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1.6K Views Updated: August 18th, 2022 Intex pool pumps work hard to keep your swimming pool clean and safe, but sometimes simply won't turn on. An Intex pool pump may malfunction and fail to work properly for several reasons, including debris in the motor and a blown fuse. Follow along as we explore how you can troubleshoot and fix your Intex pool pump if it won't turn on and run properly. A pool pump is the swimming pools lifeblood that keeps the water circulating, filtered, and safe to swim in. If it were not for this machine, the swimming pool would be a breeding ground for bacteria. Other contaminants would take over the crystal clear water that the whole family enjoys.Imagine how much time is wasted if you had to clean this miraculous machine. You would be spending more time in maintenance than swimming and having fun. So what do you do when the pool pump does not want to start?Troubleshooting with the owners manual, starting with the switch, breaker, fan motor, and other issues, is where you begin. Other problems can be the weather, how long the pump was off, or if debris is inside the motor. Some signs may appear that it will take a professional to repair the Intex pool pump. Troubleshooting the Issues with the Intex Pool Pump When it comes to machine repairs, it is essential to go down a checklist of the problems. The owners manual has a good idea of where to begin checking why the pump is not starting. Below is a list of issues that could be the culprit. Something as minor as checking the switch on the machine to make sure the power is turned on seems trivial.This has been a common issue for those not familiar with a pool pump. Some may not know where to find the switch. If the switch is on and the pump does not respond, try checking the breaker next.Sometimes, the breaker will kick off if the circuit is overloaded. There is a lot of amps coming from a pool pump. While you are checking the breaker, look at the fuse next.It is possible it could have blown a fuse. There may be a problem with the motor being frozen from sitting too long without running. The fan inside will often get stuck, and power is going to the component, but there is only humming. Turn the breaker off and try turning the fan counterclockwise. Dirt gobbler and other critters love to make a nest inside motors.Removing the dirt and other debris from the fan will free it up to run. If the fan still turns, there is hope for starting the machine. Other issues can cause the motor to freeze up.On those scorching days, the pump can get overheated.When this happens, it shuts down and needs to cool off before it restarts. Also, the pump can overheat if the air intakes are clogged by debris.This problem will cause the pump to shut down in mid-cycle. It is a safety device that protects from fire hazards and protects the pump.It is rare, but sometimes the power company may go through a power drop.If you feel it is a power issue, check your appliances first to see if they are running. Then check with the power company if there is a power supply issue. Another power issue is that if you do not have a designated circuit for the pump.If your pump is on a circuit with other appliances, there is not enough power to operate it. Last you may have a timer issue or need to reset the pump.Most pumps have a timer that shuts the pump off. If it is set to the cycle for the off period, your pump will not start. How Do I Know If I Need a Professional? If you try all of the troubleshooting steps above and nothing seems to work, a professional is required. If there is nothing further in the owners manual that sheds light on the problem, contact the manufacturer. They can assist you with further instructions over the phone or direct you to the nearest repair service.There are signs on the motor that may hint you need further assistance, such as corroded bearings. Other signs would be a bad start capacitor where an oily substance is discharged from the motor area. It can also leave a white powdery residue.Anything that leaves no other option but to take apart the motor or the electrical system apart calls for professionals. If the pump is under warranty, call the professionals. They will void the warranty if you mess with the mechanics or electrical system.There is one more technique you can try that deals with the motor. If you have a clogged pump impeller, follow these steps. How to Clear a Clogged Pump Impeller (Before Calling a Professional) Step 1: Turn the power switch to the pump OFF from the breaker box.Step 2: Remove the basket lid to the pump and pull the basket out, setting it out the way.Step 3: Take out any visible debris from the impeller. If you can do this until it spins freely, you are good to go. If not, then you will need to call a professional.Step 4: A technician will perform this step by taking the motor apart to remove the debris. Hopefully, it does not get to this step, and you can remove the debris yourself. What Does a Pool Pump Do? A pool pump does more than circulate the water. It brings the water to a central area as it circulates, filtering out debris inside the pool. All the algae, leaves, and other small pieces of trash are sucked into the system. There are options to make your pump easier and even attach a vacuum to the pump to clean the pool. You need a hose, hoses, debris net, cleaners and bases, brushes,vacuum ring plug, and gear module. The pump works by filtering out the trash and puts the clean water back in the pool. Maintenance on the Pool Pump and Backwashing If you want to keep the life expectancy on the pool pump, maintenance is the key. Once you clean the basket and the filter, there is a process called backwashing that needs to be done. Backwashing is a reversal of the normal flow of water that flushes out the contaminants inside the filter. It takes only a few moments to do and is very easy. Take the switch and put it from filter to backwash. The water will flow, pushing out the trash in the filter. The water will turn clear when the process is complete. Take the switch and put it back to the filter, and that is it. You are done with the maintenance. Contacting the Intex Manufacturers There has been nothing but great things to say about people who have contacted Intex. They have products they stand by, and if a pump is faulty, they have no problems sticking to the warranty. Also, if they cannot repair the pump, you will get a brand-new one.People have reported Intex has excellent customer service and always makes good on their word. Any information they deliver is helpful, and they can get you the most reliable service people you can trust. They will not try to rip your eyeballs out with the prices either. What is the Life Expectancy of a Pool Pump? Like every machine, it can last forever if you take reasonable maintenance steps and treat it with TLC. It can break tomorrow. On average, the pool pumps last from eight to ten years. Some have lasted longer but have a history of repairs. The longest reported was over 20 years. You can expect issues as it ages because the quality does lessen over time.If you average out the years, you can expect to replace the pool pump for around ten years. The pressure going out is the first sign of getting the pocketbook ready. What Is the Cost of Replacing and Repairing an Intex Pool Pump? An Intex pool pump ranges from \$60 to \$1,250, depending on the size, brand, and power. If the motor needs replacement, you are looking at around \$150 to \$800. When it comes to a professionals labor, the average price range is between \$700 and \$1,500 for installations or replacements. Some custom design pools that are considered extravagant may have a high-end pool pump. These pumps can off at a maximum of \$2,400. Only these unique public swimming pools would go that high in price, such as a pool pump burn a lot of electricity. The most wats used are 2,000. The average cost could count for half of the electric bill. It also depends on if you are running it all day and night. Related Quora Published March 11th, 2021 7:29 AM We have an above ground Summer Waves pool and upgraded to a second-hand Krystal Clear 16" pump system last year. It has the saltwater system also, but the people giving it away said that part didn't work, so we haven't messed with that yet. I've just continued to use chlorine and the difference in how it cleaned my pool was amazing. Getting it up this year, however, the pump wouldn't turn on at all. Getting power, hums, then stops, like it's shut down. The first thing we've discovered is that the center hub pipe (the white tube that goes down the middle of the sand) in the sand has completely deteriorated and is in pieces. We haven't had time to open up the motor yet, but would that be enough to keep the pump from running? And would anyone know if we can just buy some PVC pipe and replace that? The piece at Intex is out of stock (of course). Next step is looking at the motor, but just wondering if anyone has seen this before or has any advice. Thanks! Hi Lisa - did you double check that all shut off valves b/t the skimmer and pump are open? Same thing on the lines that lead from filter to pump; make sure all valves are open. Did you open the pump basket and fill with water to prime the pump before turning it on? Did you unplug the pump and check to see if the pump impeller spins freely ensuring nothing is jammed in there? Just want to cover the basics first. The broken pipe serves to pull water from the bottom of the sand filter to the top of the filter valve where it then is returned to the pool when the valve is FILTER mode. The broken pipe will disrupt that filtering process. However, if you check everything else I mentioned above, you can bypass that broken tube by placing the pump in RECIRCULATE mode. The broken pipe will disrupt that filtering process. However, if you check everything else I mentioned above, you can bypass that broken tube by placing the pump in RECIRCULATE mode. This will perhaps allow you to trouble shoot your pump, but the pipe will have to be replaced to filter the water. I'm not familiar enough with your pump to know if there is a shut down feature on your pump to prevent overheating. If so, it may reset itself if it cools down. Hopefully others will chime in that are more familiar with your specific pump.Greg Thanks for all those suggestions and clarifying what the pipe is needed for. Sounds like our next step is to still open up the motor and check it for obstructions. But that we will still need to replace the pipe in order to filter the water. It does have an overheating shutdown feature, but since this has happened from the very first time I turned it on in months, it shouldn't be overheated. Maybe someone else can tell me if I can use PVC pipe in place of the actual piece for the pipe hub. Thanks again! I'll update if I figure anything else out. That stand pipe is basically PVC, so as long as you go with exactly the same size it should be fine. Schedule 40 is what you want its sturdier. Reactions:digidoggie18 That stand pipe is basically PVC, so as long as you go with exactly the same size it should be fine. Schedule 40 is what you want its sturdier. Thanks! Here's a better picture of what I'm dealing with, now that I've gotten the sand out and the laterals unscrewed. Any Intex pool pump fan? This post will take you through the basic things you can do to troubleshoot common problems you might experience with your Intex pool pump.What Type of Intex Pool Pump Do You Have?Before you can start troubleshooting your pump system, you need to know what type of pump you have. There are two types of Intex pool filter pumps:Intex Sand Filter PumpIntex Sand Filter Pump comes with a huge tank filled with special sand to act as a filter. It has a separate pump unit that connects to the sand tank with a small hose.Intex Cartridge Filter PumpIntex Cartridge Filter Pump type uses a cartridge filter and arrives as a single unit with the pump built inside the cartridge housing. It usually smaller than the Intex sand filter pump.Intex Cartridge Filter Pump models come with the pump and cartridge on separate housing similar to the Intex sand filter pump.Both systems troubleshooting is similar, but how you solve the issues might differ. Thats why its crucial you know the type of system you're using.How to Troubleshoot Your Intex Pool Pump (3 Common Problems)Here are the most common problems you might face with your Intex pool filter pump and their respective troubleshooting techniques.1) Intex Pool Pump Not StartingImagine you woke up and run to turn your Intex pool pump to prepare it for a big day ahead. When you switch it on, pap, nothing, or it starts and shuts off almost immediately.The possible culprits for such a problem are either loose electrical connection, tripped off breaker, or faulty safety.How Do You Fix This Problem?Solution 1: The first step is to track the power cables from the wall socket to the pool pump, checking for loose connections. Remove plugs and reconnect them this time, making sure you fit the right.Solution 2: If your Intex pool pump doesnt start, you got to test the wall socket for power. You will need a multimeter or a tester.A multimeter will tell you the volts passing through the outlet, while the tester will check the presence of power in the socket.The benefit of using a multimeter instead of a tester is, the device will tell you if your pool pump is receiving enough volts (between 110 and 120 volts).Start by setting the dial to AC voltage marked with a capital V and a small wave sign (V~) or the AC sign. Since youre testing the 120-volt socket, set the dial to 200 volts.On the multimeter, insert the black probe on the COM position and the red probe on the VmA point. Once you confirm everything is set right, take the black lead and insert it to either the long slot or the sockets ground plug.Insert the red lead to the short or hot slot. You want to make sure you insert the probes in that order. If you insert the red probe first, you risk getting electrocuted by the energized black probe.If you get anything above 110 volts, the outlet is okay, and you can move to solution 3. But if you get less or zero, there is a problem, mainly on the breaker box.Go to your breaker box, and if there is any, thats stripped off. If there is, then turn it on. If there is none stripped off, then shut all the breakers off and turn them on. The breaker might have gone off from the inside.That should do. If you still get zero or less than 110 volts from the outlet. Call an electrician to check the whole line out.Solution 3: Check the safety plug on the pump cable that plugs to the wall socket. It comes with two buttons, red (reset) and yellow (test).If water was to enter it, there could be a short circuit or rust that could be interfering with the connection.Clean the terminals with some baking powder and water. If you need to open them, mark how they are and screw them back in that order.If your Intex pool pump still doesnt start, its a mechanical problem, mostly a dead motor. Id be best to take it to a professional for a checkup.2) Intex Pump Runs But Isnt PumpingThere might be something interrupting the water suctioning or reducing the water flow reducing the pump efficiency in such a case.The problem could be causing prime loss. There might be an obstruction, dirty filter, or air in the plumbing system.How Do You Fix This Problem?Solution 1: Make the filter flow is correct. You will want to make sure nothing is blocking the pump or filter flow.Sand Filter PumpStart by checking the filter gauge. If above 10 PSI, start by backwashing the filter sand to take all the debris out. This will reduce and reset the water flow.Cartridge Filter PumpThe best solution here is to clean or replace the filter cartridge. Shut the pool connector valves on the plumbing if you dont have them, raise the filter to a high spot. Open the air release valve on the housing top. Once the air has escaped, open the housing cover, remove the filter cartridge, and rinse it with a hose.If the dirt gets off quickly, clean it and return it. If its not getting clean, the best solution would be to get a new Intex filter replacement.Solution 2: Check for blockage, especially for the Intex pool pumps that come with the filter and pump on separate housing.The outlet that connects the pump housing to the filter housing can collect hair and other materials that can clog it.Check it out. Start by shutting the pump and water off and gently remove the hose. Unscrew the tightening screw fix.Remove anything that should be there and reassemble everything back tight and snug. While at it, remember to make sure the O-Ring sits in the correct position.You should also check the impeller for blockage. Its almost impossible for the upright single unit filter pumps impeller to get blocked. This is a problem for the two housing Intex filter pumps.To check for the impeller blockage, you will need to shut off the pump. Shut off the water flow and remove the hose connecting from the pool.Unscrew the top cover and side cover that connect to the hose pipe from the pool.At this point, you should be able to reach the impeller itself. Remove anything that doesnt belong there. It could be hair, feathers, or any matter.Solution 3: If the plumbing system has air, it could be coming from the skimmer if your water level is low or clogs are blocking the water flow.If your Intex pool water level is below the skimmer top, the water getting into the circulation system could combine with air. Solving this problem is easy. All you need is to refill the pool water until it covers the skimmer right.Also, check for debris in the skimmer basket and if you find any, clean them and hose them off. Fill the strainer basket with clean water and reseal it.Air could be getting into the plumbing system through leaks in the pump housing, worn-out shaft seal, or thread sealant.Inspect the O-Rings in the pump, the shaft seal, not forgetting the threaded sealants. The O-Ring is the tiny rubber ring that provides a seal when you connect the pipes.If there are leaks around the O-Ring, it might be worn out or broken. The best solution is to replace all the leaking O-Rings with a new O-Ring set when replacing it, apply some petroleum jelly or Vaseline around the O-Ring and install it. Ensure all the covers and pipes are securely tightened.3) Intex Pool Pump Runs, But Produces Loud Screeching NoisesIts pretty easy to get frustrated when your Intex sand or cartridge filter pump produces gargling or screeching noise. At times the sound can be irritating for your neighbors.If your Intex pool pump sounds like stones rotating inside a basket, it might be starved for water, or the impeller is loose and wigging.How do you fix this problem?Solution 1: Check for blockage along the suction lines. If the suction valve is clogged with hair or other things, the pump will struggle to pull the water, thus becoming noisy. Unclog it and test your pool pump again.Solution 2: If you still hear the noises, close the pipe valves or lift the pump above the pool water. That stops the water flow to the pump.Open the air release valve slow, and once the air gets in, you can now open the housing cover. For the small cartridge model, you'll need to clean the filter first before returning it. youre using a sand filter pump or the cartridge filter pump with the pump housing on the side, you only have to open the pump unit alone.Remove the impeller gasket, and you should have access to the impeller itself. Remove it gently. Its a small, fan-like piece with a magnetic tail.The impeller is rotated by the magnetic effect produced by the motor. Its supported by a small, stick-like piece that runs through it in the center.If broken, then the impeller will be floating, thus touching the motor walls. When removing it, you might even leave the broken piece inside the impeller housing.Use nose pliers to remove it and find an ideal replacement for the stick-like support. The size has to be identical to fit both ends and through the impeller.Once you replace the broken piece, you can reassemble everything back. Remember to leave the air release valve open before you can turn on the pump. Allow some water to flow out through the valve to force all the air out, then shut it off.Solution 3: if you still get the noises, your Intex pump could be more potent for your pool size. The best solution is to downgrade to a less powerful model to avoid future problems.How Do You Tell If Your Intex Pool Pump is Going Bad?The truth is, your Intex pool pump wont last forever. At some point, after some years of operation, it will eventually retire.Usually, itd take you some repairs that arent helping you realize its time to retire. But if you want some signs to tell you it is going bad, here they are:Constant leakingThis is something you experience with Intex sand filter pump and cartridge filter pump with separate housing.If you try the methods I discussed above, but you still get constant dripping even when its off, that is a sign its seal on the pump housing is worn out.Constant loss of PrimeIntex pool pumps use a magnetic field to rotate the impeller. If something were to happen to the electrical side, then the impellers magnet wouldnt rotate, and that could cause a priming problem.If the impellers positioning is correct and youre getting priming problems, that is a sign you need a new Intex pool pump unit.How Do You Know If You Need a Professional?If you tried all the above DIY troubleshooting procedures and nothing worked, your Intex pool pump is still not working; you need a professional opinion or help.Dont be surprised if theres nothing on the user manual that helps with the problem. At times, the DIY skills might not cut it for you; it might be time to give the manufacturer a call.Calling the brands technical team can help you out from the phone, or they might direct you to the nearest Intex repair service.You can also look at some signs on your pool pump motor that hints at the need for further assistance, like corroded bearings. Other signs include oil substance from a discharged capacitor or capacitor going bad a moment after replacing it.Anything that leaves you no other option than opening up the pool pump motor will require you to call a professional.Whats more, if your Intex pool pump is under warranty, ask for help from the Intex tech team. They might even refer you to a technician who preserves the warranty period.What is the Life Expectancy of an Intex Pool Pump?A pool pump, like any other machine, wont last forever. Averagely Intex pool pumps last 8-10 years, with some lasting longer but with a history of repairs. The longest an Intex pool pump can last is around 20 years.Expect yours to develop issues as it ages and expect to replace yours in around ten years, depending on how well you maintain it. See the signs that will tell you your Intex pool pump is going bad above.What Is the Cost of Repairing or Replacing an Intex Pool Pump?Intex pool pump prices range from \$55 \$1300 depending on size, type, and power. If you call for pro installation, expect to spend around \$650-\$850 in labor. If you need a motor replacement, be prepared to spend about \$150-\$850. Dont forget to factor in professional installation costs ranging from \$100-\$650 depending on the time taken to install the pump motor. If your swimming pool needs a high-end pool pump, be ready to go extravagant and spend about \$2400.SummaryMost of the problems you will face with your Intex pool pump are easy to fix with simple DIY skills. But if you came across a problem that you are hesitating to try, dont be afraid to call a professional to help you out. An Intex pool pump should last up to around 8-10 years. If yours is close to that, and youre getting the above signs, it might probably be the best time to think of buying a new Intex pool pump. Intex pool pumps are popular amongst pool owners owing to their effectiveness and durability. However, issues can arise in the course of using the unit and make it difficult to achieve desirable results. Other users may have difficulties setting up their pool pumps. In this troubleshooting and how-to guide, we look at some common Intex pool pumps issues and the actions you need to take address them. Read on to learn more. To operate an Intex 633T filter pump, follow these instructions: Make sure the filter pump is switched off. The switch is located on the motor housing.Connect the power cord to a GFCI protected electrical outlet.Turn both plunger valve handles fully counter-clockwise until they stop. This opens the valve, allowing water to flow into the filter pump.With water flowing into the filter pump, the water pressure will allow the air trapped inside to escape from the air release valves. Water will flow out of the valves when all the air has escaped. When this happens gently tighten the valves in a clockwise direction.To operate the filter pump on TIMER mode:Set the timer dial to the desired operating hours.Turn on the pump by pressing the switch to timer (clock symbol position). The sand filter is now filtering the water and will stop after the operating hours are completed. The time will now operate for 10-15 hours, with some lasting longer but with a history of repairs. The longest an Intex pool pump can last is around 20 years.Expect yours to develop issues as it ages and expect to replace yours in around ten years, depending on how well you maintain it. 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water to provide a cushioning effect when the remaining sand is poured in. This prevents the center pipe hub from excessive shock. Place the sand shield back and continue to pour the sand into the tank.Sand shall be filled between the MAX and MIN marked gauge on the center pipe. Evenly spread and level out the sand by hand.Remove the sand shield.Wash away all sand around the top edge of the tank. Slowly lower the 6-way valve over the tank, and ensure the bypass pipe protruding underneath the 6-way valve fits securely into the center pipe hub top opening.Place an L-shape o-ring on the 6-way valve inlet connection and on the pump motor outlet. In a clockwise motion connect the sand filter interconnecting hose between the pump motor outlet and the 6-way valve inlet connection.Remove the clamp bolt, and install the clamp around the tank and 6-way valve flanges, the replace the clamp bolt and use a Philips screwdriver to tighten it. The 6-way valve has three hose connection ports. Connect one hose end to the pre-filter inlet and the other end of the hose to the lower plunger valve with the strainer. Make sure the hose nuts are tightened securely.Connect the second hose between the 6-way valve water outlet and the upper plunger valve with the inlet-nozzle. Make sure the hose nuts are tightened securely.The third hose connection port (drain/waste outlet) on the 6-way valve shall be directed to a proper draining receptacle using a hose or pipe (not provided). Remove the drain cap before you attach the drain/waste hose or pipe.The sand filter is now ready to filter the pool. For non-Intex pool: Connect the hose to the pool inlet/outlet connection with a large hose clamp. Tighten securely. Remove the drain cap before attaching the drain/waste hose or pipe. For Intex pool size 16 and below: In a counter-clockwise motion unscrew the plunger valve union from the threaded strainer connector. Be careful not to lose the step rubber washer.Grasp the plunger valve assembly. Ensure the step washer is in place. Connect adaptor B to plunger valve union.Remove wall plug and then insert the strainer into the lower position of protruding hose connection, and the nozzle into the upper position of the protruding hose connection. Adaptor B fits over the strainer connection inserted into the connection. Tighten securely.Remove the drain cap before attaching the drain/waste hose or pipe. To unclog your pool pump, you need to clean and replace the filter cartridge. It is recommended that the filter cartridge be replaced at least every 2 weeks. To clean an Intex 633T filter pump, follow these steps: Make sure the filter pump is turned off then disconnect the power cord from the electrical outlet.Turn both plunger valve handles fully clockwise until they stop. This closes the valve, and prevents the water from flowing out of the pool.Gently turn the top air release valve once or twice in a counter-clockwise direction. The housing cover can now be easily removed.Remove the filter housing collar by turning it in the counter-clockwise direction. Place it somewhere safe.Now remove the used filter cartridge.Examine the inside of the filter housing. If there is sediment on the bottom of the housing then:In a counter-clockwise motion gently unscrew and remove the sediment valve located at the bottom of the housing. Place it somewhere safe.Using a garden hose or a bucket of water, pour water into the housing to flush out the sediment.Screw back the sediment valve in a gentle clockwise motion. Do not over-tighten.Place a new filter cartridge in the housing.Return the housing cover to its position, and in a clockwise direction re-screw the housing collar onto the filter housing.Turn both plunger valve handles fully counter-clockwise until they stop. This opens the valve allowing water to flow into the filter pump.When the trapped air has escaped through the air release valve, gently re-tighten the valve in a clockwise direction.Reconnect the power cord and turn on the pump. To clean an Intex sand filter pump (model SF20110): Turn off the filter pump switch then disconnect the power cord from the electrical outlet.Grasp a plunger valve handle. Turn the handle counter-clockwise, push down until it stops and then turn it clockwise until the plastic protruding notch anchors in the 0/1 position. Repeat for the second plunger valve. This prevents the water from flowing out of the pool.Release the pressure first by opening the sediment release valve located on the lower side of the pre-filter housing.In a counter-clockwise motion unscrew the leaf trap cover, and then remove the basket and leaf trap o-ring from the pre-filter housing.Empty and flush the basket using a garden hose. You may use a plastic brush to remove deposits from the basket. Do not use a metal brush.Clean and rinse the inside of the pre-filter housing and the leaf O-ring with a garden hose.Re-install the leaf trap O-ring, basket, and leaf trap cover to the pre-filter housing.Close the sediment release valve back. Check this too: How to Bypass Lid Lock On a Whirlpool Washer There could be several reasons why your pool pump stopped working: The water level could be low. Make sure you fill the pool to the correct water level.The strainer screen could be plugged up. Make sure the strainer screens at the pool inlet are clean.There could be an air leak on the intake hose. Make sure the hose nuts are tightened properly. Check the hose for damage.The motor could be faulty or the impeller could be jammed. Make sure you clean any sticks or leaves in the intake hose.There could be an airlock inside the cartridge chamber. To remove the airlock, turn and pull valve handle to full upright position. The pool pump is provided with a ground-fault circuit interrupter (GFCI). If the GFCI circuit breaker trips, power to the pump is interrupted. To reset, push the reset button on the GFCI. The plunger valve on your Intex pool pump is equipped with a vacuum release valve that will automatically activate to minimize suction at the pool outlet if the outlet is blocked. This is an additional safety feature to prevent suction entrapment. To reset the vacuum release valve: Turn off the pump.Clear any debris or obstruction in the outlet.Remove all air from the filter pump.Turn pump on again. If air gets in your pool pump, you may see a significant number of bubbles coming out of your return lines into the pool. When air is pulled into the pump it can cause it to dry. Also, in the long run your pump can age too early and overheat. To bleed the air out of your pool pump, follow these instructions: Turn off power to the pool pump.Rotate the air release valve located on top of the filter housing counter-clockwise to open the valve.Open the pool pump strainer box cover. Verify the presence of water in the pump basket. If there is no water present, fill the strainer with water from a garden hose.Inspect the pump cover gasket for cracks. Lubricate the gasket with petroleum jelly and re-install the cover. Hand-tighten the cover knobs.Turn the filter to the FILTER setting.Restore power to the pump. Gradually open the skimmer valve. You should see air bubbles from the returns as air is forced out of the line into the pool water.Observe the air release valve on top of the filter canister. You should hear the sound of air escaping as the system fills with water. When water starts to come out of the air release valve, turn the valve clockwise to close it. There are several possible causes for decreased/slow water flow on your pool pump: The inlet or discharge is clogged.There is an air leak on the intake line.Scale or buildup on cartridge.The filter cartridge is dirty.The nozzle and strainer connection are reversed.The pool inlet air adaptor is connected to the wrong fitting.Sand media clogged with dirt.Crusting or caking on the filtering sand surface.Pool vacuuming device attached to the system. To troubleshoot this problem, try these tips: Clear any obstructions in the intake hose by discharging it inside pool wall.To stop an air leak on the intake line, make sure you tighten the hose clamps. Check the hoses for damage, and also check the pool water level to fix this problem.Replace the cartridge if there is scale or buildup.Make sure you clean cartridge more often.Make sure you install the nozzle at the upper position of the pool inlet, and the strainer at the lower position of the pool outlet.Make sure the pool inlet air adaptor is connected to the pool inlet upper fitting.Backwash filter.Remove about 1 inch of sand if necessary.Remove any pool vacuuming device attached to the system line.

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