



Product Installation Guidelines

Document No. 001.00.00.08

Version 1.1, 14th July 2025, Page 1 of 8

Flowmatic™ Lead Safe™ Ultra IR GM20 Hob Basin Tap

PRODUCT CODES

- 151.15.22.00
- 151.15.12.00
- 151.15.52.00
- 151.15.32.00

151.15.22.00
151.15.12.00
151.15.52.00

151.15.32.00

SPECIFICATIONS

- Sturdy modular one-piece design.
- Double infrared sensor with automatic setting feature.
- Vandal-resistant aerator.
- 12 or 24-hour hygienic rinse function.
- 151.15.22.00 – Battery power
- 151.15.12.00 – Mains power
- 151.15.52.00 – Turbine + Battery power
- 151.15.32.00 – Solar + Battery power

IMPORTANT: All Flowmatic™ taps are tested in accordance with AS 3718 and leave our premises in good working order.

Our Lead Safe™ product range is compliant with the Lead-Free Requirements of the NCC 2022 Vol. Three, Clause A5G4(2) and NSF/ANSI 372.

WARNINGS: Special attention to be paid on notes, photos, images, or drawings of assembly steps marked with the warning symbol.

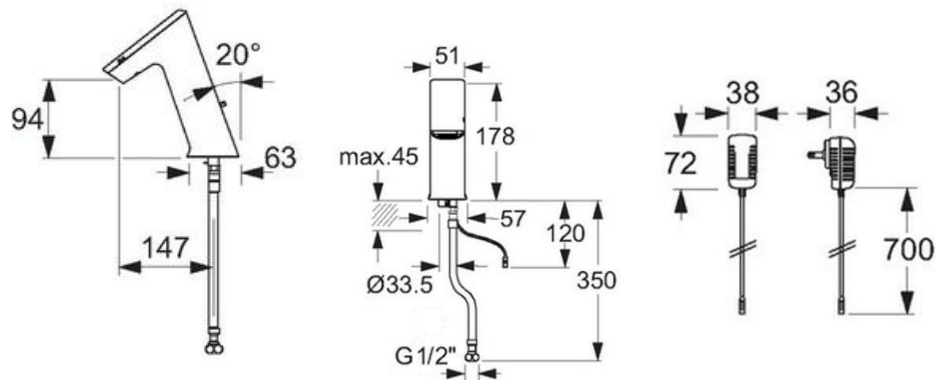


TECHNICAL DATA

Inlet	½" BSP – Flexi-hose	
Outlet	Aerator	
Headwork	Solenoid	
Power Supply (VDC) (151.15.52.00, 151.15.22.00, 151.15.32.00)	6	
Power Supply (VAC) (151.15.12.00)	240	
Working Pressure Range (kPa)	Min	30
	Max	500
Working Temperature Range (°C)	Min	5
	Max	80
Nominal Flow Rate (LPM)	4.0	
Finish	Chrome	

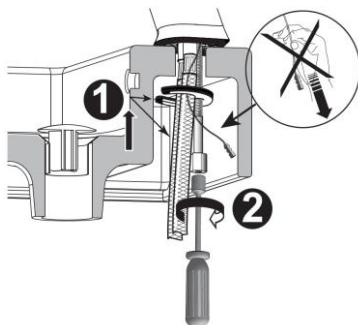
NOTE: Galvin Engineering continually strive to improve their products. Specifications may change without notice.

DIMENSIONS

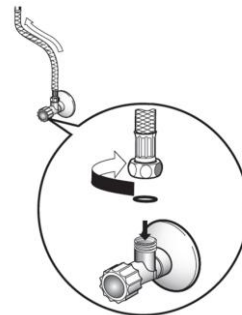


INSTALLATION

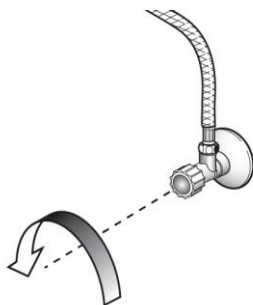
INSTALLATION COMPLIANCE: Galvin Engineering products must be installed in accordance with these installation instructions and in accordance with AS/NZS 3500, the PCA and your local regulatory requirements. Water and/or electrical supply conditions must also comply to the applicable national and/or state standards. Failing to comply with these provisions shall void the product warranty and may affect the performance of the product.



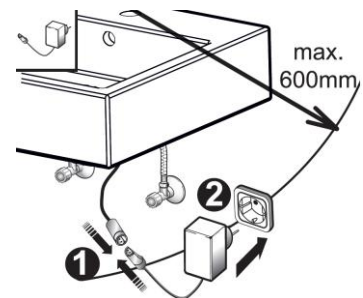
1. Fit tap to basin as shown



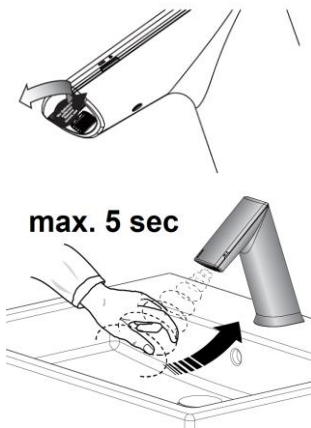
2. Connect flexi-hose to wall mounted valve



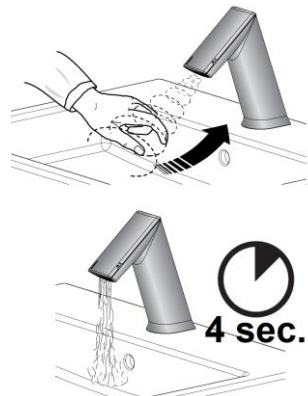
3. Turn on water to tap



4. Connect transformer to tap and plug in power (151.15.12.00)



5. Remove sticker and place hand within sensor



6. Water will run for 4 seconds



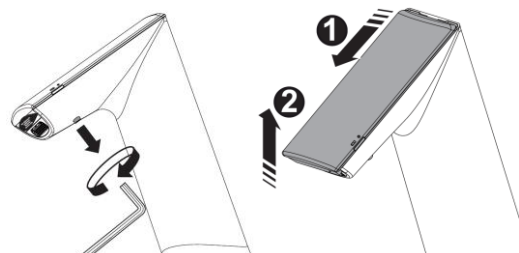
7. Wait 10 seconds then test for correct operation



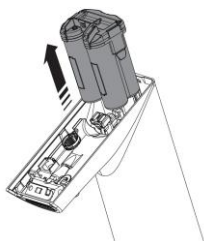
FILTER CLEANING



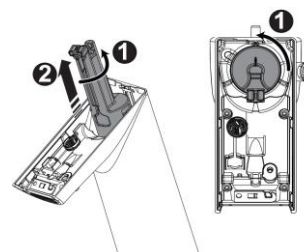
1. Block the sensor



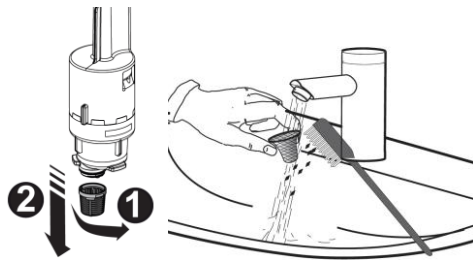
2. Remove grub screw & top cover



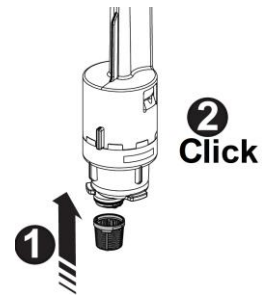
3. Remove battery box



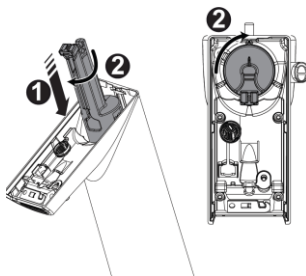
4. Remove solenoid assembly



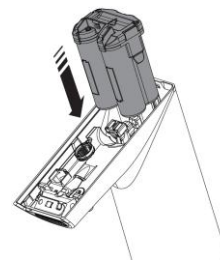
5. Remove filter from solenoid assembly and clean as shown



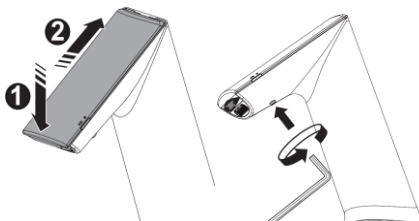
6. Re-fit filter to solenoid



7. Re-fit solenoid assembly



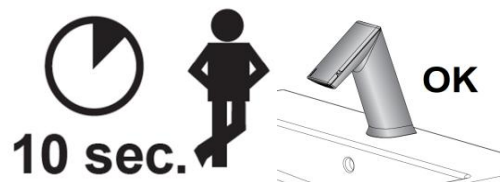
8. Re-fit battery box



9. Re-fit top cover & grub screw

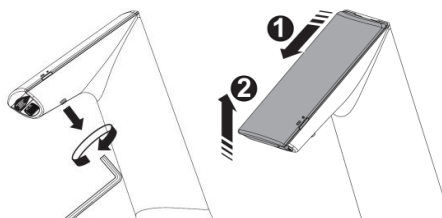


10. Remove sticker from the sensor

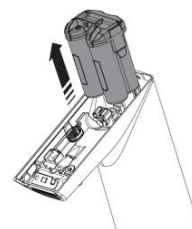


11. Wait 10 seconds then test for correct operation

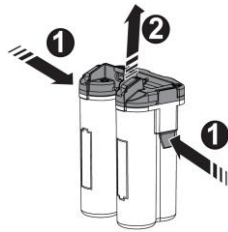
REPLACING BATTERY



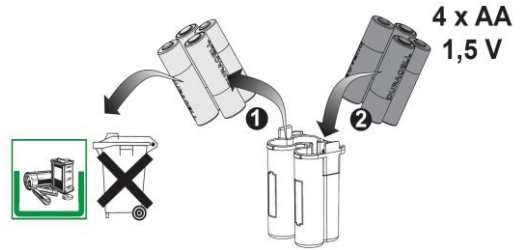
1. Remove grub screw and top cover



2. Remove battery box



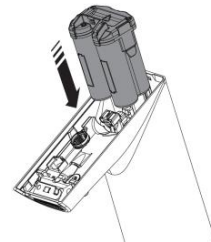
3. Open battery box



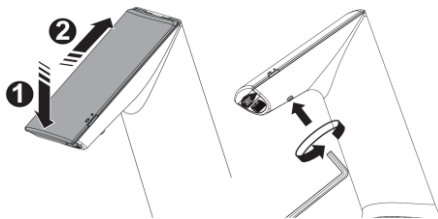
4. Replace batteries, polarity as shown



5. Close battery box



6. Re-fit battery box



7. Re-fit top cover & grub screw

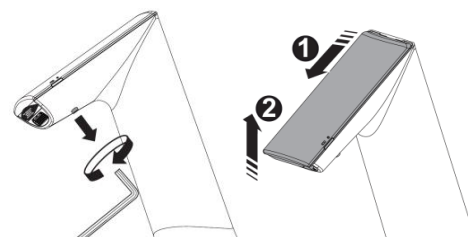


8. Wait for 10 seconds then check for correct operation

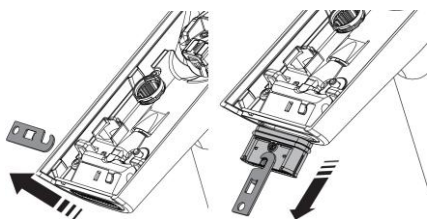
AERATOR SERVICING



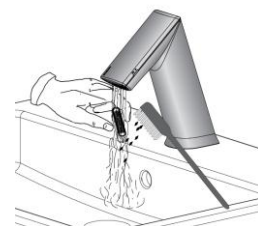
1. Block the sensor with a sticker



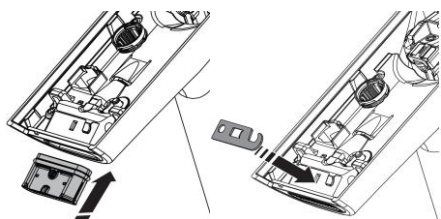
2. Remove grub screw & top cover



3. Locate removal tool and remove aerator



4. Clean aerator using water and a brush



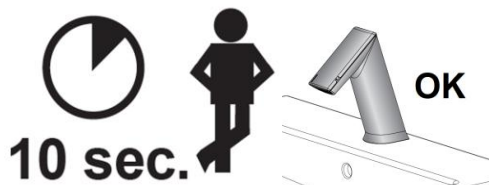
5. Re-fit aerator and removal tool



6. Re-fit top cover and grub screw

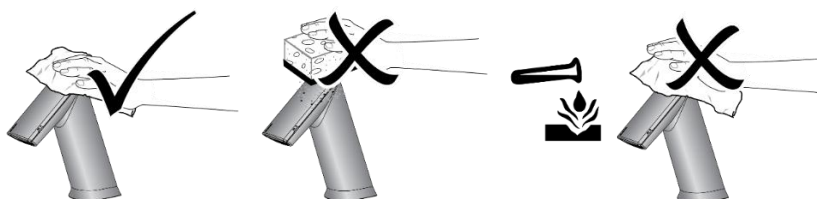


7. Remove sticker from sensor



8. Wait for 10 seconds then check for correct operation

CLEANING



Clean using a soft non-abrasive wipe & using a non-flammable and non-corrosive cleaning solution.

ELECTRONIC FUNCTIONS/PROGRAMMING

Symbols	Function	Procedure	Feedback Signal	Information	Default	Setting Range Via Touch
Touch Function	First Startup <i>after installation</i>	For 3 sec. until		Remove hand from sensor	-	-
Water Flows		Wait until	&	x 2. Keep sensor clear		
Water Stops		Wait until	x 1	Tap ready for operation		
Trigger Sensor	Temporary Off <i>activate</i>	For 2 sec. until	x 1	Extended function mode is active	2 min.	-
Green LED Flashes		x 2		Pulses whilst active		
Red LED Flashes	Temporary Off <i>stop</i>	For 2 sec. until	x 1	Manual stop		
		Automatic stop	x 1	Off after preset time		
	Continuous Run <i>activate</i>	For 2 sec. until	x 1	Extended function mode is active	2 min.	0.5 - 20 min (in 0.5 min steps)
		For 3 sec. (max 5 sec.)		-		
	Continuous Run <i>stop</i>	For 2 sec.		Manual stop		
		Automatic stop		Off after preset time		
	Time control for normal operation <i>set</i>	For 2 sec. until	x 1	Extended function mode is active	1 sec.	0 - 10 sec.
		For 5 sec. until	x 1	-		
		0-10 sec. (keep touched)	&	Water flows. Release to define duration		
		After releasing	x 1	Confirmed. Ready for operation		
	Time of Continuous and line purging water flow	For 2 sec. until	x 1	Extended function mode is active	2 min.	0.5 - 20 min. (in 0.5 min. steps)
		For 3 sec. (max 5 sec.)	&	Number of 1x - 40x = current setting		
		Keep touched until	1x - 40x	1 x = 0.5 min. 40 x = 20 min. Release to define duration.		
		After releasing	& x 1	Confirm by repeating number of (1x - 40x)		
	Line purge feature <i>activate/deactivate</i>	For 2 sec. until	x 1	Extended function mode is active	Off	Off 12h 24h 48h
		For 25 sec. until	1x - 4x	1x = off, 2x = 12h, 3x = 24h, 4x = 48h Ignore flashes after 5 & 10 sec. Keep touched until 1x - 4x after 25 sec. Release to define duration.		
		Wait until	x 1	Confirmed. Ready for operation		
	Restart electronics	For 2 sec. until	x 1	Extended function mode is active	-	-
		x 2. 0.5 sec.		Pulsing during active function		
		x 1. For 5 sec. until	x 4	x 1/sec.		
		Release and wait until	&	x 1/sec. Keep sensor clear		
		Wait until	x 1	Confirmed. Ready for operation		
	Sensor Range <i>set</i>	x 1. For 2 sec. until	x 1	Extended function mode is active	6	1 - 8 Steps
		x 2. 0.5 sec.		Pulsing during active function		
		x 1. For 15 sec. until	1x - 8x	x 1 = min. x 8 = max. Ignore flashes x 4 after 5 sec. Keep touched until 1x - 8x after 15 sec. Release to define sensor range step.		
		Release and wait until	&	x 1/sec. Keep sensor clear		
		Wait until	x 1	Confirmed. Ready for operation		
	Security off	Permanent		In-active without movement	-	-
	Replace Battery			x 2 When attempting to activate	-	-

TROUBLESHOOTING

PROBLEM	CAUSE	RECTIFICATION
No water flow	Intermittent off is activated	End intermittent off.
	Stop valve closed	Open stop valve.
	Filters clogged	Clean filters. Refer to Maintenance section.
	Power failure	Check power supply.
Tap runs without activation	Reflection from objects	Reduce sensor range
	Automatic flush activated	
Water continually runs	Valve soiled or damaged	Clean or replace valve.
Faucet is dripping	Spray head is clogged	Replace spray head
	Dirt on solenoid valve diaphragm	Clean solenoid valve diaphragm
Red light flashes during use	Battery flat	Replace the battery

WARRANTY

Galvin Engineering products are covered under our Manufacturer's Warranty. Galvin Engineering products must be installed in accordance with the installation instructions and in accordance with AS 3500 and NCC Volume Three, relevant Australian Standards and local authorities applicable to product being installed. Water and electrical supply conditions must also comply to the applicable national and/or state standards, failing to comply with these provisions may void the product warranty and affect performance of the product.

Please visit www.galvinengineering.com.au to view the full warranty, our Installation Compliance and Maintenance & Cleaning information as well as any other additional information.