

Solenoid Valves



**ATLANTIC ULTRAVIOLET
CORPORATION®** SINCE 1963

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Germicidal Ultraviolet – Equipment & Lamps

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SAFETY INSTRUCTIONS

⚠ WARNING To guard against injury, basic safety precautions should be observed, including the following:

1. Read and follow ALL safety instructions.
2. Do not use this solenoid valve for other than its intended purpose, as described in this manual.
3. Do not alter design or construction.
4. Do not remove any labels or devices.
5. **⚠ DANGER** To prevent risk of severe or fatal electrical shock, special precautions must be taken since water is present near electrical equipment. Always disconnect power before performing any services or maintenance.
6. Intended for indoor use only. The solenoid valve should be protected from the elements and from temperatures below freezing.
7. Do not operate the solenoid valve if there is visible or suspected damage to the valve or, if applicable, there is damage to power cord and/or plug.
8. Electrical power supplied to the solenoid MUST match power requirements listed on the solenoid valve coil.
9. Solenoid valve is designed to be plugged into the back of a **GUARDIAN™** UV Monitor. If it is plugged in directly to power, it should be in an approved ground fault circuit interrupt (GFCI) receptacle.
10. **⚡ ⚠ WARNING** Do not operate without proper electrical ground.
11. When used with any of our water purifiers, do not exceed maximum recommended operating pressure of 100 PSI.
12. Read and follow all notices and warnings on the solenoid valve.
13. **SAVE THESE INSTRUCTIONS.**

OPERATION

1. Examine **Promate™** Solenoid Valve for transport damage. If there is a problem, please contact the carrier and file a claim. Please advise our office and make necessary arrangements for a replacement shipment.
2. Compare the technical description of the valve (voltage & cycles) on the valve tag with your application requirements. Valve technical description is located on coil.
3. Install at recommended location (see **Figure 1** and **Figure 2**).
4. Keep dirt and debris out of valve and piping.
5. Flow arrows on valve indicate flow direction.
6. Do not use valve or coil as a lever when installing.
7. Make all electrical and plumbing connections in accordance with federal, state and local regulations.
8. Note: **Promate™** Solenoid Valve is suitable for indoor use only.
9. For technical support, call Atlantic Ultraviolet Corporation® at (631) 273-0500.

TECHNICAL SPECIFICATIONS

Table 1 – Specifications

Part Number	Pipe Size	Material	Voltage	Hertz	Pressure Range ①
27-3340	3/4" NPT	Brass / Lead Free	120v	50/60 Hz	2 to 230 PSI
27-3341	1" NPT	Brass / Lead Free	120v	50/60 Hz	2 to 230 PSI
27-3342	1-1/2" NPT	Brass / Lead Free	120v	50/60 Hz	2 to 150 PSI
27-3123	2" NPT	Nickel Coated Brass	120v	50/60 Hz	2 to 150 PSI
27-3344	3/4" NPT	Brass / Lead Free	220v/240v	50/60 Hz	2 to 230 PSI
27-3345	1" NPT	Brass / Lead Free	220v/240v	50/60 Hz	2 to 230 PSI
27-3346	1-1/2" NPT	Brass / Lead Free	220v/240v	50/60 Hz	2 to 150 PSI
27-3127	2" NPT	Nickel Coated Brass	220v/240v	50/60 Hz	2 to 150 PSI
27-3353	3/4" NPT	Brass / Lead Free	12v ②	60 Hz	2 to 230 PSI
27-3354	1" NPT	Brass / Lead Free	12v ②	60 Hz	2 to 230 PSI
27-3355	1-1/2" NPT	Brass / Lead Free	12v ②	60 Hz	2 to 230 PSI
27-3356	2" NPT	Nickel Coated Brass	12v ②	60 Hz	2 to 230 PSI

- ① When used with our water purifiers, maximum recommended pressure is 100 psi.
- ② Designed to work with our Digital **GUARDIAN™** Monitor models 30-8250, 30-8251, 30-8252, 30-8253, 30-8255, and 30-8257. Do **NOT** use 12v valves with any other **GUARDIAN™** models.

Table 2 – Repair Kits (Includes Diaphragm, Plunger, and O-Rings)

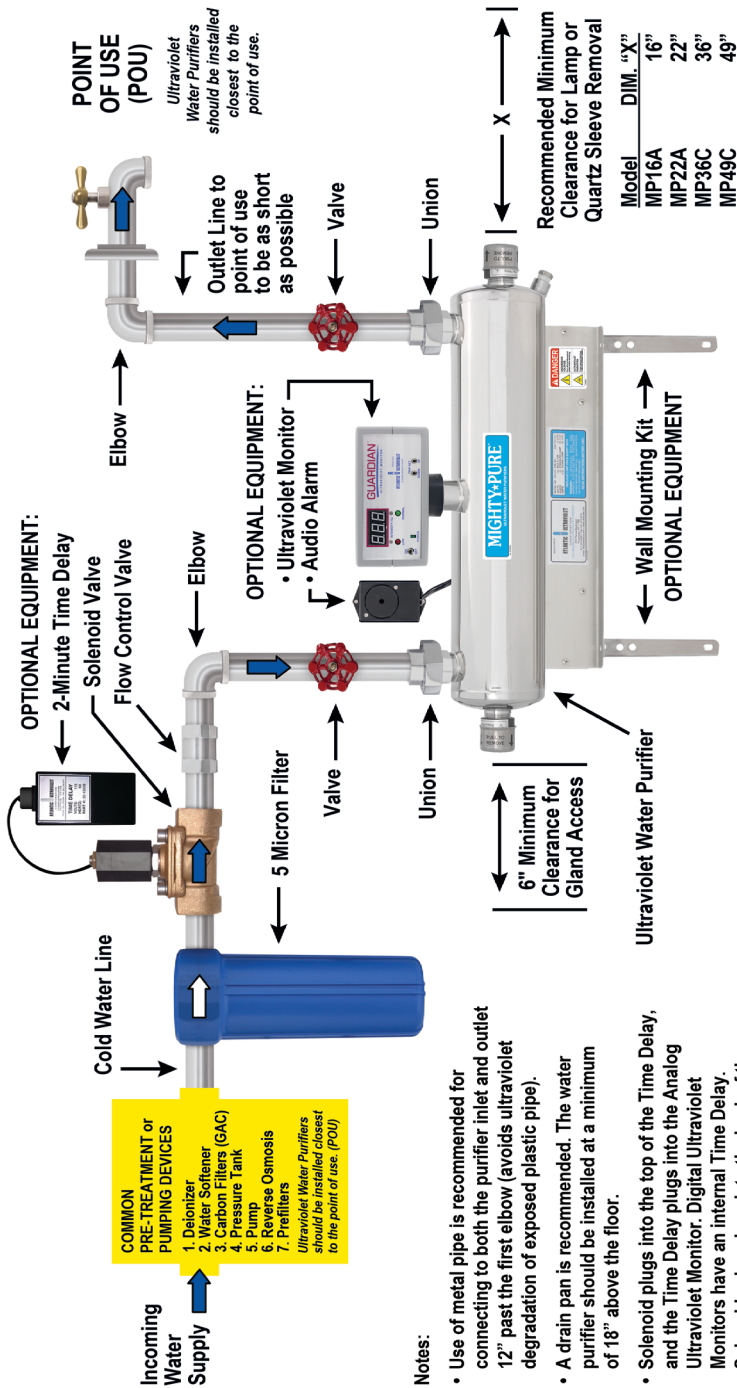
Part Number	Pipe Size
27-3131	3/4" NPT
27-3131	1" NPT
27-3132	1-1/2" NPT
27-3133	2" NPT

Table 3 – Coils

Part Number	Voltage
27-3128	120v
27-3129	220v/240v
27-3357	All Digital Models

All specifications, dimensional data, etc are approximate and subject to change without notice for all Digital Monitors.

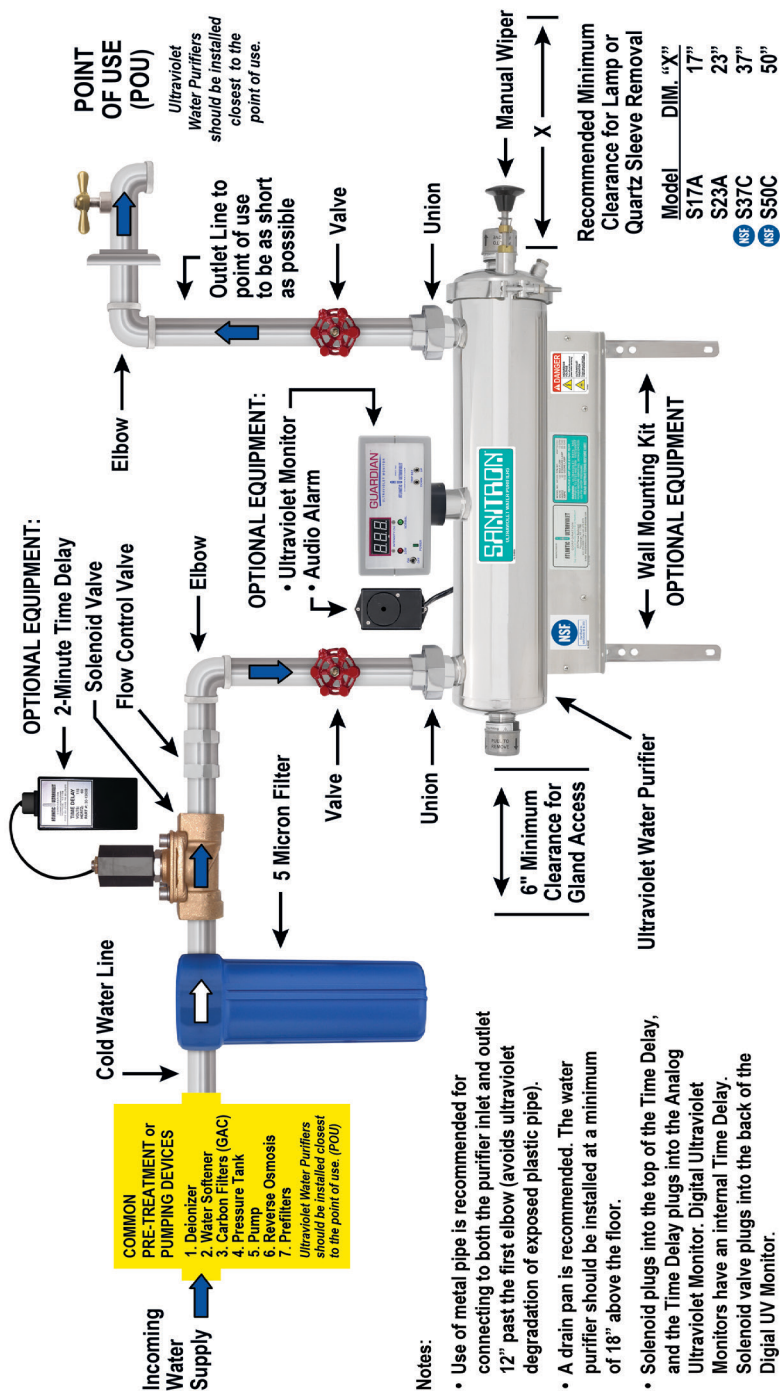
Figure 1 – MIGHTY★PURE® Recommended Installation



Notes:

- Use of metal pipe is recommended for connecting to both the purifier inlet and outlet 12" past the first elbow (avoids ultraviolet degradation of exposed plastic pipe).
- A drain pan is recommended. The water purifier should be installed at a minimum of 18" above the floor.
- Solenoid plugs into the top of the Time Delay, and the Time Delay plugs into the Analog Ultraviolet Monitor. Digital Ultraviolet Monitors have an internal Time Delay. Solenoid valve plugs into the back of the Digital UV Monitor.

Figure 2 – SANITRON® Recommended Installation



MAINTENANCE NOTES

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WARRANTY & PRODUCT REGISTRATION

We warrant this product to the original owner to be free from defects in material and workmanship when installed in accordance with Atlantic Ultraviolet Corporation® specifications for a period of time as follows:

UV Water Purifier Chambers – Type 316 stainless steel chambers will have a Twelve (12) year Limited Warranty on the stainless steel chamber, from the date of original purchase while the Type 304 stainless steel chambers will have a Six (6) year Limited Warranty on the stainless steel chamber.

UV Air Disinfection Housing – Three (3) year Limited Warranty on the metal housing, from the date of original purchase.

Ballasts – Three (3) year Limited Warranty, from the date of original purchase.

UV Lamps, Monitoring Devices, Optional Accessories, and Other Parts – One (1) year Limited Warranty from the date of original purchase.

Within the warranty period we shall repair or replace such products, which are returned to us with shipping charges prepaid and which are determined by us to be defective. This warranty will not apply to any product, which has been subjected to misuse, negligence or accident; or misapplied; or modified; or repaired by unauthorized person; or improperly installed. Warranty will be null and void if any of the product’s original labels are removed. This Limited warranty excludes the cost of labor.

The Buyer shall inspect the product promptly after receipt and shall notify us at our main office in writing of claims, including claims of breach of warranty, within thirty (30) days after the Buyer discovers or should have discovered the facts upon which the claim is based. Failure of the Buyer to give written notice of a claim within the time period shall be deemed to be a waiver of such claim.

The provisions of the above warranty are our sole obligation and exclude all other remedies or warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose, whether or not purposes or specifications are described herein. We further disclaim any responsibility whatsoever to the customer, or to any person for injury to person, damage to, or loss of property or value caused by any product which has been subjected to misuse, negligence, accident; or modified or repaired by unauthorized persons; or improperly installed.

Under no circumstances shall the Company be liable for any incidental, consequential or special damages; losses or expenses arising from the contract for this product, or in connection with the use of, or inability to use, our product for any purpose whatsoever.

Be sure to register your product and validate purchase within 30 days — registration is simple and will take less than 2 minutes to do.

NOTE – failure to register your purchase may jeopardize warranty.

Go to Ultraviolet.com and scroll down to the bottom of the page, under “Trust” click the “Warranty Registration Form”, complete and click “Submit”. Or click on “Warranty Registration PDF” to download the warranty registration card as a PDF, complete and mail to us at 375 Marcus Boulevard, Hauppauge, NY 11788, or simply fax to 631-273-0771. If you prefer to register by phone, please call 631-273-0500 and our customer service staff will be glad to assist you.

For your convenience, record the following information below. The model and serial number can be found on a label located on the **Promate™** Solenoid Valve. Keep this manual, along with proof of purchase, handy when contacting our offices.

Purchased From:	Date:
Model:	Serial No.:

Disclaimer: The information and recommendations contained in this publication are based upon data collected by the Atlantic Ultraviolet Corporation® and are believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. Specifications and information are subject to change without notice.