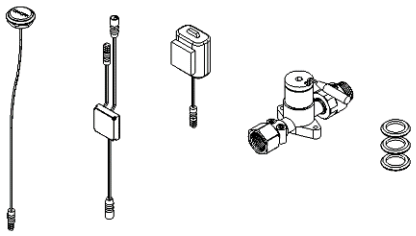
Flowmatic® Lead Safe™ Ligature Resistant Tapware Solenoid Kits with Piezo Activation – Battery Powered

PRODUCT CODES:

- **150.15.23.90 (7 Seconds Run Time)**
- **150.15.23.91 (20 Seconds Run Time)**



SPECIFICATIONS

- Nylon solenoid with Lead Free* brass adaptors.
- The water flow can be adjusted to suit different outlet types.

***IMPORTANT**: All items 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 attentions to be paid on notes, photos, images, or drawings of assembly steps marked with the warning symbol.*

TECHNICAL DATA

Inlet			G ½" - Female
Outlet			G ½" - Male
Headwork			Piezo Activation
Working Pressure Range (kPa)		Min	50
		Max	500
Working Temperature Range (°C)		Min	5
		Max	80
Sensor	Type		Piezo
	Activation		Piezo Button
Controller	Input Voltage		6.75V DC
	Program Type		Standard
	Connections		6mm 2 Pin Plug
Power Supply	Type		Battery
Solenoid	Input Voltage		6V DC
	Cable length		90mm
Finish			N/A

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

TOOLS REQUIRED

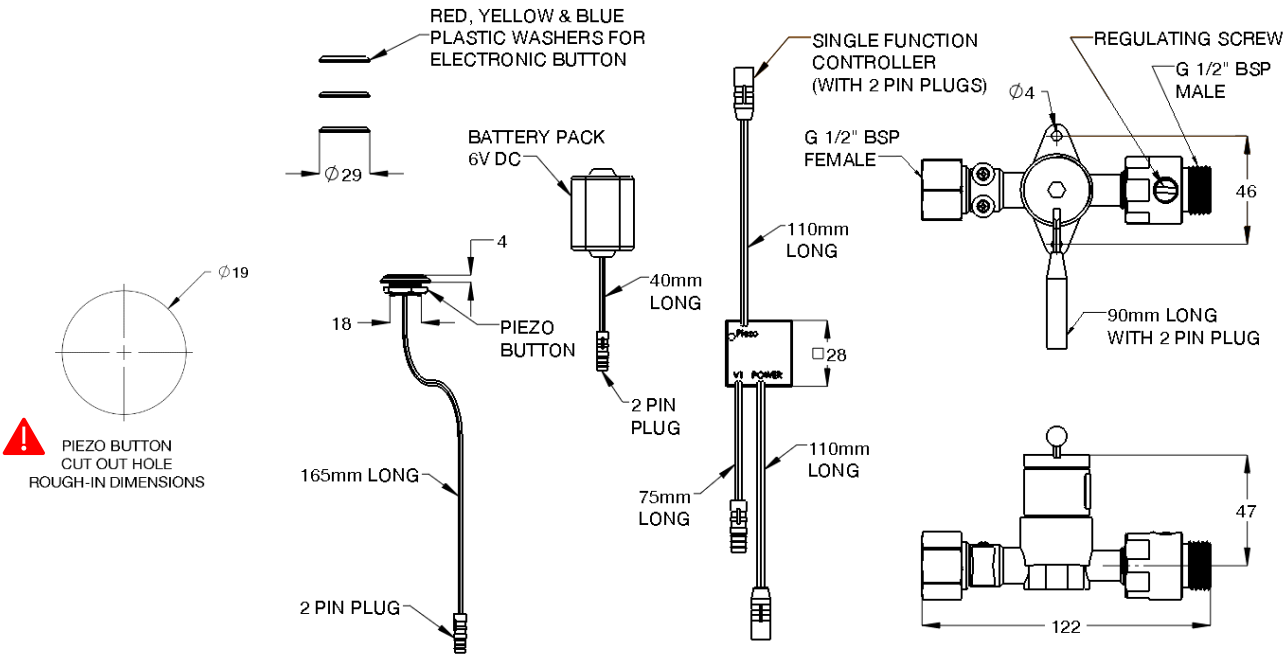
- Power drill
- Spanner or adjustable crescent
- Screwdriver

PRE-INSTALLATION - MOUNTING DETAILS

If specific changes need to be made to programming, contact Galvin Engineering.

During the commissioning process, it's important to note that the controller comes with an automatic programming lock feature. Once the initial 15-minute programming duration expires after commissioning, programming access will be disabled. Rapidly pressing the piezo button during this 15-minute commissioning window can alter programming, leading to reprogramming the controller beyond its default manufactured setting. To avoid potential issues with product functionality, please refrain from attempting to modify the programming during the commissioning period.

- If the mounting hole does not already exist, mark out and drill the hole in the bench/trough, as shown in rough-in dimensions.

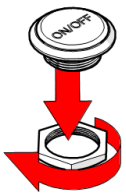


PRE-INSTALLATION

- Before installation, all lines must be flushed.
- Galvin Engineering recommends the installation of strainers and pressure reducing valves (when necessary) to ensure clean consistant supply. Debris or poor water quality could affect the performance of the unit.

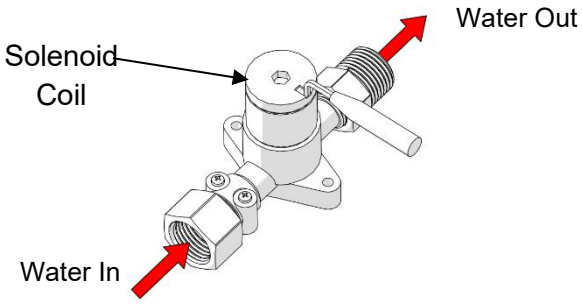
INSTALLATION

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.*



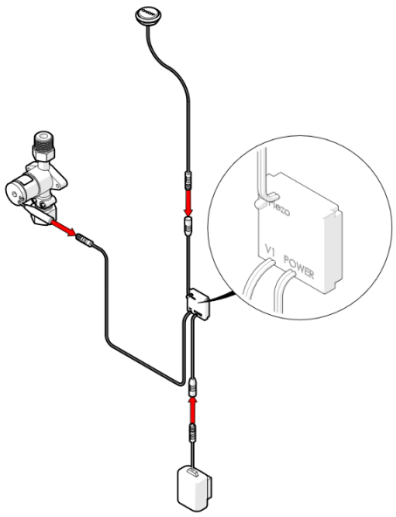
1. Fit Piezo Button

- Install piezo button through the trough ensuring that the coloured washer is in place.
- Fit & tighten the supplied nut.



2. Fit solenoid

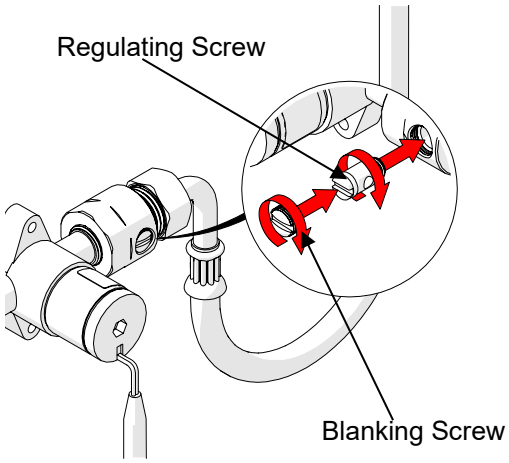
- Before installation, all lines must be flushed. We recommend that a line strainer be installed prior to the solenoid to eliminate any foreign material.
- Fix the solenoid in position ensuring that the solenoid coil is not facing downwards.
- Ensure the solenoid is mounted using the 2 anchor points shown and is in a suitable location.
- Connect mains water and the outlet using thread tape/sealant.



3. Fit connections and test

- Connect the solenoid to the male connection (marked ‘V1’) of the controller and the battery to the female connection (marked ‘POWER’).
- Connect the Piezo button to the female connection (marked ‘PIEZO’)
- Test for correct operation.
- Check for any leaks and correct operation.

⚠ ***NOTE: In the first fifteen minutes after connecting the power supply, do not repeatedly press the piezo button as this can alter the unit programming.***



4. Adjusting Flow

- To adjust water flow:
  A. Remove the blanking screw.
  B. Adjust the water flow by turning the regulator screw.
  C. Replace blanking screw.

Note: The full range from minimum flow to maximum flow is only ¼ turn.

TROUBLESHOOTING

PROBLEM	CAUSE	RECTIFICATION
Water is not flowing or inconsistent flow	Mains supply is turned off	Turn on water
	Blocked flow regulating screw	Remove flow regulating screw and clean
Rate of flow inadequate	The flow regulator screw may not be adjusted correctly	Remove blanking screw and adjust flow regulating screw as described above

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/NZS 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.

DEFINITIONS AND DISCLAMER

Galvin Engineering manufactures a range of products marked as Ligature Resistant or Vandal Resistant. Please visit www.galvinengineering.com.au to read the definition of these terms and the disclaimer that applies to these products.