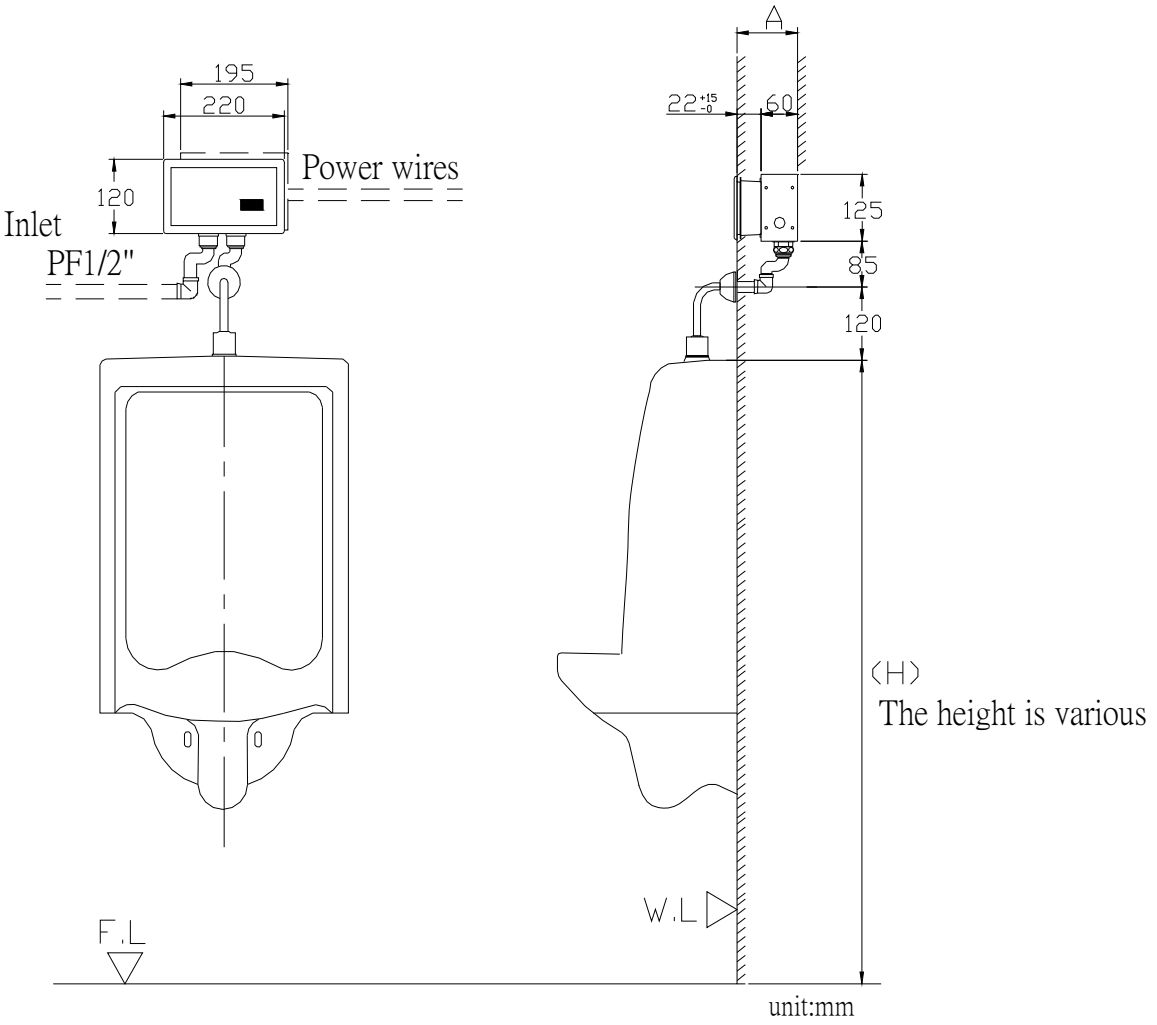
■Parts list



■Installation

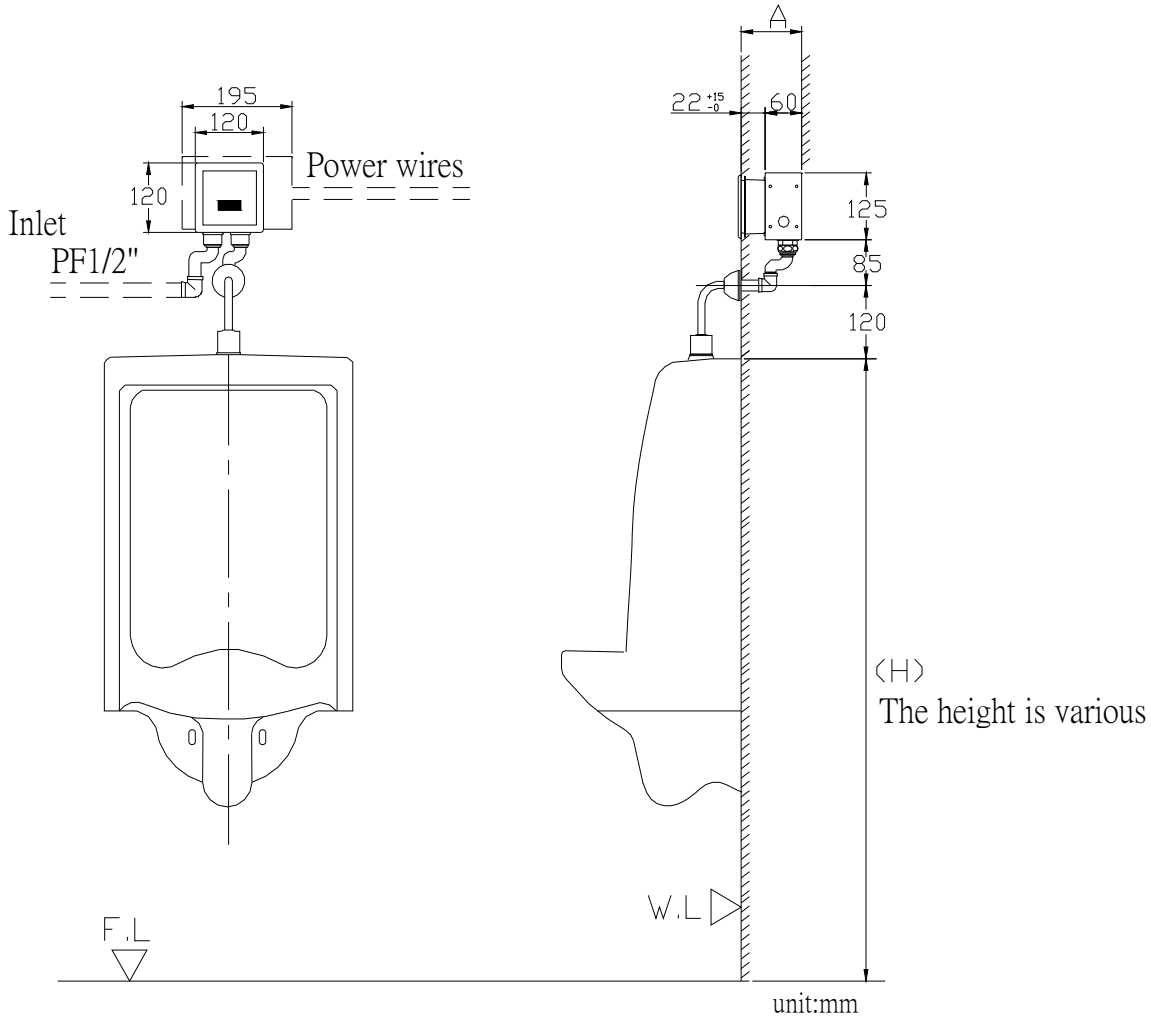
UF514

Caution：Prior to installing Flushtech's UF514,make sure "A"(see illustration below) is deeper than 82mm (this number can be increased if needed for proper installation, Manufacture propose 90mm.



UF515

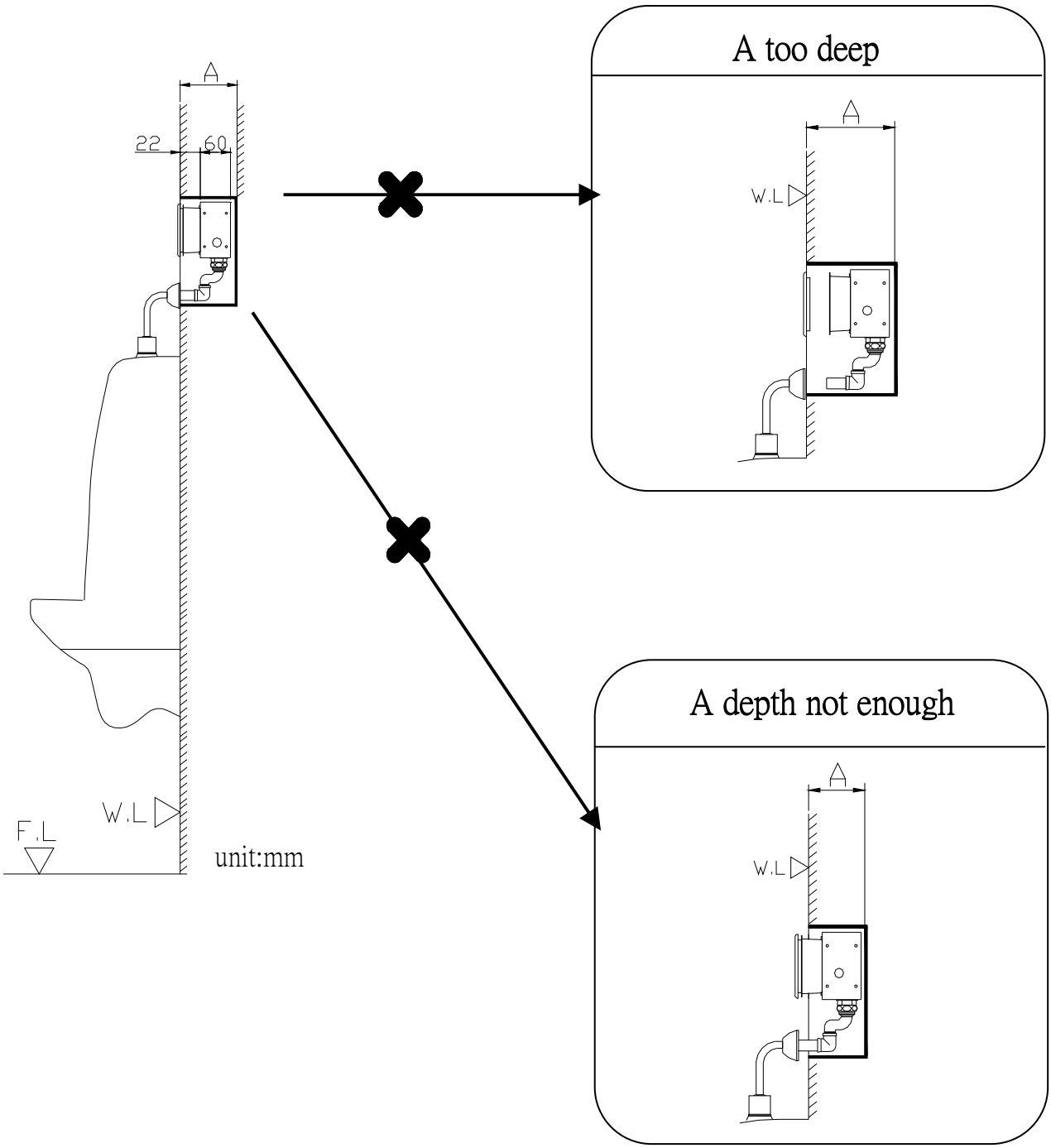
Caution：Prior to installing Flushtech's UF515,make sure "A"(see illustration below) is deeper than 82mm (this number can be increased if needed for proper installation, Manufacture propose 90mm.



■Installation steps

1.Prior to installation,make sure the water supply pipe has been cleaned up,any obstruction can prevent the flush valve from proper functioning.

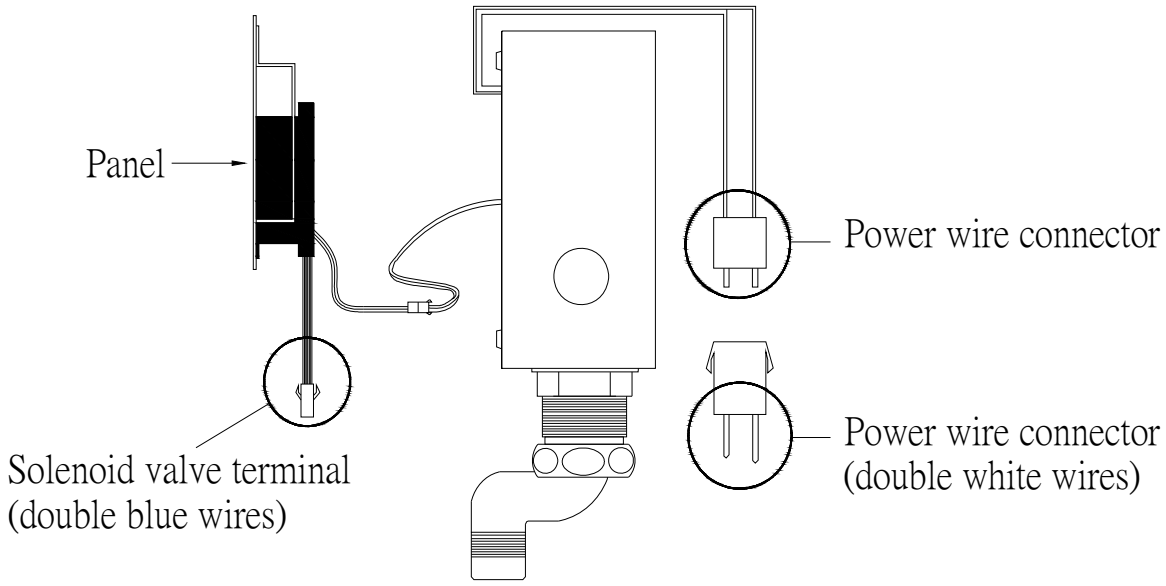
2.Prior to installation,be sire the size of "A"(see illustration below) is bigger than 82mm (flushtech recommends 90mm) The same installation instructions apply to UT type.



3.Power supply：220V / 50Hz

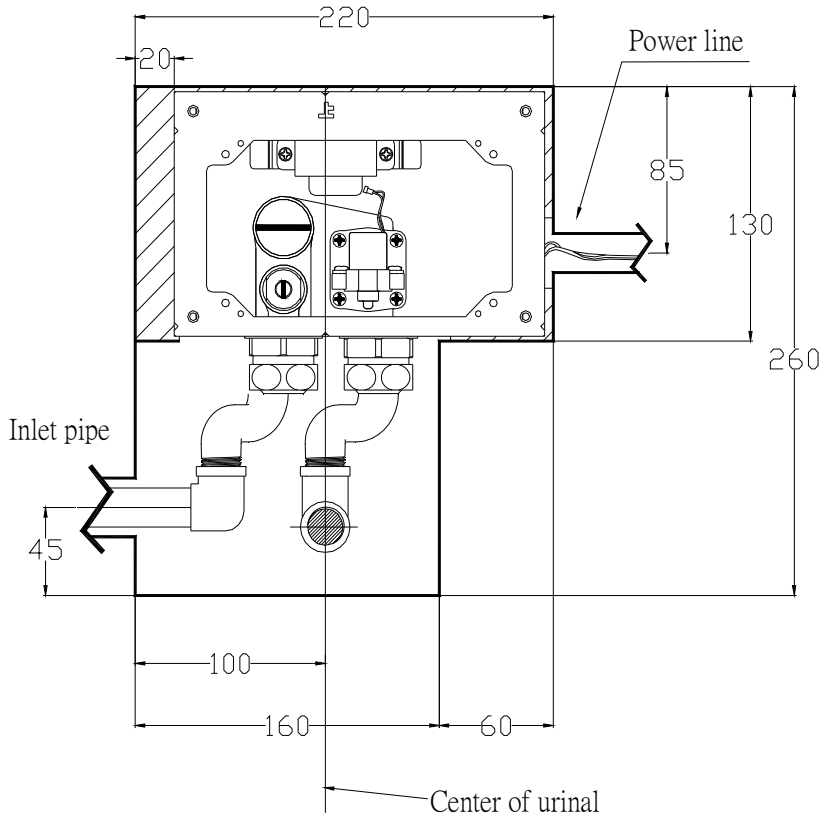
Connect wire with the power supply wire buried in the wall

Caution：An incorrect wire connection will immediately cause function failure if plugged in

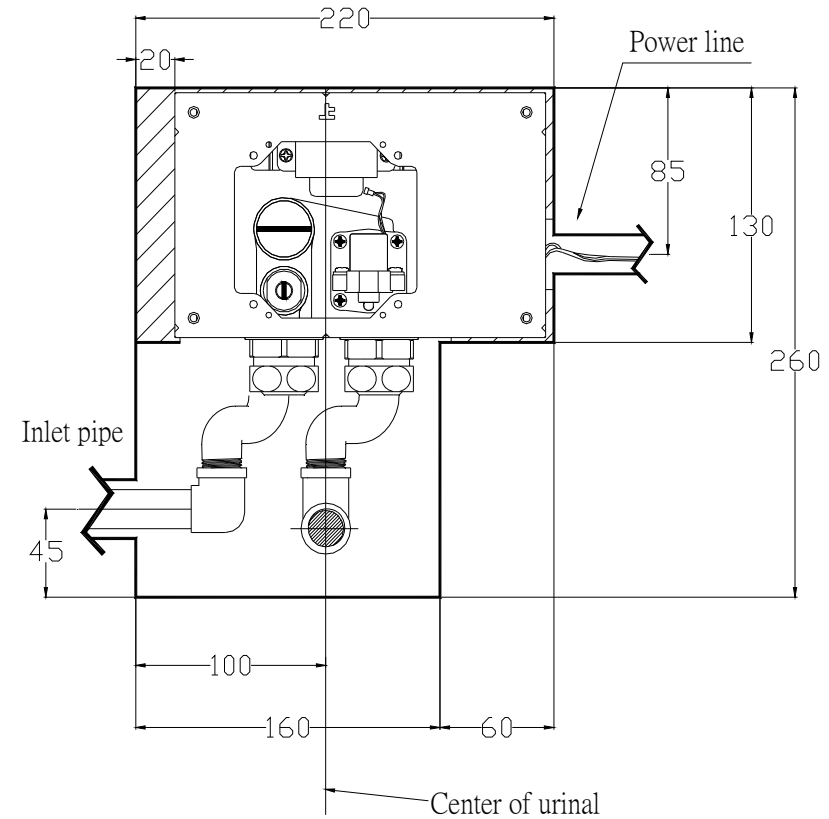


4.Cut out outline as seen below for installation(see dark black line)

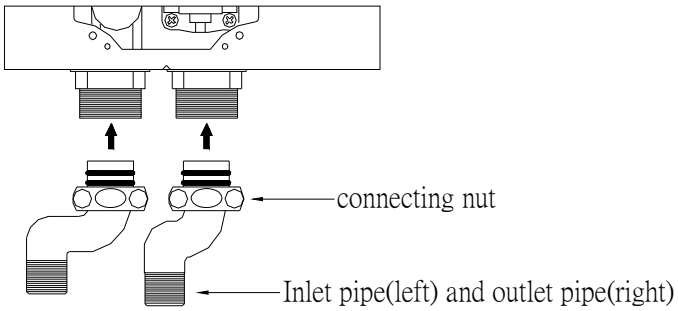
UF514-Panel mounting Bracket Dimension Space



UF515-Panel mounting Bracket Dimension Space

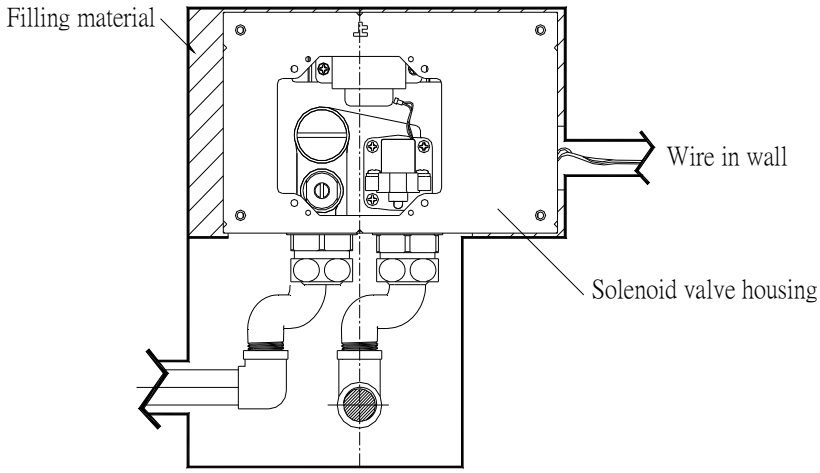


5.Slide the connecting nut over the pipe,insert the pipe into the outlet and inlet,(as the arrows) tighten by tools.(This step is set by product's initial installation)



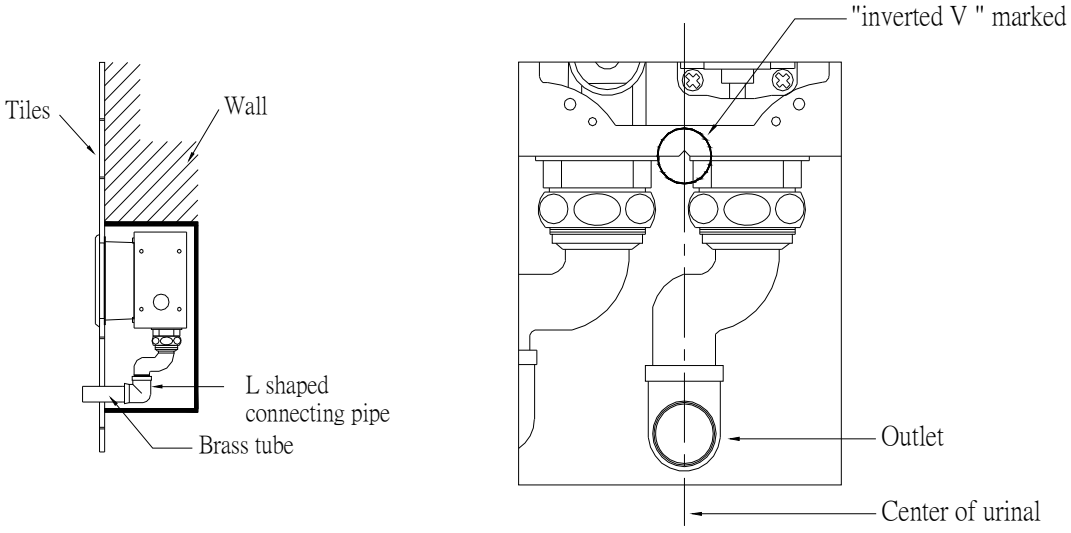
6.Install the solenoid valve housing in the wall(note that the wire buried in the wall needs to be pulled the housing Be certain the housing is installed tightly and steadily to prevent from moving around.

Caution：Note that the housing needs to be balanced.
(upright and positioned properly,no tilting or leading.)



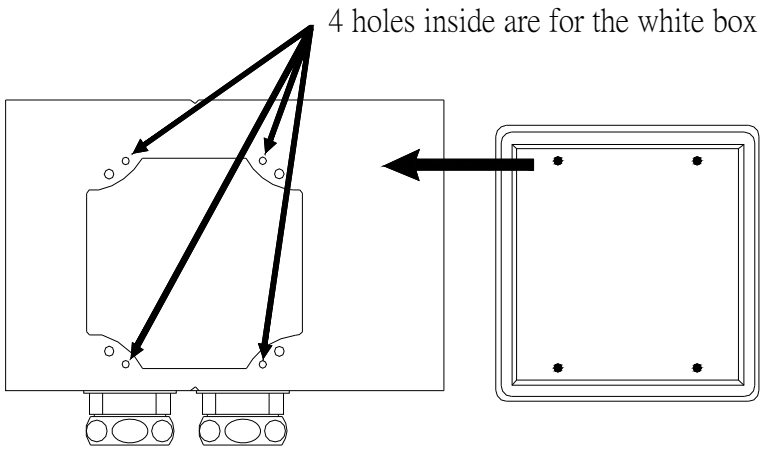
7.When installing pipes,insert the connecting pipe with the brass,to the outlet and tighten by tools.

Caution：Be sure to center water outlet properly.(see illustration)

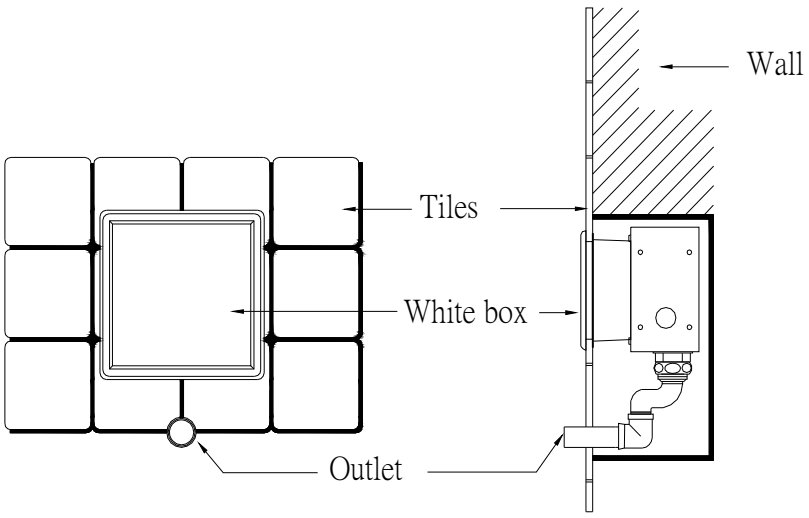


8.Turn on the water to test and be certain no leakage occurs.

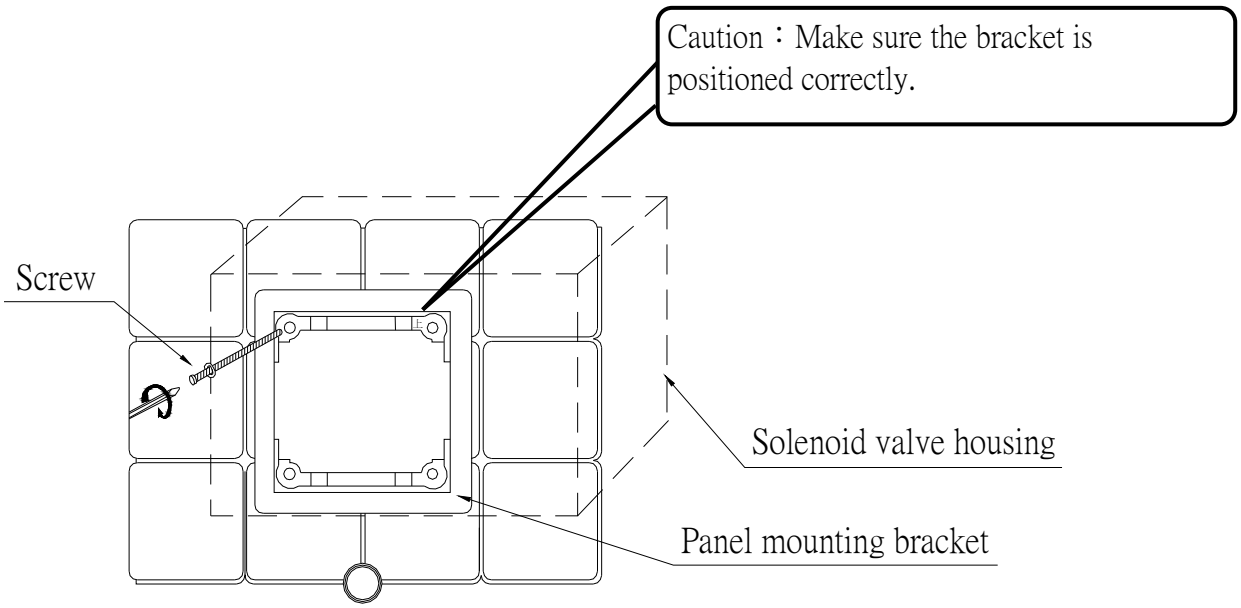
9.Install the white box into solenoid valve housing,Secure with four screws.
(be certain that the white box has been placed properly in the solenoid valve housing.)



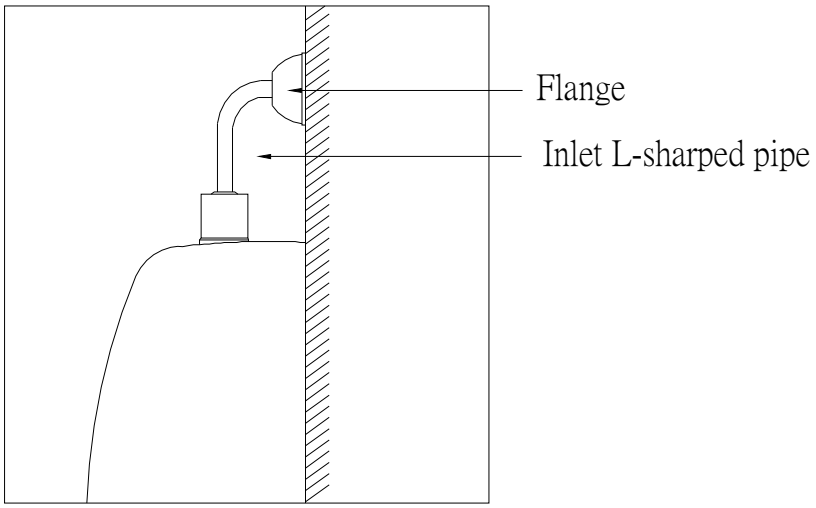
10.Ones the white box is in place,start applying cement to the wall and place the tiles onto the cement.



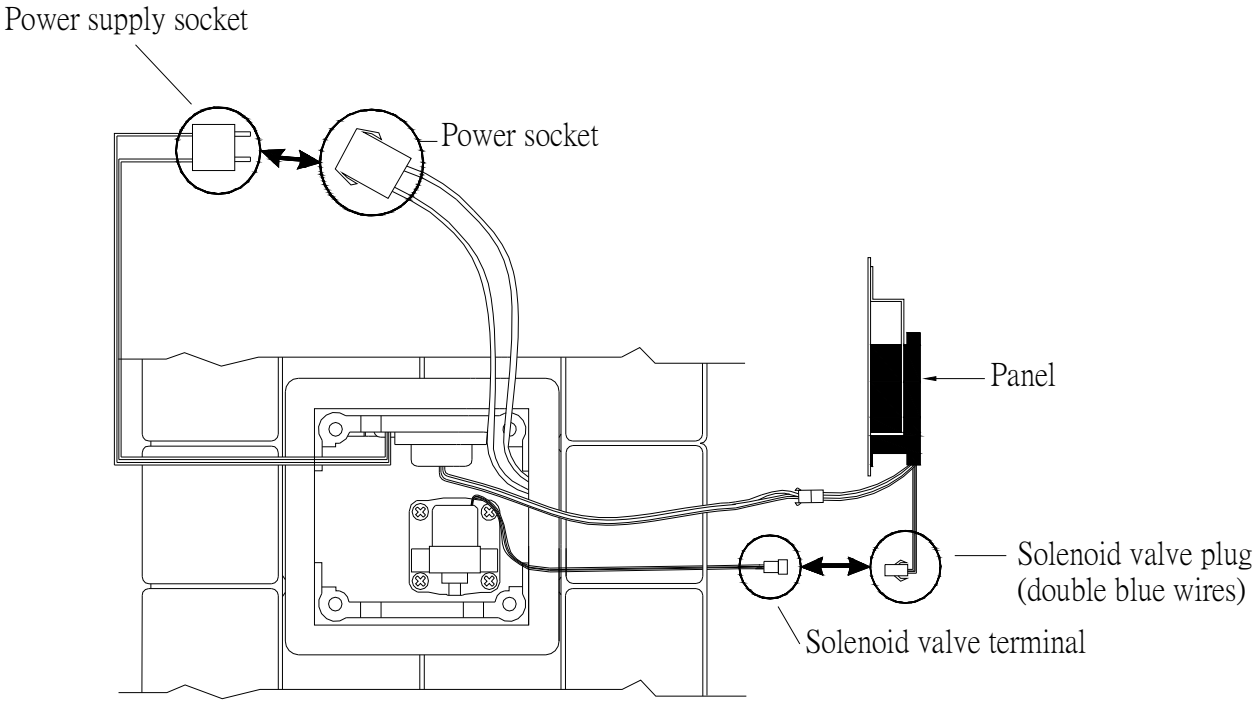
11.UFter step 10,wait for the cement to dry and then remove the white box,Place the panel mounting bracket as illustrated below.Secure the bracket with four screws.



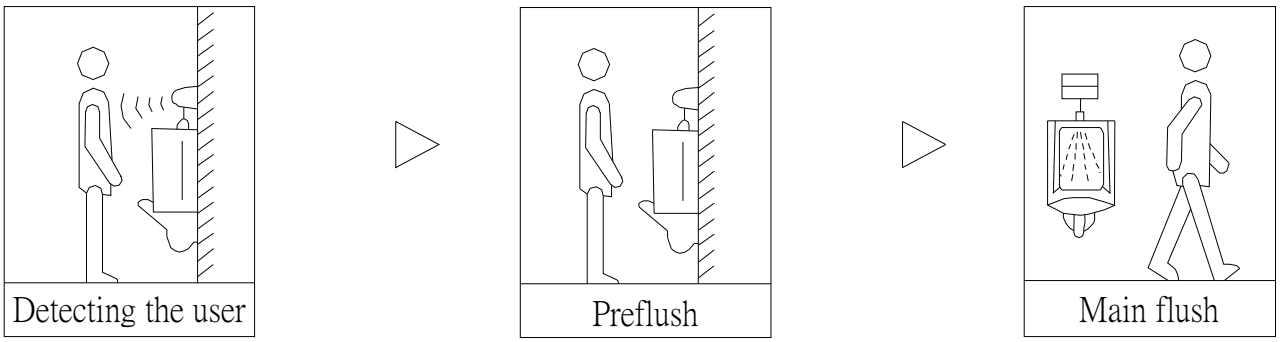
12.When done installing the urinal,cut the L-sharped pipe to the length that is needed for proper installation,slide the flange over the pipe and insert the other end of the pipe into the urinal.



13.Connect the wires as illustrated below,and the final step is to place the panel onto the bracket. (the bracket is magnetic)



■Operation



The user stands in front of the urinal,no further than 30cm

AFter 3 second of detection time. the flusher activates flushing mechanism for 1 second,which is called preflushing

AFter the user leaves the detection zone,the valve activates main flushing process for second (flushing time can de adjusted)

■Adjustable settings

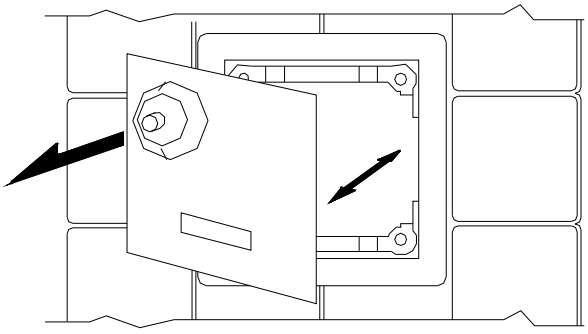
1.Water volume adjustment ：

A.Pull open the panel with the suction cup(see fig.1)

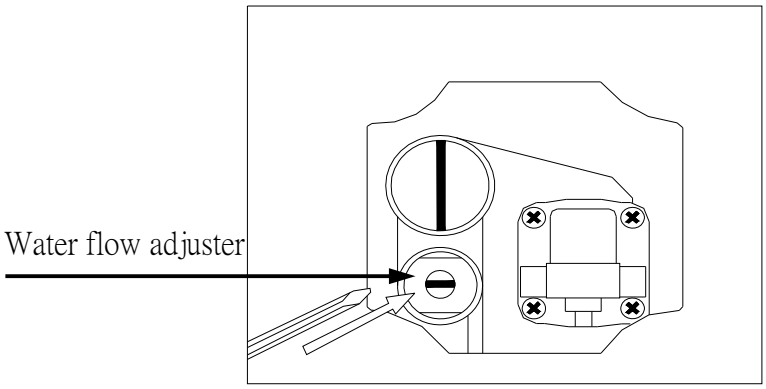
B.use a slot-headed screwdriver to adjust the water volume.(factorysetting is cet on maximum water volume,adjust only if smaller water volume is needed.To do so,turn clockwise,please see illustration)

C.Replace the panel when finished.

(Fig.1)

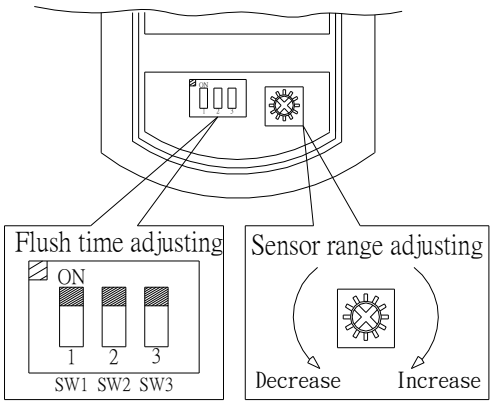


(Fig.2)



2.Sensing range adjustment ：

Use the slot-head screwdriver to turn anti-clockwise to shorten the distance and clockwise to increase the distance.Factory setting is set at 50cm.Do not adjust if not necessar



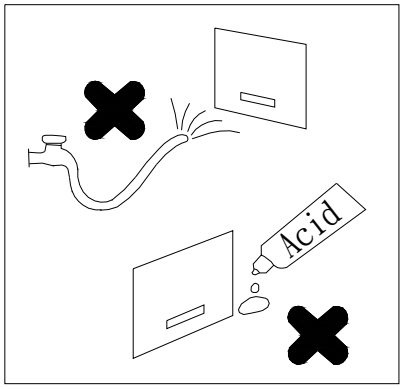
3.Flushing time adjustment ：

Sw1	Sw2	Sw3	Flush time
OFF	OFF	OFF	16SEC
OFF	OFF	ON	14SEC
OFF	ON	OFF	12SEC
OFF	ON	ON	10SEC
ON	OFF	OFF	8SEC
ON	OFF	ON	6SEC
ON	ON	OFF	4SEC
ON	ON	ON	2SEC

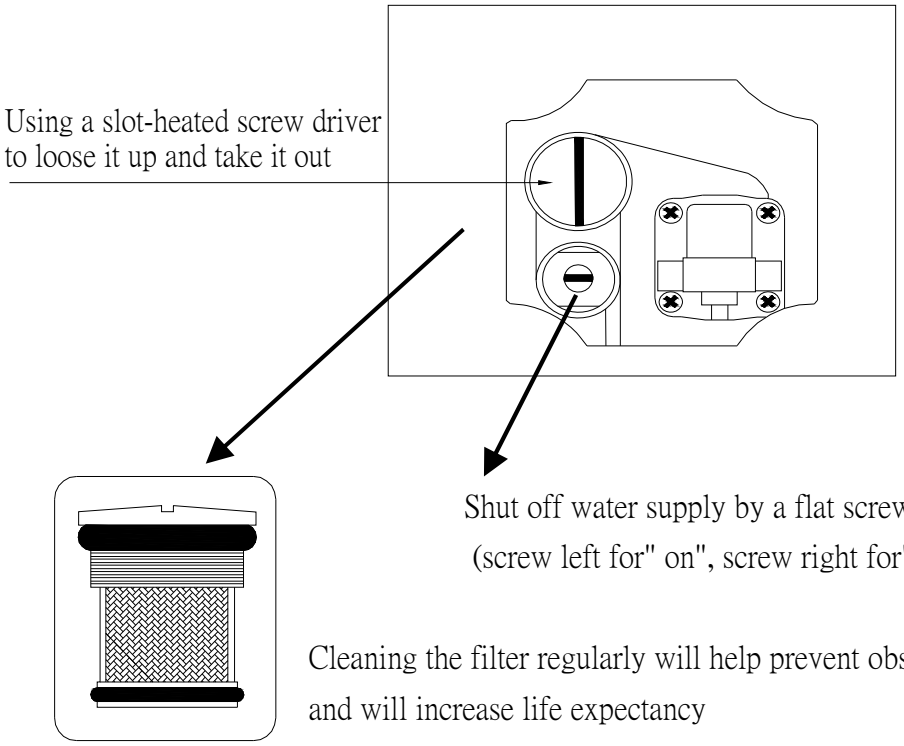
※Please refer to the chart on the right to adjust to desired flushing time.

■Regular check and maintenance

1.Use soft fabric to wife off when dirty,Do not directly splash water of use any acidic ingredient soap cleaner.



2.Poor water quality can obstruct the filter and decrease water flow.When this occurs clean filter.
The filter can de easily removes by using a slot-heated screwdriver to loose it up ad take it out.
(see figure below)



Cleaning the filter regularly will help prevent obstruction
and will increase life expectancy

■Troubleshooting

Problem	Possible causes	Solutions
1.The adaptor burned	1.Wire connected incorrectly	1.Double check the power supply replace the power adaptor reconnect the wire terminal
2.Does not flush (the light does not flash when sensing)	1.Loose connection	1.Check the electric terminal and reconnect properly
	2.Circuit board failure	2.Replace circuit board
3.Does not flush (the light flash when sensing)	1.No water supply	1.Check the water supply
	2.Loose solenoid valve terminal	2.Check the electric terminal and reconnect properly
	3.Solenoid valve failure	3.Replace solenoid valve
	4.Circuit board failure	3.Replace circuit board
4.No sign of functionality	1.Dirty sensing window	1.Wipe clean the sensing window with tissue
	2.Sensing range too long	2.Shorten the sensing range
	3.Solenoid valve failure	3.Replace solenoid valve
5.Water does not stop	1.Solenoid valve diaphragm obstructed	1.Clean the diaphragm
	2.Circuit board failure	2.Replace circuit board
6.Water volume decreases	1.Weak water supply	1.Increase the water supply volume
	2.Filter obstructed	2.Clean the filter

※When problems occur please see the chart above to locate the problem and find the solution.