

# Filter Cycle Administration Procedure



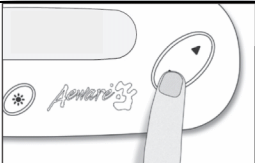
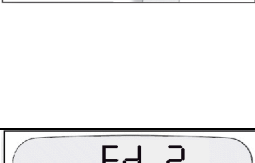
**Tools required: none**

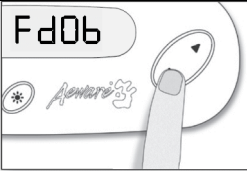
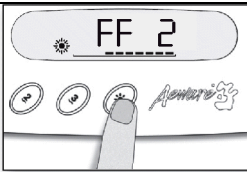

Before you begin, read and understand all steps of the procedure before beginning so as to familiarize yourself with what is required. Use common sense and always work safe.

There are three parameters used to control the total time your spa spends filtering its water:

- Filter Start (**FS**) - the time of day at which the first filter cycle begins
- Filter Duration (**FD**) - the length of time each filter cycle runs
- Filter Frequency (**FF**) - how many filter cycles are run per day

For example, if you set FS to 6:00 AM, FD to 2, and the FF to 2, your spa filters the water a total of 4 hours per day. These settings filter for 2 hours at 6:00-8:00 AM and for 2 hours at 6:00-8:00 PM.

1	Press and hold down the light key for 5 seconds to access the spa's programming mode.	
2	Press the light key 2 more times to access the Filter Start ( <b>FS</b> ) menu. This is the menu where you decide when your spa turns on (in whole hours) to start the first filter cycle each day.	
3	Press the up or down key to set the Filter Start (FS) time. This is where you determine when your spa turns on (in whole hours) to start the first filter cycle.  To better average your electrical usage over the day, choose a start time different from when you are using other electrical appliances (such as your water heater). For example, if you begin your day at 6:00 AM and shower shortly thereafter, choose a start time 2-3 hours earlier than this time.	
4	Press the light key to filter duration ( <b>FD</b> ) menu. This is the menu where you decide how long each filter cycle runs.	

<p>5</p>	<p>Press the up or down key to set the Filter Duration (FD) time. This is where you determine the length of time each filter cycle runs (0-24). This setting in conjunction with the Filter Frequency (FF) setting described in the next steps determines the total time your spa filters its water.</p> <p>The FD value sets the length of time for all filter cycles and the FF value sets the number of times this duration occurs each day. The product of the two determines how many total hours per day filtering occurs. For example, if you set FS to 6:00 AM, FD to 2, and the FF to 2, your spa filters the water a total of 4 hours per day (2x2=4). This setting filters for 2 hours at 6:00-8:00 AM and for 2 hours at 6:00-8:00 PM.</p> <p>As another example, if you set FS to 6:00 AM, FD to 3, and the FF to 2, your spa filters the water a total of 6 hours per day (3x2=6). These settings filter for 3 hours at 6:00-9:00 AM and 3 hours at 6:00-9:00 PM.</p>	
<p>6</p>	<p>Press the light key to filter frequency (FF) menu. This is the menu where you decide how many filter cycles are run per day.</p>	
<p>7</p>	<p>Press the up or down key to set the Filter Frequency (FF) time. This is where you determine how many times per day each filter cycle runs (0-12). If this value is set to 2, the filter cycle runs twice a day and if set to 4, 4 times a day.</p> <p>The FD value (from the previous step) sets the length of time for all filter cycles and the FF value sets the number of times this duration occurs each day. The product of the two determines how many total hours per day filtering occurs. For example, if you set FS to 4:00 AM, FD to 2, and the FF to 2, your spa filters the water a total of 4 hours per day (2x2=4). This setting filters for 2 hours at 4:00-6:00 AM and for 2 hours at 4:00-6:00 PM.</p> <p>As another example, if you set FS to 4:00 AM, FD to 1, and the FF to 4, your spa filters the water a total of 4 hours per day (1x4=4). These settings filter for 1 hour at 4:00-5:00 AM, 1 hour at 10:00-11:00 AM, 1 hour at 4:00-5:00 PM, and 1 hour at 10:00-11:00 PM.</p>	
<p>8</p>	<p>Press the light key two more times to save the settings.</p>	