



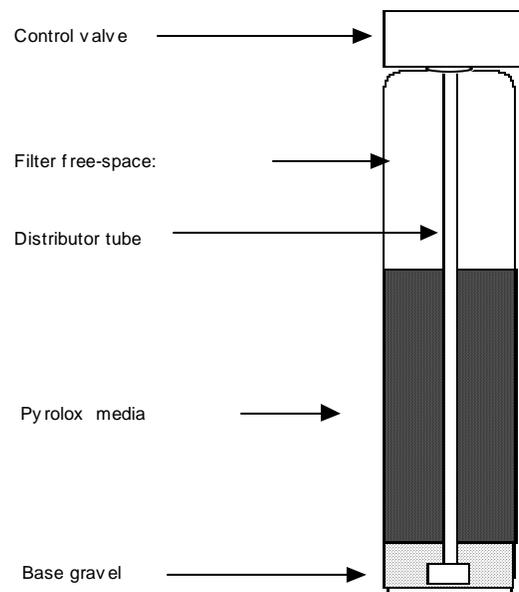
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## PYROLOX MEDIA LOADING & START-UP INSTRUCTIONS

Note: A minimum of 20 PSI is required for operation. Maximum operating pressure is 90 psi. Prevent from freezing.

- 1 Unscrew by hand the entire control valve from top of tank if screwed on. Place distributor tube in tank. If not already done, wrap the top of distributor tube with electrical or duct tape or attach plug or cap on top of tube to prevent media from entering tube during media filling.
- 2 Add base gravel first, using the funnel sent with the filter.
- 3 Next add Pyrolox media, it will be approximately 2/3rds full when done..
- 4 Remove plug from top of distributor tube. Do not pull up distributor tube when removing tape.
- 5 Screw on control valve carefully, do not cross thread.
- 6 Install piping to local plumbing codes. Make sure inlet is installed to the 'In' on the bypass valve and outlet is on the Out side, and connect flexible some 1/2" poly tubing to drain. Read page 2 and 3 of these instructions before proceeding to Step 7 so you can see how the timer is set.
- 7 Plug in control valve to a 115v outlet, and complete programming steps on Pages 2 and 3 to set the time and days the filter will backwash. Set control valve to backwash every 3 - 14 days. If your water is high in iron or sediment, set for more frequently. Every 4 days is typical.
- 8 Start a manual backwash by pressing and holding the Extra Regeneration button for 5 seconds. Turn on water to filter and allow filter tank to slowly fill with water, removing air in the filter tank. Turn on water to full force.
- 9 Allow to go through full cycle automatically which takes approximately 30 minutes. The filter media should be thoroughly backwashed before using.
- 10 After backwashing is completed, open up hose bib, or bath tub faucet or other faucet such as a bathtub without an aerator screen in house and allow water to run for 5 to 10 minutes. If piping inside house is corroded, turning on and off the water may dislodge some loose mineral or material. Aerators on faucets may need to be cleaned later if some of the fixtures inside house start to run more slowly.
- 11 Maintenance: Pyrolox media requires no maintenance, other than to make sure the filter is backwashing automatically and the drain line is not restricted. For instance, if the control valve were to become unplugged and could not backwash, the media could become fouled.



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# Programming the Filter Time Clock Regeneration

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## Set Time of Day

- Press the Set Up and Set Down buttons to set time of day.

## Enter Control Programming Mode

Press and hold both the Set Up and Set Down buttons for 5 seconds to enter Programming Mode. When the program mode is entered, the program dot turns on.



# Programming the Time Clock Regeneration System

## 1. Regeneration Time (No Display Code)

The Regeneration Time display can be identified by observing a non-flashing colon between two sets of numbers. Set the desired time of day that you want Backwash (also called Regeneration) to occur.

**Example: 2 o'clock A.M. regeneration time: [ 2:00 ] (P.M. Indicator Dot Off)**

- Use the Set Up and Set Down buttons to adjust this value.
- Press the Extra Cycle button to proceed to the next step.



## 2. Backwash Day (Display code A)

Use this display to set the number of days between Regeneration cycles. This setting is identified by observing the letter "A" in the first digit. In the Time Clock regeneration mode, the system regenerates at the time set in Step 1 on the programmed number of days.

**Example: Regeneration every 7 days [A--7]**

- Use the Set Up and Set Down buttons to adjust this value.
- Press the Extra Cycle button once to Exit Setup Programming Mode or press and hold the Set Up and Set Down buttons simultaneously for five (5) seconds to enter the extended setup programming mode.



# Programming a Time Clock Regeneration System

## 3. Extended Programming Mode

### Regeneration Cycle Step Programming (Display Code 1 – 6)

This Program Step is used to program the Regeneration Cycle step times. The Regeneration Cycle Step being programmed is displayed in the first digit of the display. Each display is used to set the duration time in minutes of that specific step in the Regeneration cycle.

**Example:**

Cycle Step	dF	dFFF	FLtr
1	10 = Backwash	12 = Fill	10 = Backwash
2	60 = Brine Draw	60 = Brine Making	10 = Rapid Rinse
3	5 = 2nd Backwash	10 = Backwash	
4	10 = Rapid Rinse	60 = Brine Draw	
5	12 = Refill	5 = 2nd Backwash	
6	10 = Rapid Rinse		

- Use the Set Up and Set Down buttons to adjust this value.
- Press the Extra Cycle button once to proceed to the diagnostics.



## 4. Extended Diagnostics Mode (Viewable Only)

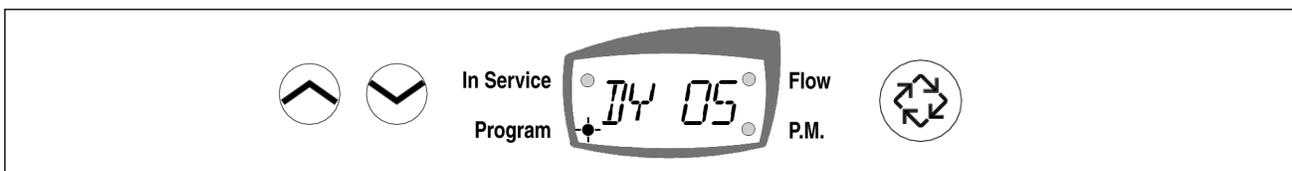
**(Dy xx) Display Code xx** = days since last Regeneration.

- Press the **Extra Cycle** button once to advance to the next diagnostics.

**(xxxx) No Display code xxxx** = the volume used since the last Regeneration

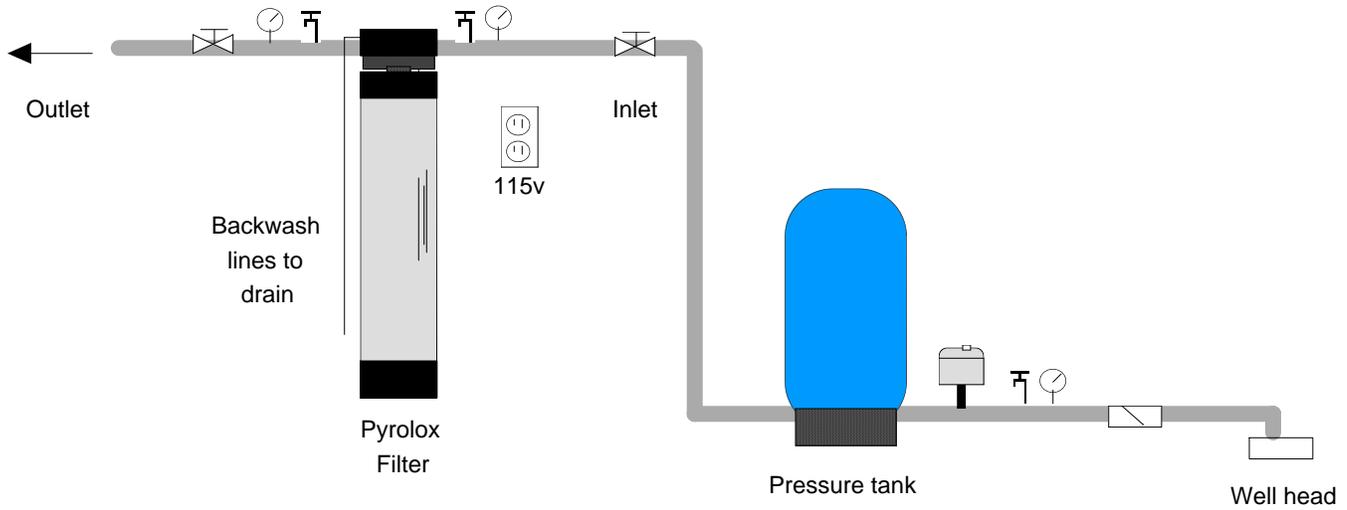
- Press the Extra Cycle button once to Exit Extended Setup Programming Mode.

**Control Programming Complete**

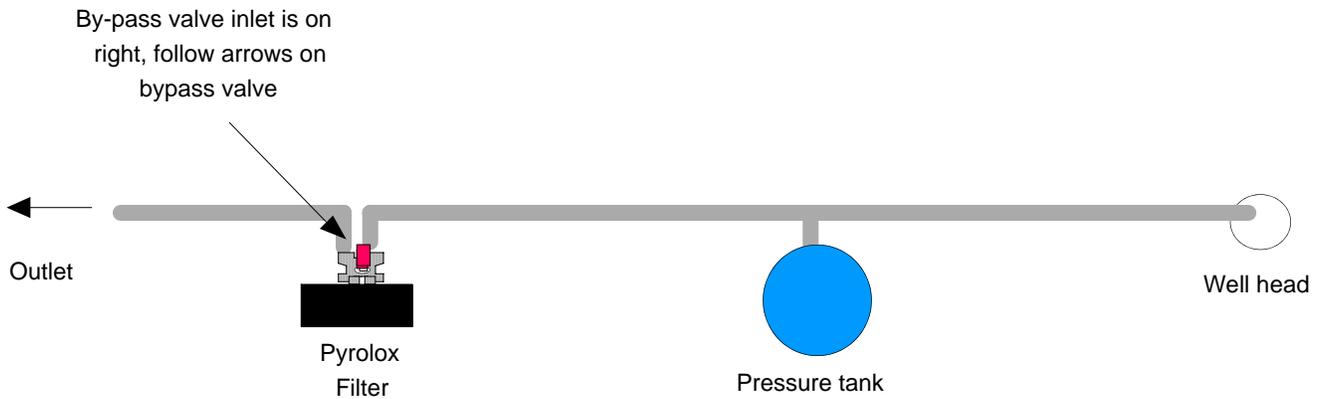


# Auto Backwash Pyrolox Iron Filter System

Flow Diagram Not to scale



## Plan View



### Key

-  Optional Gate or ball valve
-  Optional Pressure gauge
-  Optional Hose bib
-  Water piping

Notes: follow inlet and outlet arrows on filter for proper installation. Connect 1/2" flexible tubing from backwashing control valve to a drain with an air-gap similar to what a washing machine might require, such as 1 1/2" ABS with a p-trap and vent or to other type of drain. Follow all local plumbing and electrical codes.