



Urinal Flush Valve Instruction

Item # UFVSNT8001B

1. Product Features

- Microwave sensor control
- High standard of hygiene and water efficient.
- Easy to install and suitable for schools, hotels, mall and office buildings, hospitals, etc.

2. Product Function

- Microwave induction detects movement of liquid/urine and water is discharged efficiently according to the amount of liquid/urine detected.
- The sensor is activated after 2 seconds upon detection of continuous flowing liquid/urine. Flushing begins 3 seconds after liquid movement stops.
- Flushing time is less than 4 seconds and every flush is less than 0.9L.
- After each flush cycle, the sensor pauses for 45 seconds before the next work cycle.
- Urinal automatically flushes once after 24 hours of inactivity to maintain an odourless environment.
- Low-voltage battery alarm (4 x AA batteries) when battery is low, the buzzer sounds to warn for replacing battery.
- When AC power supply is cut off, the sensor switches to DC power supply automatically.

Inlet Diameter	G1/2"
Water Pressures	0.05-0.5 MPA, Max Pressure 500KPA, Max Operating Pressure 500KPA, Rec Operating Pressure 350KPA
Supply Voltage	AC: 110V-240V DC: 6V
Power Consumption	Idle: 0.05W Working: 2.5W
Sensing Distance	5-15 CM
Working Temperature	1-40 °C
Water Supply Pipe	Install with DN 20 (3/4) copper pipe
Installation must be in accordance with AS/NZS 3500	
Install with an air break valve in the water supply pipe (must be vertical and a minimum of 600mm away from the urinal)	
Recommended with Villeroy & Boch 5574 or 7254 Urinal	
Pipe work from solenoid to urinal should be predominately straight for optimum performance and must include the air gap fitting	

3. Installation Notes

Please read instruction, wiring diagram and installation drawing carefully before beginning installation.

For AC power supply, the sensor must be equipped with current overload and electric leakage protectors and connected to the ground wires.

Before connecting water inlet to supply pipe, turn on the supply switch and clean the internal pipe to prevent blockages in the flush valve.

*Before installation, stick the labeled side of sensor on the back slot of urinal in the area where liquid movement can be detected.

*Factory fitted for Villeroy & Boch 5574 Urinal.

Use double sided adhesive tape or silicon to tightly stick the labeled side of sensor on the back of urinal in the area where liquid movement can be detected (near the outlet of urinal).

4. Adjustment Method

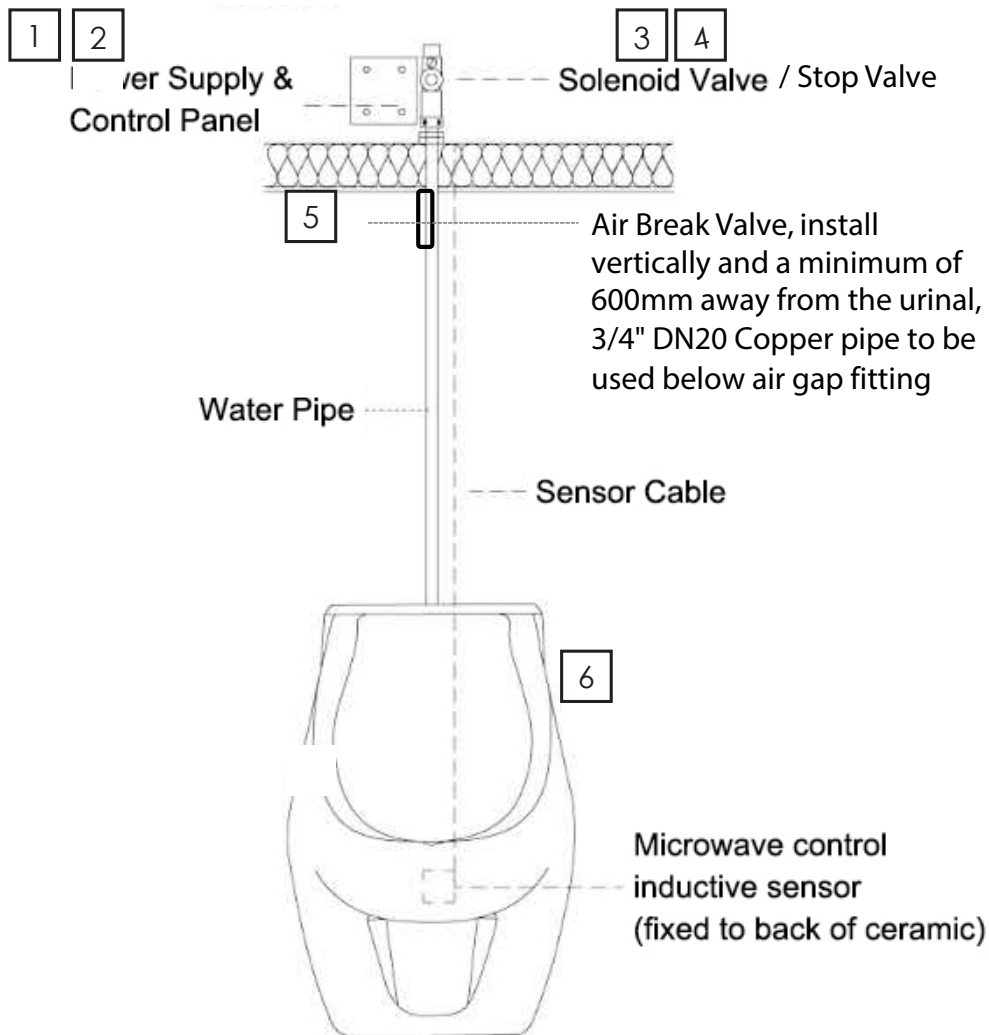
- **Sensing Distance:** use Phillips screwdriver to adjust resistor marked 'Adjust distance', clockwise rotation is for increasing distance, counter clockwise rotation is for decreasing distance.
- **Sensing Sensitivity:** use Phillips screwdriver to adjust resistor marked 'Adjust sensitivity', clockwise rotation is for decreasing sensitivity, counter clockwise rotation is for increasing sensitivity.
- **Flushing Time:** use Phillips screwdriver to adjust resistor marked 'Adjust flow volume', clockwise rotation is for increasing time, counter clockwise rotation is for decreasing time.
- **Filter Flow:** use flat-blade screwdriver to adjust filter flow valve, clockwise rotation is for decreasing flow, counter clockwise rotation is for increasing flow, the maximal flow can be adjusted to 10L/min.
- **Notice:** All the parameters above are already set to optimum before leaving factory, only adjust them if necessary.

5. Troubleshooting

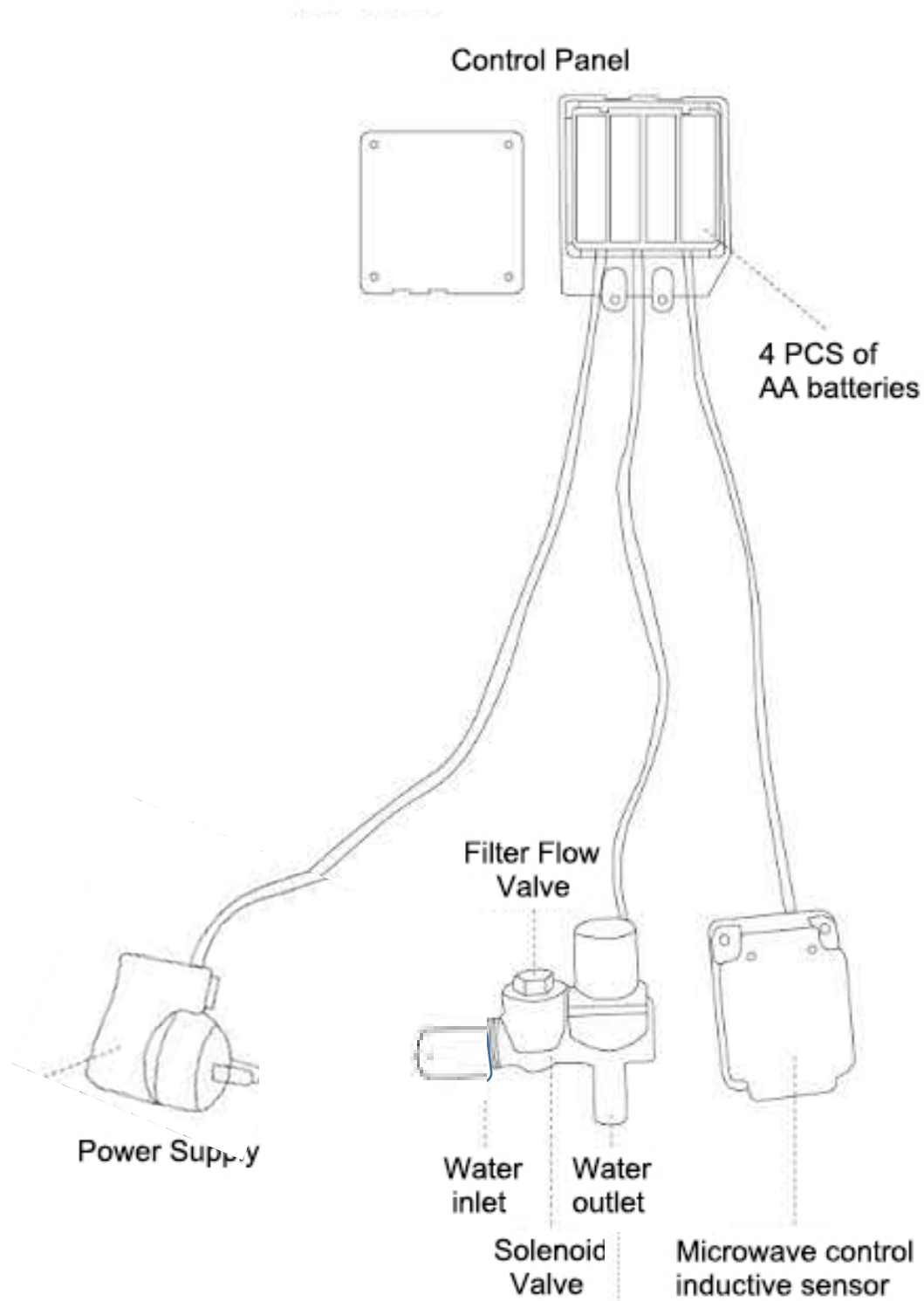
Trouble	Cause	Solution
No flush	1. Power supply is abnormal	Check: 1. AC Power plug contacts well 2. Batteries are installed right and contacts well
	2. Water supply is abnormal	Check: 1. Water supply valve is turned on 2. Filter valve is turned on
	3. Cables not connected right	Check if cables are connected right and contacts well
	4. Filter is blocked	Clean the filter
	5. Rubber seal inside solenoid valve is blocked	Clean the rubber seal

Trouble	Cause	Solution
Low flushing flow	1. Filter is blocked	Clean the filter
	2. Flow valve is turned down	Turn up the flow valve
Leak water	1. Water inlet and outlet are connected by mistake	Reconnect inlet and outlet right
	2. Debris inside solenoid valve	Clean the solenoid valve
	3. Rubber seal inside solenoid valve fractures	Replace the rubber seal
Air gap fitting leak	Air Gap installed horizontally Water pipe diameter too small	reinstall Air Gap vertically Install correct diameter pipe DN20 3/4"

6. Installation Drawing



Wiring Diagram



Air Break must be installed vertically and downstream of the water outlet with DN20 pipe (3/4 " copper)



Spare parts



1. SNT8001-POWER = Power supply
2. SNT8001-CP = Microwave control box sensor unit
3. SNT8001-SOLE = Solenoid Valve
4. LH15C = Stop Valve
5. AG1519 = Air Gap fitting
6. SNT8001-MCS = Sensor Panel, attaches to rear of urinal
7. SNT5MTEXT = 5MT Extension Lead
8. AW517 1/2 Brass Socket