



# OPERATING YOUR HAYWARD DE FILTER

## TEDDY BEAR POOLS & SPAS WWW.TEDDYBEARPOOLS.COM

### OPERATING YOUR HAYWARD DE FILTER - ABOVE AND IN-GROUND POOLS

1. The Hayward DE filters are referred to by the following model numbers:
  - EC 30, EC 40, EC 40 Clamp EC 45, EC 50, EC 50 Clamp, EC 65 and EC 75
2. Fill water to half skimmer and maintain it at that level throughout the season.
3. **(FOR ABOVE GROUND POOLS)** Remove the strainer cover to the hair and lint basket on the pump and fill with water. Then, reinstall the cover. Always make sure the basket area is filled with water. Turn on your pump.
4. **(FOR IN-GROUND POOLS)** Remove the strainer cover to the hair and lint basket on the pump and fill with water. (A garden hose is recommended.) Reinstall the cover and turn on your pump. It may take a couple of minutes to prime completely.
5. Now you are ready to add DE to your filter system. After the filter has been running for approximately one minute, proceed to add DE. The amount of DE required is determined by the size of your filter.
  - Hayward EC 30 requires 3 LBS of DE or 3 DE scoops
  - Hayward EC 40 requires 4 LBS of DE or 4 DE scoops
  - Hayward EC 45 requires 4 LBS of DE or 4 DE scoops
  - Hayward EC 50 requires 5 LBS of DE or 5 DE scoops
  - Hayward EC 65 requires 6 LBS of DE or 6 DE scoops
  - Hayward EC 75 requires 7 LBS of DE or 7 DE scoops

For your convenience, one pound DE scoops are available in our retail store.

6. Slowly add in your DE through the skimmer, it will travel to pump and end up in the filter tank where it belongs.
7. Run your filter system 6-8 hours every day. Your filter should be running for a longer period on hot days or if the pool is being used by a lot of people.
8. Automatic timers are another option for your convenience and there are many types available in our retail store. Each timer has operating instructions included with it.
9. Check your return flow of the pool water periodically to make sure the flow is strong. If it isn't, bump your filter. Always keep your skimmer basket and pump basket clean. On a new pool installation, or when installing the filter at the beginning of the season, bump your filter once a day or more for the first few days the filter is running. Your water may look clean, but DE will polish it.

### HOW TO BUMP YOUR DE FILTER - ABOVE AND IN-GROUND POOLS

1. Turn off the electricity to the pump.
2. Loosen the air vent at the top of the tank.
3. Ease down on the bump handle and raise it rapidly. Do this approximately 10 times.
4. Close the air vent and turn the electricity back on.

This should be done at least once a week. However, in our professional opinion, if the filter is bumped two or three times a week it will operate more efficiently. If the reading on the pressure gauge increases 10 PSI within 24 hours or the water flow slows after bumping, it is time to change the DE.

## **HOW TO CHANGE THE DE POWDER - ABOVE GROUND POOLS**

1. Turn off the electricity to the pump.
2. Loosen the air vent at the top of the tank to release the pressure.
3. Ease down on the bump handle and raise rapidly ten times or more to loosen the DE inside the tank, with the air valve still open.
4. Remove the drain plug at the bottom of the tank and loosen the trim line ball valve union, if you have one.
5. Turn the handle to the on position.
6. Bump the handle as the DE is draining out, and continue to do so until the water is draining free of DE.
7. Close the drain valve, then replace the drain plug.
8. Tighten the trim line ball valve union, and the air vent at the top of the tank.
9. And finally, turn the electricity back on.
10. Replenish the filter with the required amount of DE slowly as soon as the power supply is resumed.

If you maintain proper water chemistry you should only have to change the DE three times per season. Remember, chemically balanced, properly maintained, sanitized water and a clean filter equals enjoyable, economical, and healthy pool water.

Remember, to always read and follow label instructions on pool chemicals and products.

## **HOW TO CHANGE THE DE POWDER -IN-GROUND POOLS**

1. Turn off the electricity to the pump.
2. Loosen the air vent at the top of the tank to release the pressure.
3. Ease down on the bump handle and raise rapidly ten times or more to loosen the DE inside the tank, with the air valve still open.
4. Remove the drain plug at the bottom of the tank and loosen the trim line ball valve union, if you have one.
5. Turn the handle to the on position.
6. Plug in the pump and bump the handle as the DE is draining out, and continue to do so until the water is draining free of DE. This is the only time the bump handle may be moved while the filter is running.
7. Unplug the pump, close the drain valve, and then replace the drain plug.
8. Tighten the trim line ball valve union, and the air vent at the top of the tank.
9. And finally, turn the electricity back on.
10. Replenish the filter with the required amount of DE slowly as soon as the power supply is resumed.

If you maintain proper water chemistry you should only have to change the DE three times per season. Remember, chemically balanced, properly maintained, sanitized water and a clean filter equals enjoyable, economical, and healthy pool water.

## **HOW TO BEAR STRIP YOUR DE FILTER - ABOVE GROUND POOLS**

1. Turn off the electricity to the pump motor.
2. If you have an Aquador system, snap the door over the lip on the skimmer face plate. If you don't have an Aquador, remove the skimmer basket and install a threaded drain plug in the skimmer.
3. Remove the eyeball return fitting. You may need a plastic key to remove it, which is available in our Parts Department. The fitting may come out in pieces or as one assembly.
4. Install either a threaded plug or winter cap inside the pool as required.
5. Loosen the air vent at the top of the filter tank.
6. Bump the handle ten times or more to loosen the DE inside the tank with the air valve still open.

7. Remove the drain plug at the bottom of the tank and loosen the trim line ball valve union, if you have one.
8. Turn the handle to the "on" position.
9. Bump the handle as the DE is draining out and continue to do so as the water is draining free of DE.
10. Disconnect the return hose from the top of the filter.
11. Disconnect the union in between the pump and the filter.
12. Remove the filter from the base.
13. Remove the top cover, brown or blue, by knocking it off with your hand.
14. Turn the cover upside down. If your filter head is attached with bolts, remove the bolts and place them in the cover.
15. If your unit is a clamp style filter head, simply remove the clamps.
16. Mark the tank body and cover with a magic marker to ensure putting them back in the same position upon reassembly.
17. Remove the filter head by pulling it straight up and put it aside.
18. Prepare your solution of BEAR STRIP and clean water following the instructions on the bottle. Do not use muriatic acid, as this will harm your filter.
19. Before soaking the fingers on the filter head, spray them off with a cleaning wand attached to a garden hose to remove any large debris.
20. Submerge the fingers and tube sheets overnight in your solution of BEAR STRIP and water.
21. The following morning, thoroughly rinse the fingers and tube sheets with clean water, using a garden hose.
22. Reassemble your filter by lining up the filter head with the marks on the tank body.
23. If your filter head is attached with bolts, reattach the bolts so that the nuts are on the top side of the filter head.
24. If your filter head is attached with clamps, simply reattach the clamps.
25. Replace the top cover.
26. Place the filter back onto the base.
27. Reconnect the union in between the pump and the filter.
28. Reconnect the return hose to the top of the filter.
29. Turn the handle to the "off" position on the trim line ball valve, if you have one.
30. Replace the drain plug.
31. Tighten the air vent.
32. Remove the threaded plug or the winter cap on the return fitting inside the pool.
33. Reinstall your eyeball return fitting. Make sure the fitting parts are fully assembled before installing.
34. If you installed an Aquador, remove it.
35. If you installed a threaded drain plug in the skimmer, remove it and then replace your skimmer basket.
36. Turn the electricity back on.
37. Replenish the filter with the required amount of DE as soon as the power supply is resumed.

Now you have truly cleaned and degreased your DE filter.

As an alternative, Teddy Bear Pools offers this service for a small fee. You can bring your filter in and pick it up when it is ready or have our Service Department pick it up and deliver it back to you.

Remember, to always read and follow label instructions on pool chemicals and products.