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The #1 Source for Pumps, Motors & Repairs in Wastewater, Sewage, Irrigation, Pool, Pond and Agriculture! Circulating pumps give our house a faster flow of hot water supply throughout our house. And in this case, Grundfos pumps excel in reliable and long-lasting service. However, like it is usual for any house appliances to malfunction and Grundfos pumps are no exception. But, to help you avoid such mishaps, we bring you a step-by-step Grundfos circulating pump Troubleshooting guide. But, before beginning the solution procedures, lets have a look at the table below that discusses what problems we might encounter while operating a Grundfos pump. After sorting out the relevant problem from the table, you can jump right into the section which solves it.
ProblemsSolutionsSeized and stuck rotorTap on the frontal screwColdwater through the systemChange the thermostatGrundfos circulating pump not workingReplace the pumpUnneeded circulation in the systemAttach Intelli-circ Controller Did you figure it out? Take your time and reflect. Then, before applying any Grundfos hot water circulating pump troubleshooting techniques, have a complete study over the guide once and DIY as you have a second read. A pump seizes up when the pump rotor and impeller are somehow not rotating. Therefore, hot water does not pre-load on the loop. So, when you will turn on the faucet or shower hot water line, you have to wait for it like before. Sometimes, this happens because of long idle time or blocked channels of the impeller. Now, this problem might seem tough, but the solution is not. We present this beneath: Give gentle knocks on the shiny frontal cap screw. Yes, thats it. Now power up the pump, and switch it on from the timer. Hopefully, it will function again. If it does not, apply the Grundfos circulating pump repair methods follows: Turn off the system and power supply to the pump.Open the closest line from the pump outlet.Give a few gentle knocks with a heavy metal object without breaking it or any parts within.Switch on the supply and the motor. Keep a bucket ready at the end of the open pipe.Finally, run the motor at low, and it will start. Clogs that were blocking the rotation will also come out from the pipe opening. After fixing it, consider inspecting and improving your water quality. READ ALSO MIP Vs NPT The Better Type For Your Needs?!! This fix does not work too, touch the large screw at the belly of the motor. If its warm or hot, it might not be beyond repair. Otherwise, for a Grundfos recirculation pump not working you will have to replace the pump itself. Generally, you dont need to replace a good Grundfos pump for a long period (about ten years or more.) However, their usual potency wears out inevitably up to a point where you need to replace this pump. But, dont replace unless you lift and check all the stones. So, how to check if Grundfos pump is working? To check and verify, power up and feel the pump under your hand. If it hums, then the line is possibly clogged. If it doesnt, you may ultimately need to replace it. And, if this is your only option for better hot water circulation, then follow our guide. One more thing, sometimes the local regulations will require you to hire a certified professional to install appliances to your copper water pipes. So, in that case, you can just have a look through our guide. Then, probably go and boss the plumber? Whatever the case is, lets begin the installation procedure. First, install the pump, align, and install the water supply and circulation loop.Secondly, switch off the power and water supply to all appliances connected to the system.Then, drain the heater tank and flush water from the loop. Then, it is time to place the pump. There are a few things you should keep in mind before situating and welding your connection. They are: Install the pump higher to the lowest point of the supply loop to prevent exposure from dirt coagulation.Position it so that it can pump water upwards from the drainpipe of the heater tank so that the thrust bearing load reduces. If you position for a downward supply of water, it can make air pockets and disrupt the rotation and torque of your motor.Also, dont design for an elbow or tee-fitting immediately close to the pump outlet. As you figure out the proper alignment, lets proceed to the installation procedure: Now, fix the pump in the supply line and make sure that the suction end of the pump is drowned in water if the loop is open. If the circulation loop is close, fit a safety relief valve to prevent excess temperature or pressure raise.Test your water. If it contains small dirt particles, then add a filtration system before the pump.Then fill your system by opening valves. When the whole loop is filled with water with a low possibility of air pockets, run and test your new pump. Warming, isnt it? Grundfos hot water circulating pump already puts a stop to excess cold water waste. On top of it, you can make your system more efficient and energy loss-proof by adding Intelli-circ Controller. This will automatically turn on the pump when the water gets cold. On the other hand, when the hot water starts circulating along your pipes, running your pump at such times will mean a loss of energy. To place your Intelli-circ unit, you need to know a few matters. To detect the temperature change through the line, attach the temperature probe before the farthest faucet from the circulation pump.Then adjust the Intelli-circ and attach the power cord of your pump to it.Switch on the Intelli-circ and let it operate your circulation pump. The temperature probe of an Intelli-circ system uses a liquid thermal detector to detect the temperature. This compound can decay in the long run. In this case, cold water can bypass the loop, and your comfort system will not be so comfortable anymore. The fix to this is easy and obvious. Yes, it is to replace the thermostat. If replacing it doesnt help, then the heater is not heating the water at all, and there is no Grundfos pump not working issue in here. Frequently Asked Questions (FAQs) There are many symptoms of a bad pump. They may show singly or together depending on the source of the problems. A few of the symptoms are the impeller stops rotating, the motor not powering up, the motor running cold water through the loop, etc. READ ALSO Fixes For Copper Union Fitting Leaking Sometimes, when there is likely a firmware failure in your pump system, it will automatically turn on or off or show irregularities as such when you dont even set any relevant timer. In such cases, you can reset your Grundfos Pump by pressing the on/off button once. If you want to auto-reset, then press and hold the on/off button for five seconds. Grundfos pumps are reliable in the pump industry as their circulating motors last more than ten years. If the water of the area has low decay factors and particles, then it can even last up to fifteen to twenty years. There are some handy tips to prolong the lifetime of your pump that we mentioned in our guide. Feel free to check out. Grundfos pumps are low-maintenance appliances. So, you may not need to follow a scheduled maintenance routine to prolong the life span of your pump. However, you can do a favor to this little machine. That is, feed it filtered water. This will also reduce your pump issues, in turn reducing the frequent need to do Grundfos circulating pump troubleshooting. However, if you face problems, we hope you sort them out as soon as it appears using our guide. And, to serve you with more helpful guides and tips in the future, we conclude here. Thanks for being here! You Can Also Read: Check out our Reusable Bamboo Paper Cloth Towels While shaping the aim of making the environment clean and healthy, Bamboora deals with the production of nature's water bamboo paper cloth towels. These bamboo towels are better for the environment. Along with doing lots of plumbing work, they are usable for other house chores too. From wiping out the spill on the floor to cleaning the dust, bamboo paper towels effectively perform their work. They are effective in replacing regular cloth towels that you often purchase. The natural strength and softest fiber of bamboo make them one of the best sustainable bamboo paper towels. Danish Pump ManufacturerGrundfosCompanyTypePublic (Denmark)IndustryMechanical engineeringFounded1945FounderPool Due JensenHeadquartersBjerringbro, DenmarkNumber of locations60+Area servedWorldwideKey peoplePool Due Jensen (CEO / Group President) [1]ProductsPumpsRevenue28.733 billion DKK (2021)[2]Total assets2,687 billion DKK (2021)[2]Number of employees19,221 (2020)ParentPool Due Jensen Foundation (86%)Websitewww.grundfos.comGrundfos (Danish pronunciation: [kɔnʁs]) is the largest pump manufacturer in the world, based in Denmark, with more than 19,000 employees globally.The annual production of more than 16 million pump units, circulator pumps (PK), submersible pumps (SP), and centrifugal pumps (CR). Grundfos also produces electric motors for the pumps as well as electric motors for separate merchandising. Grundfos develops and sells electronics for controls for pumps and other systems.Parts of this article (those related to History) need to be updated. Please help update this article to reflect recent events or newly available information. (February 2023)Grundfos was established in 1945 in Bjerringbro by the late Pool Due Jensen in the cellar of his home. He gave his company the name of "Bjerringbro Prestesstberi og Maskinfabrik" (Bjerringbro Die-Casting and Machine Factory). In 1953, the company name was changed to "Bjerringbro Pumpefabrik" (Bjerringbro Pump Factory). The icon Archimedes water screw logo was introduced in 1955, and has been used since this time in various forms. In 1967, the company name again changed to "Grundfos", which originally served as the name of a pump product produced by the company. In 1968 a slight change was made to "Grundfos" by dropping one 's' from the name.The Pool Due Jensen Foundation was established as a self-governing institution in 1975. Today, the foundation owns about 86%, employees about 2%, and the founder's family about 12% of shares in Grundfos Holding A/S. The aim of the foundation is the continued development of the Grundfos Group. The capital and the profits of the foundation are used solely for the aim of the foundation, that is, the profits are to be re-invested in the Grundfos companies. Grundfos Holding A/S is the majority shareholder in all the Grundfos companies. Flemming Konradsen serves as the Foundation's chairman.[3]Submersible pumpsDosing pumpsDisinfection systemsEnd suction pumpsBooster pumpsBooster systemsWastewater pumpsCirculator pumpsFire pumpsGrundfos circulator pumps are used for heating, ventilation and air-conditioning in many applications, including private homes, office buildings, and hotels. In industry, circulator pumps are used in processes, plant maintenance, and as built-in parts in Original Equipment Manufacturer (OEM) products.In the water supply and wastewater sector, Grundfos offers pumps for irrigation, green houses, and for municipal, private and industrial water supply as well as for sewage applications. In the fire systems sector, the products are compliant with the popular standards of: FM, NFPA20, LPCB, VdS, EN12845 for fire sprinkler systems, among many other local standards.The Grundfos Group is represented by companies in all parts of the world. In addition, Grundfos products are merchandised by distributors in more than 50 countries."Grundfos Locations". In 2006, Hilge, a producer for pumps in sterile applications, was acquired by the group and sold to GEA[4] in 2015.Aldos, a German manufacturer of dosing pumps and disinfection equipment, was acquired in early 2005. Aldos employed around 250 people and had a strong presence in Europe, the Middle East, and Australia. Aldos was the only competitor to Grundfos' digital dosing technology. Grundfos dosing products now include Aldos's corporate colour green with Grundfos black.Grundfos announced that it had purchased US pump manufacturer Peerless Pump Company on December 1, 2007.[5]In November 2020, Grundfos completed the acquisition of EUROWATER (known as SILHORKO in Denmark).[6] This was followed by an additional acquisition of MECO, which was completed in November 2021, and Metasphere of UK in 2023.[7][8]In 1985, Grundfos established its own electronics production and in 1991, Grundfos Electronics was inaugurated, including a hybrid factory with clean room production.In May 1995, the Grundfos Technology Centre was inaugurated. The center is used for research into new materials, development of process technology, and construction of advanced production equipment and machines. In 1993, development, design and product management moved into a newly built "innovation centre".[9]Grundfos is a long-standing Official Partner of the EHF EURO Handball Men's[10] and Women's[11] teams. ^ "Grundfos appoints Pool Due Jensen as new CEO". Grundfos.com. Archived from the original on 2020-11-24. Retrieved 2020-10-30. ^ a b "Grundfos Annual Report 2021" (PDF). Grundfos.com. Retrieved 2023-01-23. """Pool Due Jensen Foundation - Composition of the Board". Retrieved 2023-07-27. ^ "GEA acquires leading supplier of hygienic pumps". Archived from the original on 2016-09-02. Retrieved 2016-01-06. """Grundfos acquires Peerless Pump Company". Retrieved 2023-01-23. """Grundfos to Acquire Eurowater". Pumps & Systems. Pumps & Systems. 15 June 2020. Retrieved 29 January 2023. ^ "Grundfos to acquire US water technology company MECO". World Pumps. World Pumps. Retrieved 29 January 2023. ^ "Grundfos acquires Metasphere to pioneer solutions to the world's water and climate challenges". """Grundfos opens new centre for water technology". Retrieved 2023-01-23. """Men's EHF EURO". Retrieved 2023-01-23. """Women's EHF EURO". Retrieved 2023-01-23. "Pool Due Jensen Foundation websiteGrundfos HistoryR. Reidy (2002). Profile of the International Pump Industry - Market Prospects to 2007. Elsevier. pp. 16, 8687. ISBN 978-0-08-094924-6.Liza Castro Christiansen (2012). "Grundfos Invests in Talent". In James Hayton (ed.). Global Human Resource Management Casebook. Taylor & Francis. ISBN 978-1-136-66324-6.Jeana Wirtenberg (2008). The Sustainable Enterprise Fieldbook: When it All Comes Together. AMACOM. p. 258. ISBN 978-0-8144-1279-4. Retrieved from " free encyclopedia that anyone can edit.117,937 active editors".7,001,233 articles in EnglishThe English-language Wikipedia thanks its contributors for creating more than seven million articles! Learn how you can take part in the encyclopedia's continued improvement.GL Mk.II transmitter variadar, Gun Laying, MarkI, or GL Mk.I for short, was an early World WarII radar system developed by the British Army to provide information for anti-aircraft artillery. There were two upgrades, GL/EP (elevation finder) and GL Mk.II (pictured), both improving the ability to determine a target's bearing and elevation. GL refers to the radar's ability to direct the guns onto a target, known as gun laying. The first GL sets were developed in 1936 using separate transmitters and receivers mounted on gun carriages. Several were captured in 1940, leading the Germans to believe falsely that British radar was much less advanced than theirs. The GL/EP attachment provided bearing and elevation measurements accurate to about a degree; this caused the number of rounds needed to destroy an aircraft to fall to 4,100, a tenfold improvement over early-war results. The Mk.II, which was able to directly guide the guns, lowered the rounds-per-kill to 2,750. About 410 Mk.Is and 1,679 Mk.IIs were produced. (Fullarticle...)Recently featured: Andrea NavageroNosy KombaMcDonnell Douglas Phantom in UK serviceArchiveBy emailMore featured articlesAboutLieke Klaver ahead in the women's 400 metres final... that a 400-metre race in 2025 (pictured) was won by Lieke Klaver, who pretended that an absent competitor was running in front of her?... that the land snail *Drymaeus pœcilus* is notable for the striking variety of colors and patterns on its shell?... that a forensic investigation of Signalgate has determined how a journalist was included in a group chat about Operation Rough Rider?... that two of the players involved in the 2005 Vietnamese football match-fixing scandal did not accept payment because they felt ashamed?... that a rebellion against a peace treaty with the Yuan dynasty operated out of the Historic Site of Anti-Mongolian Struggle on Jeju Island?... that Nathan Frink fled the United States with enslaved children to settle in Canada, where he was elected as a Member of the Legislative Assembly and caught in a smuggling conspiracy?... that Seattle's women's ice hockey team has an expected rival, despite not even having played their first game?... that Cave Johnson Cuts was separately acquitted for shooting his foreman, firing on funeral mourners, and whipping a native laborer to death?... that characters' scars in an episode of The Last of Us were made with a paste-based appliance and a foam mixer?ArchiveStart a new articleNominate an articleNgũ wa Thiong'oKenyan writer and activist Ngũ wa Thiong'o (pictured) dies at the age of 87.In sumo, *nosato* Daiki is promoted to yokozuna.In association football, Liverpool win the Premier League title in motor racing, Jax Falou won the Indianapolis 500.Ongoing: Gaza warM23 campaignRussian invasion of UkraineTimelineSudanese civil warTimelineRecent deaths: Phil RobertsonMary K. GaillardPeter DavidAlan YentobGerry ConnollySebastiao SalgadoNominate an articleMay 30: Statehood Day in Croatia (1990)Johann Sebastian Bach1431 Hundred Years' War: After being convicted of heresy, Joan of Arc was burned at the stake in Rouen, France.1723 Johann Sebastian Bach (pictured) assumed the office of Thomaskantor in Leipzig, presenting the cantata Die Elenden sollen essen in St.Nicholas Church.1922 The Lincoln Memorial in Washington, D.C., featuring a sculpture of the sixteenth U.S. president Abraham Lincoln by Daniel Chester French, opened.1963 Buddhist crisis: A protest against pro-Catholic discrimination was held outside the National Assembly of South Vietnam in Saigon, the first open demonstration against President Ng nh Dim.2008 The Convention on Cluster Munitions, prohibiting the use, transfer, and stockpiling of cluster bombs, was adopted.Ma Xifan (d.947)Colin Blythe (b.1879)Norris Bradbury (b.1909)Wynonna Judd (b.1964)More anniversaries: May 29May 30May 31Archiveby emailList of days of the yearAboutSeventeen performing "Oh My!" in 2018South Korean boy band Seventeen made their debut on May 26, 2015, when they performed a showcase for their debut EP *17 Carat* in front of a crowd of 1,000 people. Since then, the group have held 9 concert tours, 13 fan meetings, and have performed at a number of music festivals and awards shows. Their concert tours include the Right Here World Tour, which sold over one million tickets, and the Follow Tour, which was noted by Billboard as being the top grossing K-pop tour of 2023. In 2024, Seventeen made their first appearances at festivals in Europe, when they were the first South Korean act to perform at Glastonbury Festival's Pyramid Stage and as headliners for Lollapalooza Berlin. Seventeen's live performances are well regarded by fans and critics alike, and garnered them the award for Top K-pop Touring Artist at the 2024 Billboard Music Awards. (Fullist...Recently featured: Accolades received by Top Gun: MaverickNational preserve78th Primetime Emmy AwardsArchiveMore featured listsIgaŋce Tomen (1840 or 1841 15 March 1916), also known as Nias or by his Ojibwe name Maiaqizis (right/correct sun), was a Teme-Augama Anishinabai chief, fur trader, and gold prospector in Upper Canada. He was a prominent employee of the Hudson's Bay Company. Tomen was the elected deputy chief before being the lead chief and later the life chief of his community. In his role as deputy, he negotiated with the Canadian federal government and the Ontario provincial government, advocating for his community to receive annual financial support from both. His attempts to secure land reserves for his community were thwarted by the Ontario premier Oliver Mowat. Tomen's prospecting triggered a 1906 gold rush and the creation of Kerr Adair Mines Ltd., although one of his claims was stolen from him by white Canadian prospectors. This photograph shows Tomen in 1909.Photograph credit: William John Winter; restored by Adam CuedenRecently featured: Australian white ibisHell Gate BridgeAneomonides blandaArnonidesMore featured picturesCommunity portal The central hub for editors, with resources, links, tasks, and announcements.Village pump Forum for discussions about Wikipedia itself, including policies and technical issues. Site news Source of news about Wikipedia and the broader Wikimedia movement.Teahouse Ask basic questions about using or editing Wikipedia.Help desk Ask questions about using or editing Wikipedia.Reference desk Ask research questions about encyclopedic topics.Content portals A unique way to navigate the encyclopedia.Wikipedia is written by volunteer editors and hosted by the Wikimedia Foundation, a non-profit organization that also hosts a range of other volunteer projects: CommonsFree media repository MediaWiki software development Meta-WikiWikimedia project coordination WikibooksFree textbooks and manuals WikidataFree knowledge base WikispeciesFree-content news WikiquotesCollection of quotations WikisourceFree-content library WikispeciesDirectory of species WikivoyageFree travel guides WikivoyageFree learning tools WikivoyageDictionary and thesaurusThis Wikipedia is written in English. Many other Wikipedias are available; some of the largest are listed below. 1,000,000+ articles DeutschEspañolFrançaisItalianoPortuguêsSvenskaTing Vit 250,000+ articles Bahasa IndonesiaBahasa MelayuBn-lm-gCatalàenDanésEestiEsperantoEuskaraMagyarNorsk bokmålRomânăSimple EnglishSlovenianSrpskiSrpskohrvatskiSuomiTürkçeukrainaAsturianuAzərbaycancaBosanskiFrýskGaellegalegoHrvatskiKurdîLatviešuLietuviNorsk nynorskShqipSlovenina Retrieved from " 2EP by Seventeen17 CaratEP by SeventeenReleasedMay29,2015(05-29)GenreK-popdance-pophip hopLength16:48LanguageKoreanLabelPledis EntertainmentLOEN EntertainmentSeventeen chronology17 Carat(2015)Boys Be(2015)Singles from 17 Carat "Adore U"Released: May 29, 201517 Carat is the debut extended play (EP) by South Korean boy group Seventeen. It was released on May 29, 2015, by Pledis Entertainment and distributed by LOEN Entertainment. "Adore U" serves as the lead single for the EP.17 Carat features five tracks written, co-written, and co-produced by Seventeen's group members. "Adore U" was chosen as the lead single for the EP and was performed on multiple music shows by the group. "Shining Diamond" was used as a pre-single on the group's reality debut show. The group stated that the tracklist was chosen to reflect Seventeen's core concept of "boys' passion".[1] The album has two physical versions: one with a "black" themed photo card set, and the other with a "white" themed photo card set. All copies include a CD containing the songs and a fold-up poster/lyric sheet."Adore U" is the lead single of the extended play. It was written by Woozi, S.Coups, and Yeon Dong-geon.[2] The Korea Herald states "Adore U" is a funky pop song about a teenage boy trying to navigate through puppy love.[3] It marks the beginning of the group's trilogy composed of the singles Adore U, Manasse, and Pretty U about a boy meeting, falling in love and asking out a girl. The track was composed and arranged by Woozi, Bumzu, and Yeon Dong-geon. The music video for the single was released on May 29, 2015, and was directed by Doo Shim. The dance choreography accompanied to the song was choreographed by Hoshi and focuses on "storytelling and on highlighting each member's strengths onstage".[4] The single has sold more than 38,000 digital copies and peaked at number 13 on the Billboard US World Chart.The EP has sold over 82,972 copies in South Korea.[5] It peaked at number 4 on the Korea Gaon Album Chart[6] and number 8 on the US World Billboard Chart.[7]Year-end listsCritic/publicationListRankRef.BillboardThe 10 Best K-pop Album of 2015Placed8[8]Hoshi participated in the choreography of "Adore U" and "Shining Diamond", Dino choreographed "Jam Jam" [9]Official track list[10]No.TitleLyricsMusicArrangementLength1."Shining Diamond" WooziVernonS.CoupsKim Min-jeongWooziMasterKeyRishi3:242.""Adore U" ( ) GkindaWooziVernonS.CoupsBumzuWooziBumzuYeon Dong-geonWooziBumzuYeon Dong-geon3.073."Ah Yeah" (Hip-Hop Unit). CoupsVernonWonwooMingyuCream DoughnutRishiCream DoughnutRishi3:294."Jam Jam" (Performance unit + Vernon)WooziHoshiDinoVernonWooziCream DoughnutCream Doughnut3:255."20" (Vocal unit)WooziWooziYeon HeonYeon HeonWooziYeon HeonWooziDong Neohyeong3:23Weekly chart performance for 17 CaratChart (2015-2023)Peak position[1]Japanese Albums (Oricon)[11]46South Korean Albums (Gaon)[12]4US World Albums (Billboard)[13]8Year-end chart performance for 17 CaratChart (2015)Peak positionSouth Korean Albums (Gaon)[14]47 "Seventeen hopes to shine like diamonds with '17 Carat'". The Korea Herald. 26 May 2015. Retrieved 30 November 2016. ^ "Adore U". Color Coded Lyrics. 29 May 2015. Retrieved 29 November 2016. ^ "Seventeen hopes to shine like diamonds with '17 Carat'". The Korea Herald. 26 May 2015. Retrieved 30 November 2016. ^ "Cumulative sales of 17 Carat": 2015 Album Chart". "2016 11 Album Chart". "2017 11 Album Chart". "2018 11 Album Chart". "2019 11 Album Chart". "2020 11 Album Chart". 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