

Instruction Manual



Revision 11

Pre-Install Instructions

- Before installing the valve, all pipes should be flushed with clean water to remove any impurities or silt in the pipeline.
- Recommended working pressure is 0.24Mpa—0.55Mpa. Recommend pipe inner diameter greater than 25mm for maximum flow.
- Avoid any reflections in front of the sensor such as mirrors, marble, stainless steel, etc.
- Do not install in direct sunlight.

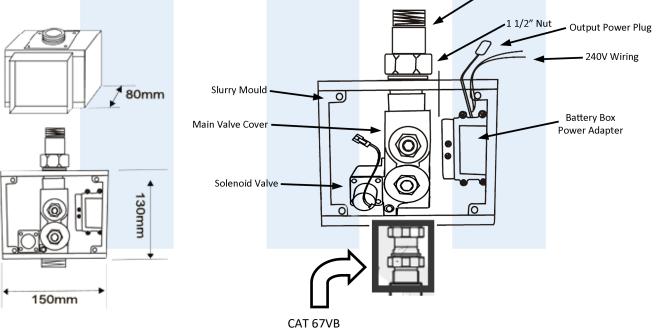
Recommended Tools and Materials

Open end/adjustable wrench	Level	Special wrenches
Tape measure	Pliers	Wire cutter
Basin wrench	Socket wrench with sockets	Insulation tape
Pipe wrench	Phillips driver	Bushing
Square	Seal tape	

Specifications

Power Supply	AC 220v 50-60Hz supply or DC 4 x AA Alkaline Batteries (Dual power		
	supply automatically switched)		
Sensor Distance	10 – 70cm self adjusting		
	10 – 100cm (±10cm) with optional remote control CAT 67206R		
Dimensions	15 cm x 13 cm x 8 cm (10cm with slurry mould)		
Flushing Style	2 Stages (3s activated on entry and 6s on departure)		
	2 Stages (Entry and departure 0—8 seconds (± 2 seconds) with optional		
	remote control CAT 67206R)		
Inlet Water	G 1" external thread		
Outlet	M39 x 1.5mm		
Water Pressure	0.05Mpa-0.8Mpa		
Recommended Pressure	0.24Mpa-0.55Mpa		
Installation	Concealed into wall		

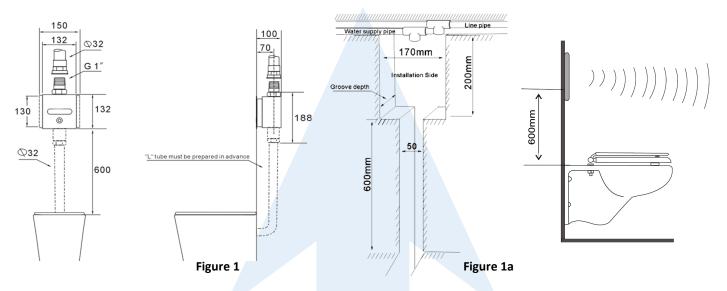
Unit Breakdown



MEFE—Mitchell Engineering Food Equipment Pty Ltd 23 Storie Street Clontarf QLD 4019 Australia www.mefe.com.au | info@mefe.com.au 1" Connecting Pipe Inlet

Installation

 Determine install location as per installation diagram and rough-in dimensions (Figures 1 and 1a). The groove depth is not less than 105mm. Install supply pipes, ensuring you flush the pipes free of any silt, impurities, etc. It is recommended that the inner diameter of the water supply pipeline (including water meters, valves, etc.) is greater than 25mm and length greater than 6 meters.

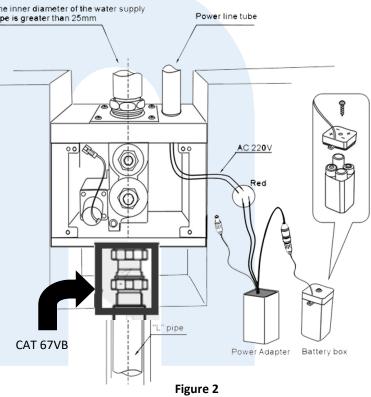


Note: Avoid reflective objects directly opposite the sensor (such as mirrors, bright stainless steel plates and other mirrored objects, etc. and keep away from strong ultraviolet or electromagnetic fields.

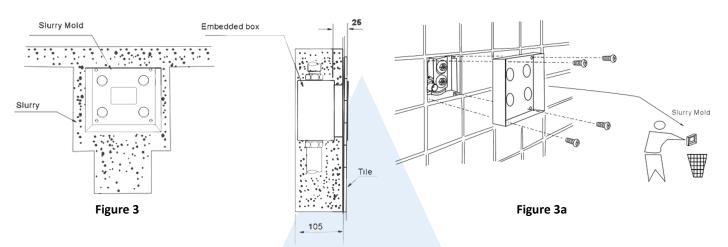
- 2. Connect the G1" connecting pipe to the water supply pipe first, then connect the water inlet of the embedded box to the G1" pipe fixing the washer and inlet union nut. Connect the "L" pipe water outlet according to your installation.
 The inner diameter of the water supply pipe is greater than 25mm
 Power line tube
- Remove the mortar mould sleeve and check for leaks. Insert the AC 240V power cord into the hole of the embedded box if using AC power. Tie the 2 red wires of the power adapter box with the 2 AC 240V power wires respectively, and wrap them with electrical tape. If using batteries, install 4 x AA alkaline batteries into the battery box (Figure 2).

Note: Ensure you do not mistake the polarity of the batteries or mix old and new batteries together.

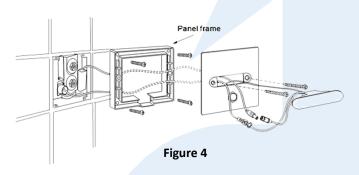
Tighten the screws of the battery box to avoid moisture in the battery box.



2. Connect to the water source a pressurize the pipeline to 0.7Mpa and check for leaks at connection points. Reinstall the mortar mould and grout any gaps between the control box and the wall and fix tiles down. Once the grout is dry, remove and dispose of the protective cover (Figures 3 and 3a).



3. After the mortar is solidified, remove the protective cover, connect the solenoid valve wire behind the panel and the connector of the control box assembly, and fix the panel frame with the equipped 4 long screws, and then cover the panel Figure 4.



Sensing

When the user enters the active sensing range for more than 3 seconds, the valve will flush for 2 seconds. Once the user has finished and leaves the sensing range, the valve will flush for 6 seconds. The LED light will flash once every 3 seconds. Push the button to force flush. The sensor angle is set at within 70cm on an approx. 20° downward incline. This can be manually programmed with optional remote control CAT 67206R.

with an infrared transmitting angle of about 20° downward

Panel Access and Adjusting Water Flow

To remove the front panel use the included suction cup to pull off the sensor revealing and using a screw driver to take out the screws either side. Then remove the bracket by unscrewing the 4 screws, using a hex on the main valve cover turning clockwise to slow water flow or counter clockwise to increase water flow.

Maintenance

If the flushing volume reduces sharply after installation or the valve has been used for a long time, and the cause is not related to water pressure, and you have checked and adjusted water flow, check the filter.

Turn off the water supply or fully close the valve. Then use an adjustable wrench to remove the filter and check for any silt and impurities and rinse accordingly. Check the seal is in place and tight. Please be cautious foreign materials do not enter the valve body.

When not in use for a long time, the sensor will drive the solenoid value to flush once every 24 hours to prevent the deodorizer and drain pipe from drying up.

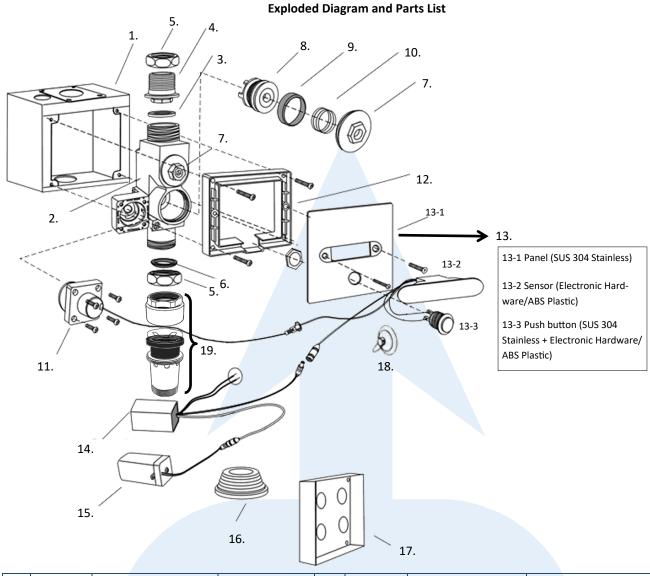
Cleaning

Keep the sensing window clean by wiping it regularly with a soft cloth. Only ever use soapy water.

Do not use dust removing powder, abrasive powder, bleach, oil, acid or alkaline based products.

Do not spray air refresher, disinfector or other deodorising or cleaning solvent directly onto sensor window.

Problem	Cause	Solution			
No water flow	Power supply insufficient	The indicator light will flash 3 times every 6 seconds if power is insuffi-			
	Sensor compromised or poorly	cient, sensor is blocked or poorly connected, and solenoid is poor con-			
	connected	nected.			
	Solenoid valve poorly connected	Check power or replace batteries.			
		After confirming power, ensure the sensor window is clear of obstacles			
		and check for strong reflections. Unplug and plug in again. You may			
		need to replace the sensor.			
		Check the solenoid valve connections. You may need to replace the			
Can't stop water	Solenoid or piston are blocked	Close the water volume control valve, open the piston valve cover, take			
flow	Water pressure is too low	out the piston for cleaning, and observe whether there are impurities			
		inside the valve body.			
		If there is still a small amount of water when the valve is closed the			
		water pressure is too low or solenoid valve assembly is blocked or			
Low water flow	Water pressure is too low	Increase water pressure.			
	Water regulation valve is not	Open the water regulation valve to its full open position.			
	opened enough				



No.	Part	Description	Material	No.	Part	Description	Material
1.	67206-1	Embedded Box	SUS 304 Stainless	11.	67206-9	Solenoid Valve	SUS 304 Stainless + POM Plastic + Rubber
2.	67206-2	Body	Brass 59-1	12.	67206-10	Frame	ABS Plastic
3.	67206-3	Gasket	NBR Rubber	13.	CAT 67206D	Sensor Panel and Push Button	SUS 304 Stainless
4.	67206-4	G1" Connection	Brass 59-1	14.	67206-11	240V AC Power Adaptor	Electronic Hardware/ABS Plastic/ Epoxy Sealants
5.	67206-5	39*1.5" Nut	Brass 59-1	15.	679-121	6V DC Battery Box	ABS Plastic
6.	67206-6	Bevelled Ring	NBR Rubber	16.	67206-12	Stopper	NBR Rubber
7.	67206-7	Water Regulation Valve	Brass 59-1	17.	67206-13	Mortar Mould Set	ABS Plastic
8.	67206-8	Piston Body and Filter	Brass 59-1 + NBR Rubber	18.	67206-14	Suction cup	PVC Plastic
9.	67206-8	Piston Seal	NBR Rubber	19.	CAT 67VB	Vacuum Breaker	See breakdown pg. 7
10.	67206-8	Spring	SUS 304 Stainless				



*CAT 67206R

Optional remote to adjust sensing range or flush cycle

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Exploded Diagram and Parts List

The CAT 67VB Must be installed as part of the **CAT 672062**.

