



# CONSUMER'S FILTER MANUAL

## PROMATE 6.0 FILTER



Franklin Water Treatment, LLC  
hellenbrand.com

This owner's manual is designed to assist owners and installers with the operation, maintenance and installation of your new water filter. It is our sincere hope that this manual is clear, concise and helpful to both owner and installer. We have included detailed instructions on general operating conditions, pre-installation and installation instructions, start-up, and timer and meter programming. We have included a troubleshooting guide, service instructions and parts diagrams to assist you.

Owners will appreciate the simplified, illustrated format for operation, programming and troubleshooting. **In the event that you need professional assistance for servicing your water filter, please contact the dealer who installed this system.**

## TABLE OF CONTENTS

General Specifications .....	2
Pre-Installation Check List .....	3
Programming.....	4
Initial Start-Up .....	4
Time of Day .....	5
Troubleshooting.....	6
Parts Diagrams.....	7-11
Warranty .....	12

## GENERAL SPECIFICATIONS

### OPERATING PRESSURES

Minimum/Maximum .....	Minimum 30 psi Optimum Range 40-65 psi <sup>1</sup> Maximum 100 psi
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### OPERATING TEMPERATURES

Minimum/Maximum .....	40° - 110° F
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### METER

Accuracy .....	±5%
Flow Rate Range.....	0.25 - 27 GPM
Gallon Range.....	20 - 250,000

### DIMENSIONS

Drain Line .....	3/4" or 1" NPT
Regenerant Line .....	3/8" Poly Tube

**ELECTRICAL CURRENT DRAW/VOLTAGE/FREQUENCY**.....0.5A/110v/60Hz

Compatible with the following regenerants or chemicals: Sodium chloride, potassium permanganate, sodium bisulfite, sodium hydroxide, hydroxide, hydrochloric acid, chlorine and chloramines.

<sup>1</sup>Operating outside of the optimum pressure range may affect system function. Contact your Hellenbrand support team for information.

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Dealer Name \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_ Email \_\_\_\_\_

\_\_\_\_\_

# PRE-INSTALLATION CHECK LIST

(All electrical & plumbing should be done in accordance to all local codes)

**Water Pressure:** A minimum of 30 pounds of water pressure (psi) is required for regeneration. Maximum 125 psi.

**Water Quality:** On rural water supplies there is often a problem with sand or sediment in the water. (This problem occasionally occurs in public water supplies.) If the water is not filtered before being treated, the sand and sediment may restrict flow through the filter bed. This problem often requires rebedding of the mineral tank. **Note:** Well and/or pump problems affecting the operation of the filter are repairs that are not covered under warranty. To prevent these unnecessary and expensive repairs that are not covered under warranty, installation of an in-line filter system ahead of a water filter is recommended when sand or sediment issues are present.

**Electrical:** A continuous 110 volt 60 cycle current supply is required. Make certain the current supply is uninterrupted and cannot be turned off with another switch. All electrical connections must be connected per local codes. **Surge protection is recommended with all electric controls.**

**Existing Plumbing:** Condition of existing plumbing must be free from lime and iron build-up. Piping that is built-up heavily with lime and/or iron must be replaced. If piping is blocked with iron, correct problem prior to installing the filter.

**Drain Line:** The filter should be located close to a drain. Avoid overhead drain lines if possible to prevent back pressure. Overhead drains are not to exceed 8 feet above the floor and no more than 20 feet in length. The pipe size for the drain line should be a minimum of 3/4". Backwash flow rates in excess of 7 gpm or length in excess of 20' require 1" drain line.

**Bypass Valves:** Always provide for the installation of a bypass valve.

**Caution:** Water temperature is not to exceed 110°F; the conditioner cannot be subject to freezing conditions, or to a vacuum due to loss of pressure (such as a water main break).

**This water filter is not intended to be used for treating water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after treatment.**

## BYPASS VALVE OPERATION

NORMAL OPERATION

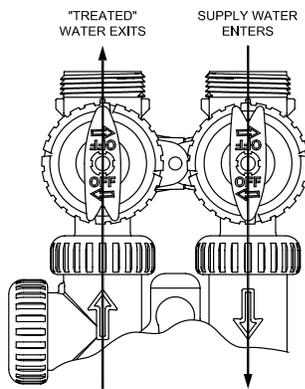


Figure 2

BYPASS OPERATION

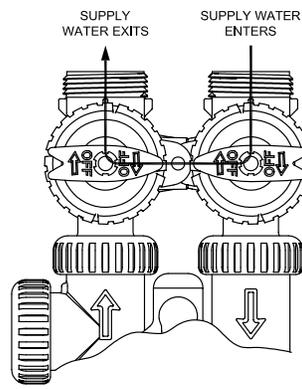


Figure 3

DIAGNOSTIC MODE

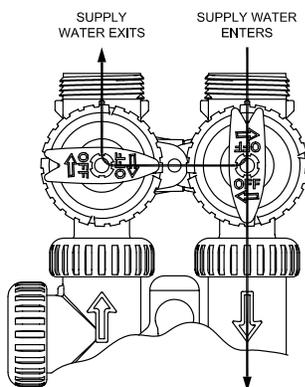


Figure 4

SHUT OFF MODE

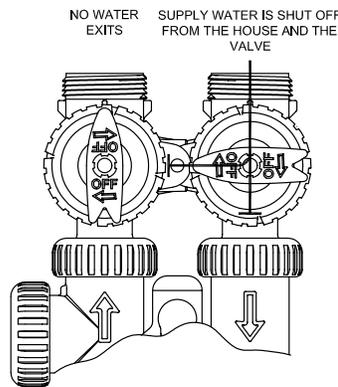


Figure 5

# PROGRAMMING

## General Information

The ProMate-6.0 control valve is the “brain” of your water filter. It consists of the valve body and powerhead with solid state microprocessor.

The display panel (see Figure 7) consists of the LCD display and five push buttons which are used in displaying and programming the water filter settings.

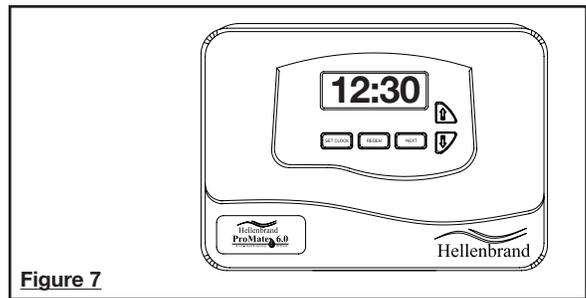


Figure 7

## Initial Start Up

The initial start up will probably be done by the technician installing the filter system. If not, the following instructions will step through the process.

Some filters should not be backwashed in first 24 hours. This start-up procedure allows rinsing without passing through backwash mode under water pressure.

Filter control is sent from factory in RINSE position; to verify position, remove cover and confirm piston is completely back in barrel away from PC board. In service position, piston is completely out, flush with PC board.

Complete all plumbing connections; inlet, outlet and drain line.

1. Verify filter tank is in bypass position.
2. Flush cold water piping to nearest outlet/faucet until air is gone and water is clear.
3. Open inlet valve slowly to fully open position.
4. DO NOT PLUG IN FILTER CONTROL NOW.

5. Let filter run to drain for 10 minutes or until water clear. Filter is in rinse position.
6. CLOSE INLET TO FILTER; WAIT UNTIL WATER STOPS RUNNING TO DRAIN.
7. Plug filter control into 120V outlet; remove filter cover and plug power wire to 4-prong, connect (second from right) at bottom of circuit board, labeled 12 VAC. Electronics will move piston to service position. Replace filter cover.
8. Open inlet and outlet to filter.
9. Push SET CLOCK button and use up & down arrows to set time of day. Additional programming can be modified if desired.

Failure to follow proper start-up may result equipment malfunction not covered by warranty.

# USER DISPLAYS/SETTINGS

## General Operation

When the system is operating, one of three displays may be shown. Pressing NEXT will alternate between the displays. One of the displays is the current time of day. The second display is one of the following: days to a regen or gallons remaining. Days To A Regen is the number of days left before the system goes through a regeneration cycle. Capacity remaining is the number of gallons that will be treated before the system goes through a regeneration cycle. The third display is current flow in gal/min. The user can scroll between the displays as desired by pushing NEXT or display will scroll automatically.

When water is being treated (i.e. water is flowing through the system) the word "GPM" flashes on left side of display when other than flow rate is displayed.

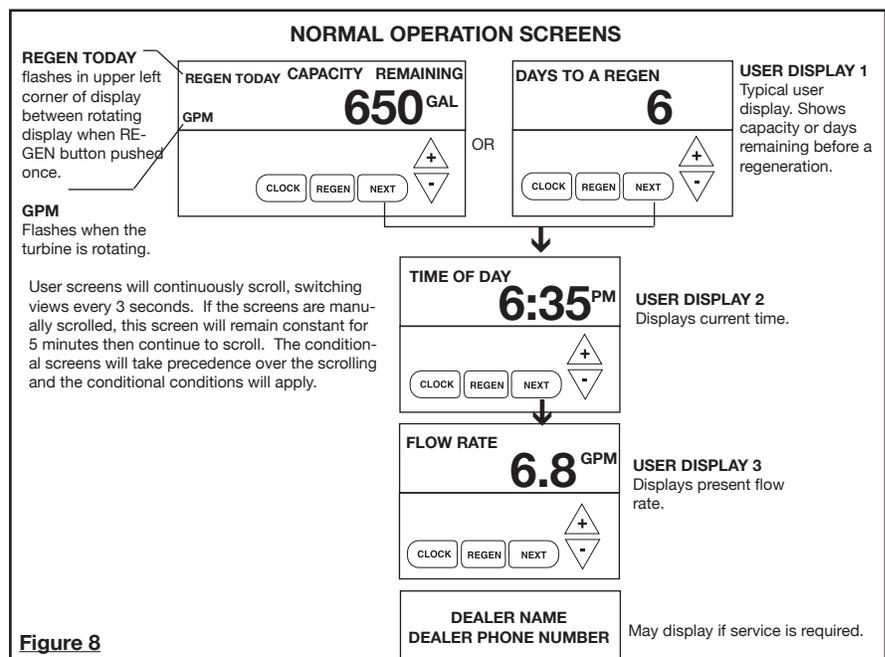


Figure 8

## SET TIME OF DAY

▲ = ▲ Up Arrow    ▼ = ▼ Down Arrow

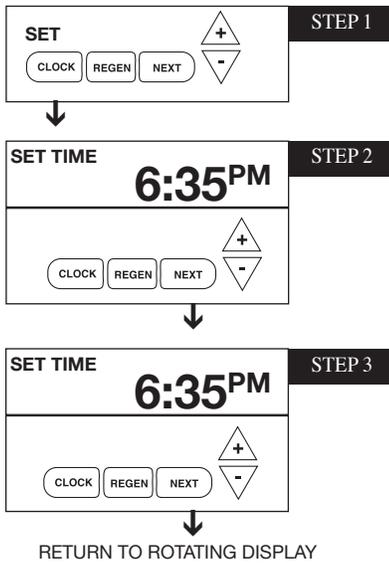


Figure 9

**Step 1** - Press SET CLOCK.

**Step 2** - Current Time (**hour**): Set the hour of the day using ▲ or ▼ buttons. AM/PM toggles after 12. Press NEXT to go to step 3.

**Step 3** - Current Time (**minutes**): Set the minutes of day using ▲ or ▼ buttons. Press NEXT to exit Set Clock. Press REGEN to return to previous step.

**Power Loss** - Lithium battery on circuit board provides up to 2 years of time clock backup during power outages. If the power is out when battery is depleted, only time of day needs to be reset, all other values are stored in non-volatile memory. When time of day is flashing, replace lithium coin type 2032 battery.

Battery back-up feature will be activated after 24 hours of power.

Do not forget to reset for daylight savings time.

## Manual Regeneration

Sometimes there is a need to regenerate the system, sooner than when the system calls for it, usually referred to as manual regeneration. There may be a period of heavy water usage because of guests or a heavy laundry day.

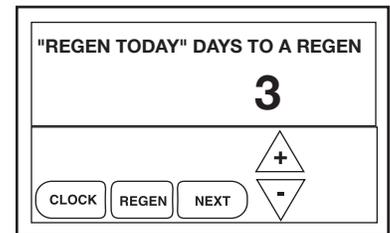
**To initiate a manual regeneration at the preset delayed regeneration time, press and release “REGEN”.** The words “REGEN TODAY” will flash in left corner of display to indicate that the system will regenerate at the preset delayed regeneration time. **If you pressed the “REGEN” button in error, pressing the button again will cancel the request.**

**To initiate a manual regeneration immediately, press and hold the “REGEN” button for three seconds.** The system will begin to regenerate immediately. The request cannot be cancelled. You must cycle all the way through the cycles to make it stop. PLEASE NOTE: This will reset the meter.

## Regeneration Mode

Typically a system is set to regenerate at a time of low water usage. An example of a time with low water usage is when the household is asleep. If there is a demand for water when the system is regenerating, untreated water will be supplied.

When the system begins to regenerate, the display will change to include information about the step of the regeneration process and the time remaining for that step to be completed. The system runs through the steps automatically and will reset itself to provide treated water when the regeneration has been completed.



**Regeneration Step**  
(shows time remaining in regen step  
is 8 minutes, 22 seconds)



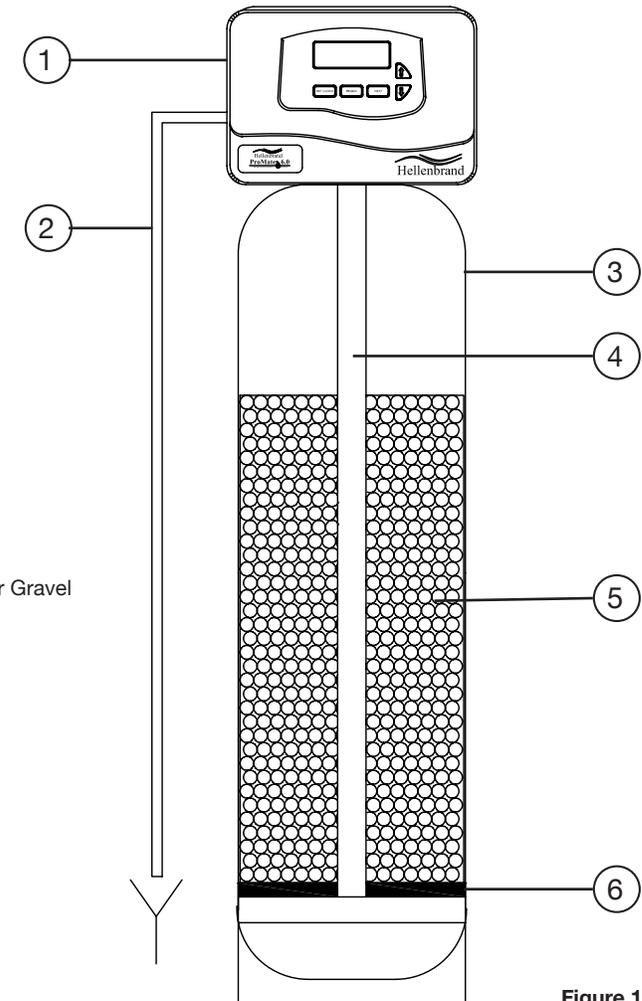
Figure 11

# TROUBLE SHOOTING

PROBLEM	CAUSE	CORRECTION
1. Control valve stalled in regeneration	<ul style="list-style-type: none"> <li>A. Motor not operating</li> <li>B. No electric power at outlet</li> <li>C. Defective transformer</li> <li>D. Defective PC board</li> <li>E. Broken drive gear or drive cap assembly</li> <li>F. Broken piston retainer</li> <li>G. Broken main or regenerant piston</li> </ul>	<ul style="list-style-type: none"> <li>A. Replace Motor</li> <li>B. Repair outlet or use working outlet</li> <li>C. Should provide 12 volts when plugged into outlet, if not, replace transformer</li> <li>D. Replace PC board</li> <li>E. Replace drive gear or drive cap assembly</li> <li>F. Replace drive cap assembly</li> <li>G. Replace main or regenerant piston</li> </ul>
2. Blank or incomplete LCD display	<ul style="list-style-type: none"> <li>A. Transformer unplugged</li> <li>B. No electric power at outlet</li> <li>C. Defective transformer</li> <li>D. Short in meter</li> <li>E. Check battery, should be greater than 3 volts</li> <li>F. Defective PC board</li> </ul>	<ul style="list-style-type: none"> <li>A. Connect to power</li> <li>B. Repair outlet or use working outlet</li> <li>C. Should provide 12 volts when plugged into outlet, if not, replace transformer</li> <li>D. Unplug meter from PC board, if LED lights appropriately, replace meter assembly.</li> <li>E. Replace battery if less than 3 volts</li> <li>F. Replace PC board</li> </ul>
3. Control does not display correctly	<ul style="list-style-type: none"> <li>A. Power outage &gt; 2 years time of day</li> <li>B. Power outage &lt; 2 years, time of day flashing, battery depleted</li> </ul>	<ul style="list-style-type: none"> <li>A. Reset time of day, replace lithium coin type battery on circuit board</li> <li>B. Reset time of day, replace lithium coin type battery on circuit board</li> </ul>
4. No "filtering" display when water is flowing	<ul style="list-style-type: none"> <li>A. Bypass valve in bypass position</li> <li>B. Meter connection disconnected</li> <li>C. Restricted/stalled meter turbine</li> <li>D. Defective meter</li> <li>E. Defective PC board</li> </ul>	<ul style="list-style-type: none"> <li>A. Put bypass valve in service position</li> <li>B. Connect meter to PC board</li> <li>C. Remove meter and check for rotation, clean foreign material</li> <li>D. Replace meter</li> <li>E. Replace PC board</li> </ul>
5. Control valve regenerates at wrong time of day	<ul style="list-style-type: none"> <li>A. Power outages</li> <li>B. Time of day not set correctly</li> <li>C. Time of regeneration incorrect</li> <li>D. Control valve set at "on 0" (immediate regeneration)</li> <li>E. Control valve set at NORMAL + on 0</li> </ul>	<ul style="list-style-type: none"> <li>A. Reset control valve to correct time of day</li> <li>B. Reset to correct time of day</li> <li>C. Reset regeneration time</li> <li>D. Check control valve set-up procedure regeneration time option</li> <li>E. Check control valve set-up procedure regeneration time option</li> </ul>

# PROMATE-6.0 FILTER

Item	Description	Qty	Part #
1	Control Valve	1	V1HPBMZ-01HB (Specify Drain Line Flow Control, See page 18)
3 & 4	Mineral Tank Assembly		<u>Tank &amp; Distributor Assy</u>
	PM6 8x44	1	110560
	PM6 9x48	1	110561
	PM6 10 x 44	1	110562
	PM6 10 x 54	1	110563
	PM6 12 x 52	1	110564
	PM6 13 x 54	1	110565
	PM6 14 x 65	1	110566
	PM6 16 x 65	1	110567
	PM6 18 x 65	1	110568
	PM6 21 x 62	1	110569
5	Filter Media	*	*Contact dealer for filter media type & quantity
6	Underbedding	*	*Contact dealer for underbedding type & quantity
-	Owners Manual	1	800791

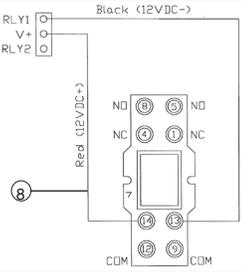


1. Control Valve
2. Drain Line
3. Filter Tank
4. Distributor Tube
5. Filter Media
6. Plate Distributor or Gravel

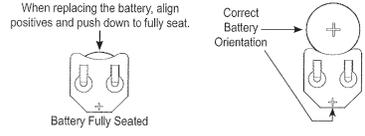
Compatible with the following regenerants or chemicals: Sodium chloride, potassium permanganate, sodium bisulfite, sodium hydroxide, hydrochloric acid, chlorine and chloramines.

**Figure 13**

## FRONT COVER AND DRIVE ASSEMBLY



**Optional Relay Kit  
Item #7**



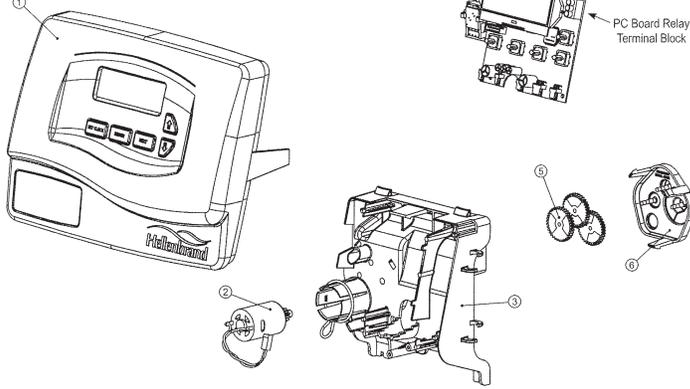
When replacing the battery, align positives and push down to fully seat.

Battery Fully Seated

Correct Battery Orientation

Battery replacement is 3 volt lithium coin cell type 2032.

ITEM NO.	ORDER NO.	DESCRIPTION	QTY.
1	103473	Cover Assy w/Label	1
2	V3107-01	Motor	1
3	101262	Drive Bracket & Spring Clip	1
4	V3578HP-02BOARD	PC Board	1
5	V3110	Drive Gear 12x36	3
6	V3109	Drive Gear Cover	1
7	Relay Kit Options:		1
	103724	PCM Relay Installed	
	103723	PCM Relay Kit	
	103730	Pigtail Relay Installed	
	103729	Pigtail Relay Kit	
8	102385	Relay Only	1
Not Shown	V3186-06	Transformer 110V-15V DC	1



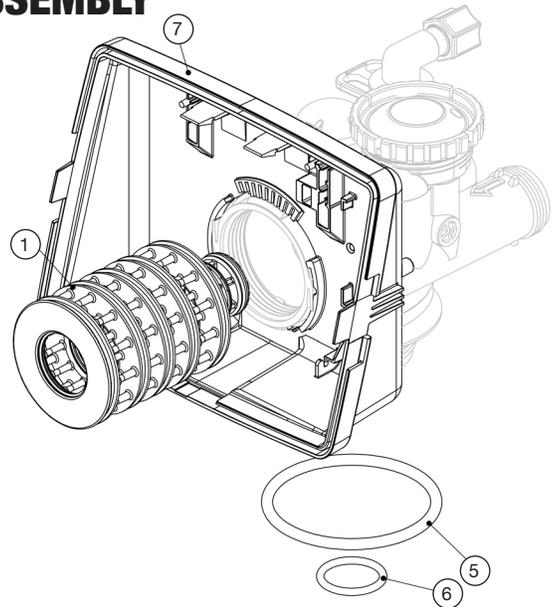
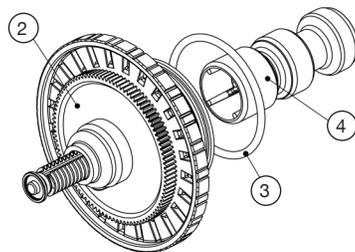
After completing any valve maintenance involving the drive assembly or the drive cap assembly and pistons, press and hold NEXT and REGEN buttons for 3 seconds or unplug power source jack from the printed circuit board (black wire) and plug back in. This resets the electronics and establishes the service piston position. The display should flash all wording, then flash the software version (ex: 214) and then reset the valve to the service position.

**Figure 14**

## DRIVE CAP ASSEMBLY, DOWNFLOW PISTON, REGENERANT PISTON AND SPACER STACK ASSEMBLY

ITEM NO.	ORDER NO.	DESCRIPTION	QTY.
1	V3005-02	Spacer Stack Assy	1
2	V3430-01	Drive Cap Assy.	1
3	V3135	O-Ring 228 -Drive Cap Assy.	1
4	V3011	Piston Downflow Assy.	1**
5	V3180	O-ring 337-tank	1
6	V3105	O-ring - Distributor Tube	1
7	V3343	Back Plate	1
8	V3193-02	Service Wrench - Not Shown	1

\*V3011 is labeled with DN and V3011-01 is labeled with UP.  
 Note: The regenerant piston is not used in backwash only applications.  
 \*\*Standard Option.



**Figure 15**

Do not use vaseline, oils, other hydrocarbon lubricants or spray silicone anywhere. A silicone lubricant may be used on black o-rings but is not necessary. **Avoid any type of lubricants, including silicone, on red or clear lip seals.**

After completing any valve maintenance involving the drive assembly or the drive cap assembly and pistons, press and hold NEXT and REGEN buttons for 3 seconds or unplug power source jack from the printed circuit board (black wire) and plug back in. This resets the electronics and establishes the service piston position. The display should flash all wording, then flash the software version (ex: 214) and then reset the valve to the service position.

# INJECTOR CAP, INJECTOR SCREEN, INJECTOR, PLUG AND O-RING

ITEM NO.	ORDER NO.	DESCRIPTION	QTY.
1	V3176-01	Injector Cap	1
2	V3152	O-ring 135	1
3	V3177-01	Injector Screen	1
4	V3010-1Z	Injector Assy. Z Plug-Filter	1
5	V3010-1A	Injector Assy. A Black	1
	V3010-1B	Injector Assy. B Brown	
	V3010-1C	Injector Assy. C Violet	
	V3010-1D	Injector Assy. D Red	
	V3010-1E	Injector Assy. E White	
	V3010-1F	Injector Assy. F Blue	
	V3010-1G	Injector Assy. G Yellow	
	V3010-1H	Injector Assy. H Green	
	V3010-1I	Injector Assy. I Orange	
	V3010-1J	Injector Assy. J Light Blue	
	V3010-1K	Injector Assy. K Light Green	
Not Shown	V3170	O-ring 011	*
Not Shown	V3171	O-ring 013	*

\* The injector plug and the injector each contain one 011 (lower) and 013 (upper) o-ring.

Note: For upflow position, injector is located in the up hole and injector plug in the down hole. For a filter that only backwashes injector plugs are located in both holes.

The nuts and caps are designed to be unscrewed or tightened by hand or with the special plastic wrench. If necessary a pliers can be used to unscrew the nut or cap. Do not use a pipe wrench to tighten or loosen nuts or caps. Do not place screwdriver in slots on caps and/or tap with a hammer.

Do not use pipe dope or other sealants on threads. Teflon tape must be used on threads of the 1" NPT connection and on the threads for the drain line connection. Teflon tape is not necessary on the nut connection nor caps because of o-rings seals.

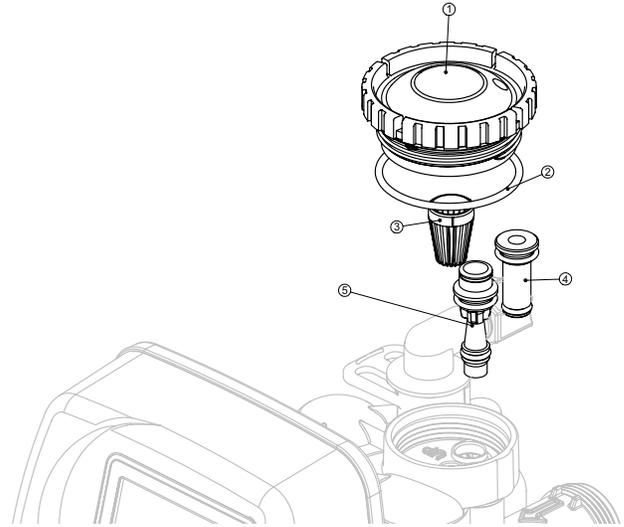
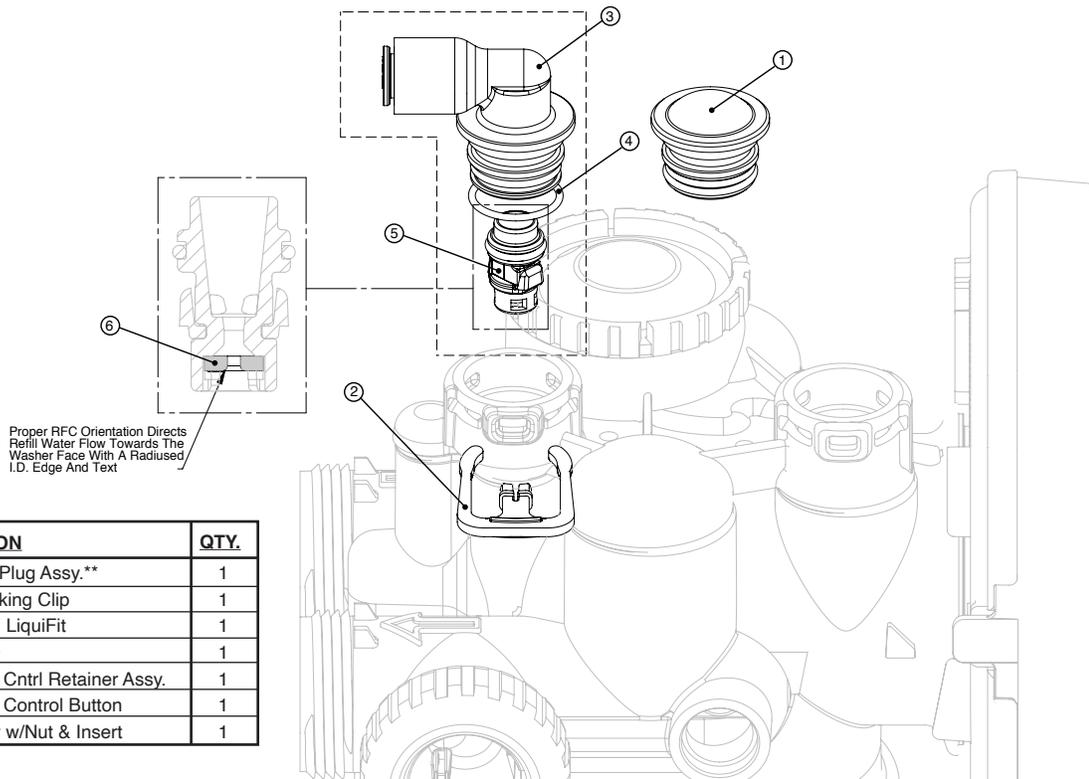


Figure 16

# REFILL AND REFILL PORT PLUG



ITEM NO.	ORDER NO.	DESCRIPTION	QTY.
1	V3195-01	Refill Port Plug Assy.**	1
2	H4615	Elbow Locking Clip	1
3	V4144-01	Elbow 3/8" LiquiFit	1
4	V3163	O-ring 019	1
5	V3165-01*	Refill Flow Cntrl Retainer Assy.	1
6	V3182	Refill Flow Control Button	1
Not Shown	101617	1/2" Elbow w/Nut & Insert	1

\*Assembly includes item #6.

\*\*This part is required for backwash only systems.

Figure 17

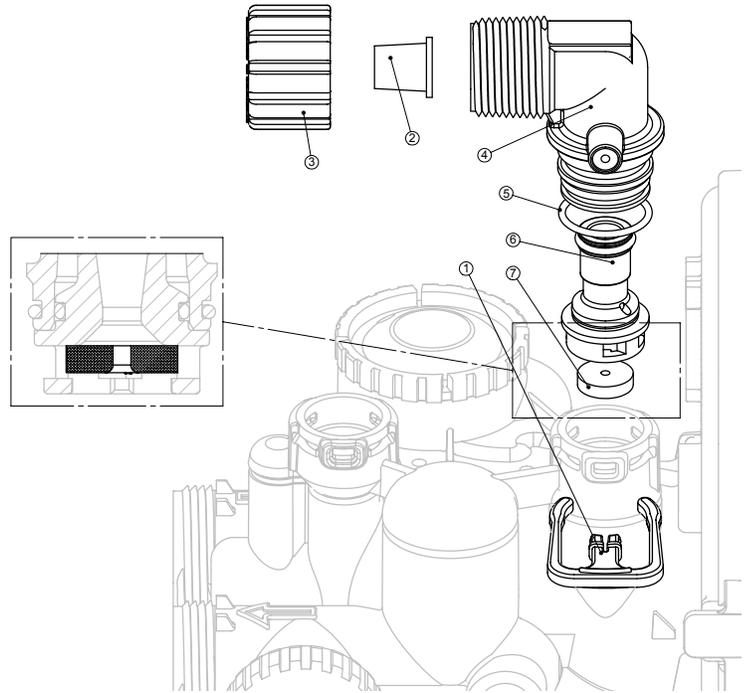
## DRAIN LINE - 3/4"

ITEM NO.	ORDER NO.	DESCRIPTION	QTY.
1	H4615	Elbow Locking Clip	1
2	PKP10TS8-BULK	Polytube Insert, 5/8"	Optional
3	V3192	Nut 3/4" Drain Elbow	Optional
<b>4-5</b>	<b>V3158-02</b>	<b>Drain Elb 3/4" Male Assy-No Vent</b>	<b>1</b>
4-5	V3158-01	Drain Elb 3/4" Male Assy-Vent	Optional
5	V3163	O-ring 019	1
6	V3159-01	DLFC Retainer Assy.	1
7	V3162-007	DLFC 0.7 gpm for 3/4"	1
	V3162-010	DLFC 1.0 gpm for 3/4"	
	V3162-013	DLFC 1.3 gpm for 3/4"	
	V3162-017	DLFC 1.7 gpm for 3/4"	
	V3162-022	DLFC 2.2 gpm for 3/4"	
	V3162-027	DLFC 2.7 gpm for 3/4"	
	V3162-032	DLFC 3.2 gpm for 3/4"	
	V3162-042	DLFC 4.2 gpm for 3/4"	
	V3162-053	DLFC 5.3 gpm for 3/4"	
	V3162-065	DLFC 6.5 gpm for 3/4"	
	V3162-075	DLFC 7.5 gpm for 3/4"	
		One DLFC must be used if 3/4 fitting is used	

Systems are shipped without 3/4" nut for drain elbow (polytube installation only) and 5/8" polytube insert (polytube installation only).

See System Specifications DLFC for correct DLFC size for your unit.

**Drain elbow without vent is standard on all filters.**



**Figure 18**

## DRAIN LINE - 1"

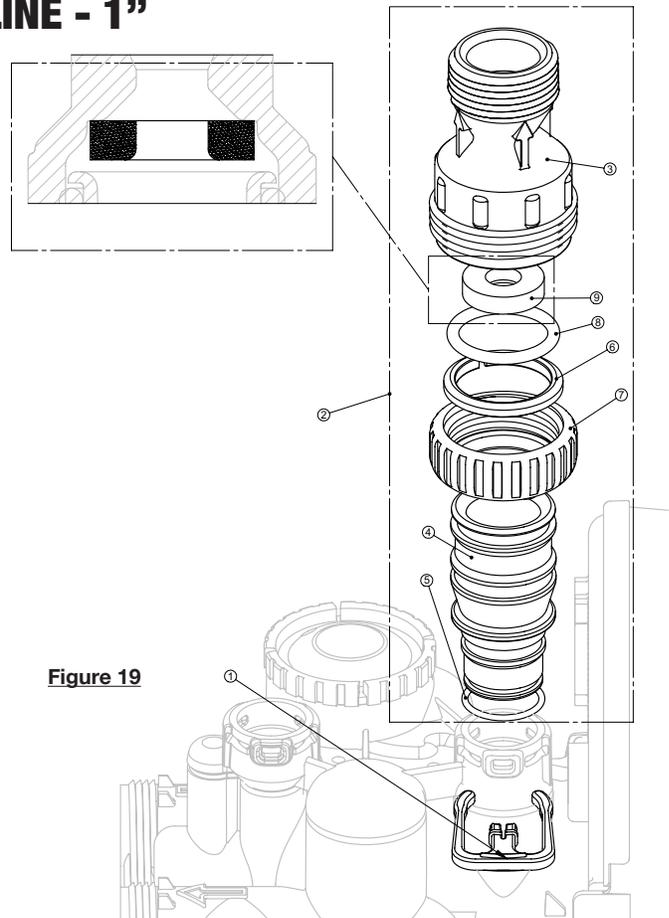
ITEM NO.	ORDER NO.	DESCRIPTION	QTY.
1	H4615	Elbow Locking Clip	1
2	<b>V3008-04</b>	<b>Drain Ftg, 1" Straight Assy-No Vent</b>	<b>1</b>
2	V3008-02	Drain Ftg, 1" Straight Assy-Vent	Optional
3*	V3166	Drain Ftg Body, 1"	1
4*	V3167	Drain Ftg Adapter, 1"	1
5*	V3163	O-ring 019	1
6*	V3150	Split Ring	1
7*	V3151	Nut, 1" QC	1
8*	V3105	O-ring 215	1
9	V3190-090	DLFC 9.0 gpm for 1"	
	V3190-100	DLFC 10.0 gpm for 1"	
	V3190-110	DLFC 11.0 gpm for 1"	
	V3190-130	DLFC 13.0 gpm for 1"	
	V3190-150	DLFC 15.0 gpm for 1"	
	V3190-170	DLFC 17.0 gpm for 1"	
	V3190-200	DLFC 20.0 gpm for 1"	
	V3190-250	DLFC 25.0 gpm for 1"	
		One DLFC must be used if 1" fitting is used	

See System Specifications DLFC for correct DLFC size for your unit.

The nuts and caps are designed to be unscrewed or tightened by hand or with the special plastic wrench. If necessary a pliers can be used to unscrew the nut or cap. Do not use a pipe wrench to tighten or loosen nuts or caps. Do not place screwdriver in slots on caps and/or tap with a hammer.

Do not use pipe dope or other sealants on threads. Teflon tape must be used on threads of the 1" NPT connection and on the threads for the drain line connection. Teflon tape is not necessary on the nut connection nor caps because of o-rings seals.

**Drain elbow without vent is standard on all filters.**



**Figure 19**

# WATER METER AND METER PLUG

ITEM NO.	ORDER NO.	DESCRIPTION	QTY.
1	V3151	Nut 1" QC	1
2-4	V3003-05	Meter Assy.	1
3	V3118-01	Turbine Assy.	1
4	V3105	O-ring 215	1
5	V3003-01	Meter Plug Assy.**	1

\*Order number 102051 includes 102687 and 102165, which are item numbers 3 & 4.

\*\*Only used if metering is not to be done (time clock units)

The nuts and caps are designed to be unscrewed or tightened by hand or with the special plastic wrench. If necessary a pliers can be used to unscrew the nut or cap. Do not use a pipe wrench to tighten or loosen nuts or caps. Do not place screwdriver in slots on caps and/or tap with a hammer.

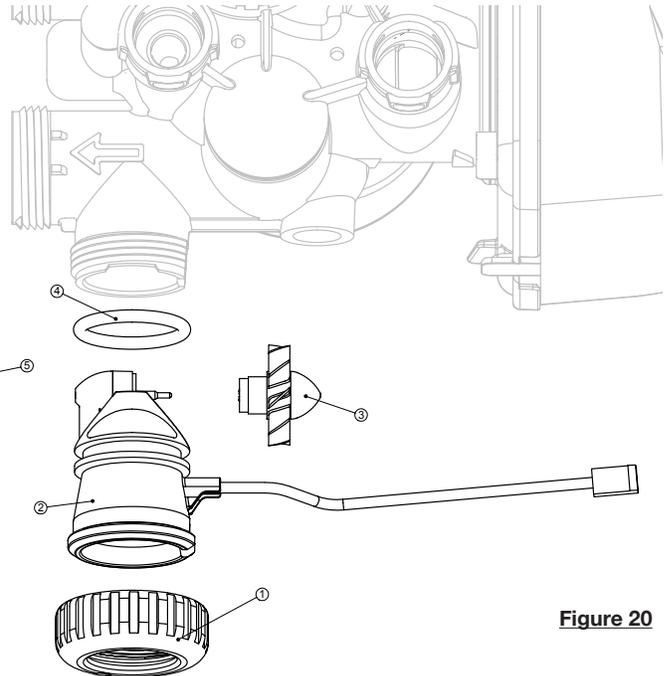
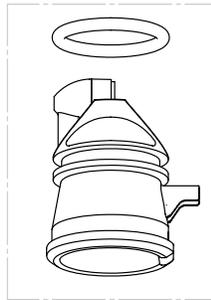


Figure 20

# BYPASS VALVE

ITEM NO.	ORDER NO.	DESCRIPTION	QTY.
1	V3006	Complete Bypass Assembly	

**NOTE: Individual Bypass Components Are Not Available, Must Order Complete Bypass Assembly.**

ITEM NO.	ORDER NO.	DESCRIPTION	QTY.
Not Shown	108617	Bypass 90° Vert. Assy.	
1	V3151	Nut 1" Quick Connect	2
2	V3150	Split Ring	2
3	V3105	O-Ring 215	2
11*	V3191-01	Bypass Vertical Adpt. Assy.	2

\*11 (Not Shown)

The nuts and caps are designed to be unscrewed or tightened by hand or with the special plastic wrench. If necessary a pliers can be used to unscrew the nut or cap. Do not use a pipe wrench to tighten or loosen nuts or caps. Do not place screwdriver in slots on caps and/or tap with a hammer.

Do not use pipe dope or other sealants on threads. Teflon tape must be used on threads of the 1" NPT connection and on the threads for the drain line connection. Teflon tape is not necessary on the nut connection nor caps because of o-rings seals.

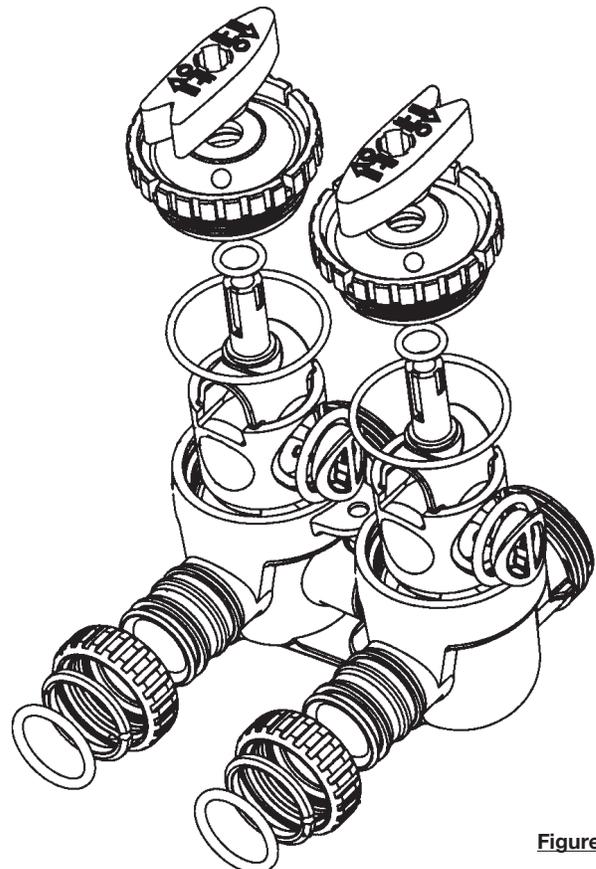


Figure 21

# Residential Water Softener & Filter Limited Warranty

**INCLUDES – ProMate<sup>®</sup>, ProMate-1<sup>®</sup>, ProMate-5<sup>®</sup>, ProMate-6<sup>®</sup>, ProMate-7.0<sup>®</sup>,**

**ProMate<sup>®</sup>-EcoMax, ProMate<sup>®</sup>-EcoMax Duo and E6**

**EXCLUDES – Iron Curtain<sup>®</sup>, Iron Curtain<sup>®</sup> Jr. and Storm Filter Systems**

Hellenbrand warrants to the original consumer purchaser that the System and the parts listed below will be free from defects in material and/or workmanship from the date of the original installation for the following time periods:

For a Period of FIVE YEARS: The filter control valve electrical parts including the motor and board, control valve body, and internal parts.

For a Period of TEN YEARS: Mineral tanks, 6" Diameter - 13" Diameter.

For a Period of FIVE YEARS: Mineral tanks, 14" Diameter - Up.

For a Period of FIVE YEARS: The salt storage/cabinet tank.

For a Period of ONE YEAR: The entire water conditioner system ("System").

Any parts used for replacement are warranted for the remainder of the original warranty period for the applicable part.

THIS WARRANTY IS EFFECTIVE TO THE ORIGINAL CONSUMER PURCHASER ONLY, AND ONLY FOR AS LONG AS THE SYSTEM REMAINS AT THE ORIGINAL INSTALLATION SITE. COVERAGE TERMINATES IF YOU SELL OR OTHERWISE TRANSFER THE SYSTEM OR IF THE SYSTEM IS MOVED FROM THE ORIGINAL INSTALLATION SITE.

No sales representative, distributor, agent, dealer, reseller, authorized seller or any other person or entity is authorized to make any other warranty, or modify or expand the warranty provided herein on behalf of Hellenbrand. Upon expiration of the applicable warranty period, Hellenbrand shall have no further liability related to the System/parts to which the warranty period applies, except with respect to valid warranty claims asserted during the appropriate warranty period.

If the System or any part described above becomes defective within the specified warranty period, you should notify your local authorized seller of Hellenbrand products, and arrange a time during normal business hours for the inspection of the System at the original installation site. You may also contact Hellenbrand and we will provide you with the contact information for your local authorized seller of Hellenbrand products. Hellenbrand, at its option, will repair or replace the System or any part found defective within the terms of this warranty. You are responsible for freight from our factory and any service fees charged by the local authorized seller of Hellenbrand products for installation, repair, removal, replacement, service, etc., of any System or parts. This warranty does not include any labor charges. This paragraph sets forth the exclusive remedy for any valid warranty claims against Hellenbrand.

THIS WARRANTY DOES NOT COVER defects caused by sand, sediment or bacteria fouling, accident, fire, flood, Act of God, misuse, misapplication, neglect, alteration, installation or operation contrary to Hellenbrand's printed instructions, or installation, repair or service by anyone other than Hellenbrand or an authorized seller of Hellenbrand products.

IN ADDITION, THIS WARRANTY DOES NOT COVER UNPROTECTED OUTDOOR INSTALLATIONS. This System, including all of the electrical components, must be protected against windblown dust, falling and windblown rain, freezing temperatures and the formation of ice, with an appropriate enclosure consisting of a floor, roof, walls, ventilation and heat.

As a manufacturer, we do not know the characteristics of your water supply or the purpose for which you are purchasing this system. You should be aware that the quality of water supplies may vary seasonally or over a period of time, and that your water usage rate may vary as well. Water characteristics may change considerably if this System is moved to a new location. For these reasons, Hellenbrand assumes no liability for the determination of the proper equipment necessary to meet your needs; and Hellenbrand does not authorize others to assume such obligations for Hellenbrand.

TO THE EXTENT PERMITTED BY APPLICABLE LAW, REMEDIES FOR DEFECTS OR FAILURES ARE LIMITED TO THE REMEDIES PROVIDED IN THIS WARRANTY. THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, NON-INFRINGEMENT, OR ANY WARRANTIES ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING, OR FROM USAGES OF TRADE, ARE LIMITED IN DURATION TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

UNDER NO CIRCUMSTANCES SHALL HELLENBRAND BE LIABLE TO THE ORIGINAL CONSUMER PURCHASER OR TO ANY OTHER PERSON FOR ANY INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES OR FOR ANY OTHER LOSS, DAMAGE, OR EXPENSE OF ANY KIND, INCLUDING LOSS OF PROFITS, WHETHER ARISING OUT OF BREACH OF WARRANTY, BREACH OF CONTRACT, IN TORT OR OTHERWISE, AND REGARDLESS OF WHETHER HELLENBRAND WAS AWARE OF THE POSSIBILITY OF SUCH LOSS. THESE LIMITATIONS WILL APPLY REGARDLESS OF ANY FAILURE OF ESSENTIAL PURPOSE OF ANY LIMITED REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. Similarly, some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.