

2200 gal. / 8327 L Sand Filter Manual

OWNER'S MANUAL

58499 Hmax 1.5 m Sand Filter



Visit www.bestwaycorp.com/support for help

WE SUGGEST NOT TO RETURN THE PRODUCT TO THE STORE

QUESTIONS? PROBLEMS? MISSING PARTS?

For FAQ, Manuals, Videos Or Spare Parts, Please Visit bestwaycorp.com/support

IMPORTANT SAFETY INSTRUCTIONS

WARNING

IMPORTANT SAFETY INSTRUCTIONS - READ AND FOLLOW ALL SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS

When installing and using this electrical equipment, basic safety precautions should always be followed, including the following:

- The pump is to be supplied by an isolating transformer or supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30 mA.
- The power source on the wall of building should keep more than 3.5 m away from pool.
- The appliance must be supplied by earthed power source.
- **RISK OF ELECTRIC SHOCK** - The pump cannot be using while people are inside the pool. Forbid access of the pool in case of damage of the sand filter.
- **DO NOT BURY CORD.** Locate cord to minimize abuse from lawn mowers, hedge trimmers, and other equipment.
- To reduce the risk of electric shock, replace damaged cord immediately.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Extension cords can't be used.
- Risk of electric shock. Using the sand filter with an unmatched electrical supply is dangerous and will permanently damage the sand filter.
- Do not remove the grounding prong or modify the plug in anyway. Do not use adaptor plugs. Consult a qualified electrician for any questions relating to validity of your plugs or grounding.
- Handle the sand filter with care. Do not pull or carry the sand filter by the power cord. Never pull a plug from the outlet by yanking the power cord. Keep cord free from abrasions. Sharp objects, oil, moving parts, and heat should never be exposed to the sand filter.
- Always unplug this product from the electrical outlet before removing, cleaning, servicing or making any adjustment to the product.
- Don't plug or unplug the appliance if hand is wet.
- Always unplug the appliance:
 - On raining days

- Before cleaning or other maintenance
- Leave it unattended on holidays
- When the appliance will be not used for long time, such as in the winter, the pool set should be disassembled and stored indoor.
- **CAUTION:** Read the instruction before using the appliance and installation/reassembly every time.
- Safe-keeping the instruction. For reconstruction the pool set every time, please always refer to the instructions.
- If instruction is missed, please contact with Bestway or search it in website: **www.bestwaycorp.com**.
- Electric installations should follow national wiring rules. Consult a qualified electrician for any questions.
- **CAUTION:** This sand filter is for use with storable pools only. Do not use with permanently-installed pools. A storable pool is constructed so that it is capable of being readily disassembled for storage and reassembled to its original integrity. A permanently-installed pool is constructed in or on the ground or in a building such that it cannot be readily disassembled for storage.
- Always disconnect the appliance from the supply before assembling, disassembling or cleaning.
- Appliances can be used by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and if they understand the hazards involved.
- Children shall not play with the appliance.
- Pumps without indication that they are protected against the effect of freezing shall not be left outside during freezing weather conditions.
- Cleaning and user maintenance must be performed by an adult above 18 years old who is familiar with the risk of electric shock.

NOTES:

- Place the sand filter on solid, level ground. The appliance must be placed more than 2 m away from the pool. Keep distance as far as possible.
- Pay attention to position pool and sand filter so adequate ventilation, drainage, and access for maintenance is available. Never place the sand filter in an area that may accumulate water, or on a walking path with lots of foot traffic.
- It is necessary to have the plug accessible after installation of the pool.
- Atmospheric conditions may affect the performance and life span of the sand filter; take adequate precautions to protect the sand filter from unnecessary wear and tear that may occur during periods of cold or hot weather and/or exposure to sun.
- Please examine and verify all sand filter components are present before use. Notify Bestway at the customer service address listed on this manual for any damaged or missing parts at the time of purchase.
- It is imperative to change as soon as possible all deteriorated parts. Only use parts approved by the manufacturer.
- Do not allow children or adults to lean or sit on the apparatus.
- Do not add chemicals to the sand filter.
- When chemical products are used to clean the pool water, it is recommended to respect a minimum filtration time to preserve the health of swimmers which depends on compliance of health regulation.
- Only the media provided or specified by the manufacturer is to be used with product installation.
- It is essential to check that the suction openings are not obstructed.
- It is advisable to stop the filtration during maintenance operations on the filtration system.
- Regularly monitor the filter clogging level.
- A weekly check is recommended for backwashing or cleaning. Minimum daily filtration operating time of 8 hours is recommended to ensure clear pool water.
- It is essential to change any damaged element or set of elements as soon as possible. Use only parts approved by person responsible for placing the product on the market.
- All filters and filter media shall be inspected regularly to ensure that there is not a build-up of detritus thus preventing good filtration. The disposal of any used filter media should also be in accordance with applicable regulations/legislation.
- Mind all the safety requirements and recommendations described in the manual. In case of doubt on the pump or any circulation devices, contact a qualified installer, or the manufacturer/importer/ distributor. The water circulation installation shall comply with the European as well as national/local regulations, especially when dealing with electrical issues. Any change of valve position, pump size, grille size can cause a change of the flow and the suction velocity can be increased.
- This product is not intended for commercial use.

PLEASE READ THE INSTRUCTION MANUAL CAREFULLY AND KEEP IT FOR FUTURE REFERENCE.

SAVE THESE INSTRUCTIONS

DISPOSAL

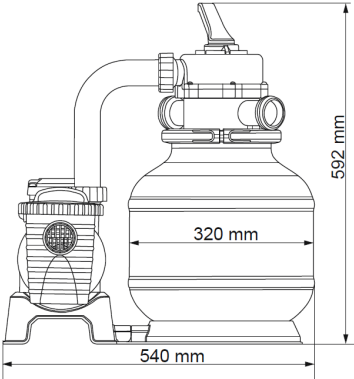


Electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

Technical Safety Instructions

- **WARNING:** Do not place chlorine or other chemicals in the strainer. This can cause serious personal injury and damage to your product.

PRODUCT DESCRIPTION

	Filter Diameter:	320 mm
	Effective Filter Area:	0.075 m² (0.81 ft²)
	Max. Operating Pressure:	1.59 Bar (23 PSI)
	Working Sand Filter Pressure:	<0.56 Bar (8 PSI)
	Max. Water Temperature:	35°C (95°F)
	Compatible With:	#20 Silica Sand (0.45-0.85 mm) - approximately 20 kg (44.1 lbs) Polysphere™ Pool Filtration Balls - approximately 560 g (1.23 lbs)

NOTE: If sand or Polysphere™ is not included in the set, please visit our website at www.bestwaycorp.com or your local hardware store.

PARTS & TOOLS

Compare the parts in your box to the parts listed in this manual. Verify that the equipment components represent the model that you had intended to purchase. If any parts are damaged or missing at the time of purchase, visit our website bestwaycorp.com/support.

Before assembling the product, take a few minutes to become familiar with all the parts.

You will need a Phillips head screwdriver (not included).



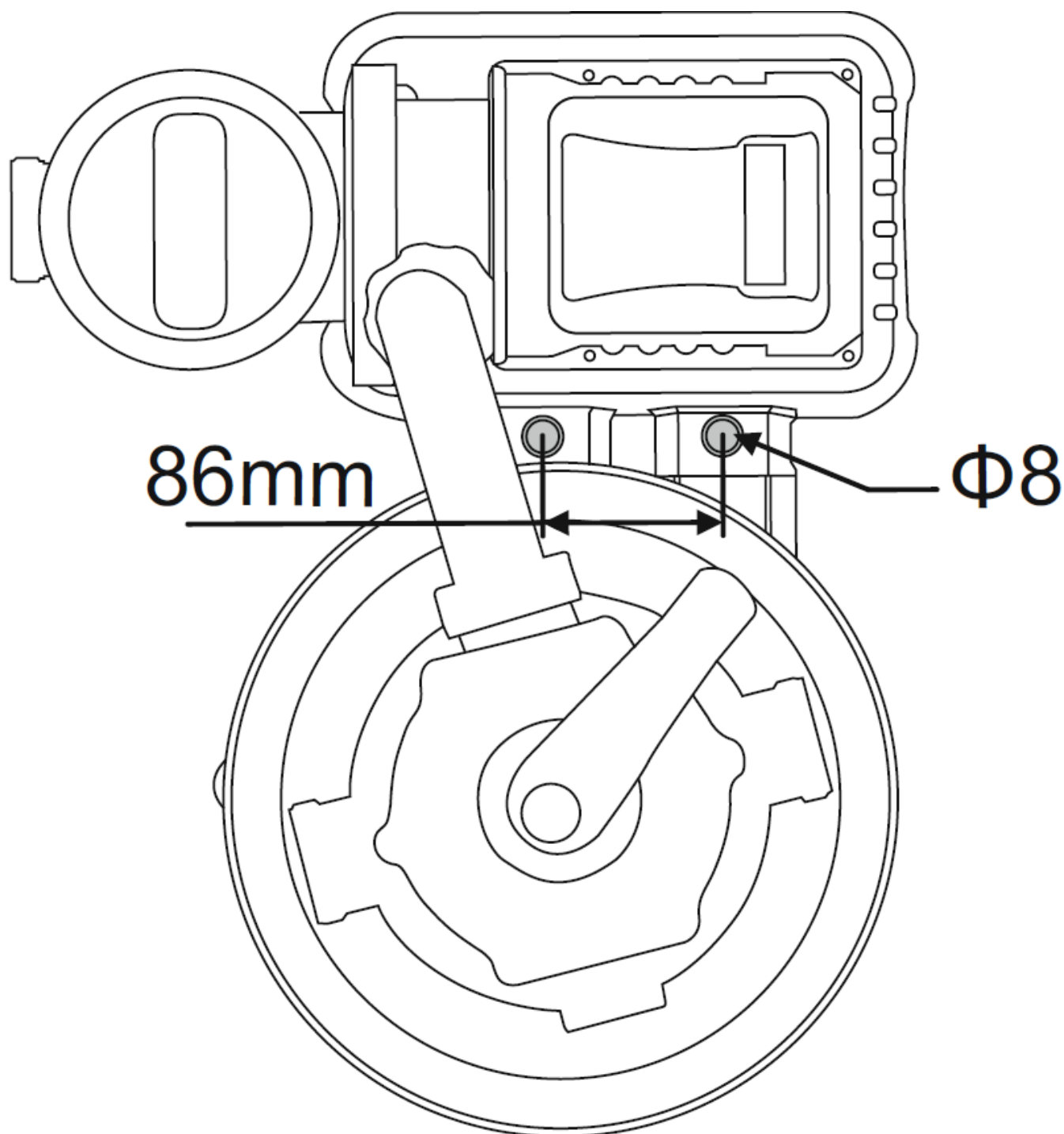
Before setting up the pump, turning the pump on or performing any maintenance, please make sure you have read the manual carefully.

SETUP INSTRUCTIONS

Overview

Choosing the Correct Location:

1. The sand filter should be placed on solid, level ground, preferably a concrete slab. Position the sand filter so the ports and control valve are accessible for operation, servicing and winterizing.
2. The sand filter must be situated in the upright position, either on the ground or on a pedestal made of wood or concrete before use, preventing the sand filter from accidentally falling over. The fully assembled sand filter will exceed 18 kg (39.7 lbs). If you are using a wood pedestal, you must mount the filter to the platform. The mounting holes should be 8 mm in diameter and spaced 86 mm apart. Use two bolts and nuts with a maximum of 8 mm in diameter (not included) to fasten the sand filter to the pedestal.



Helpful Tip:

IMPORTANT: Do not place anything in the strainer. Clean the strainer often to keep it free of debris and to help maintain consistent water flow.

If you do not use the recommended size of filtration sand, filtering performance will be reduced and the sand filter may be damaged, thereby voiding the warranty.

IMPORTANT: Some small debris can pass through the sand and back into the pool. This is normal, especially if the debris is fine or silt. To limit this, it is better to follow the [Maintenance Instructions](#), **Backwash** and **Rinse** when necessary.

If the pool has a large amount of debris when you are vacuuming it, we suggest performing the **Backwash** function (see the [Usage](#) section) when you finish cleaning half of the pool.

INSTALLATION INSTRUCTIONS

For installation instructions, follow the illustrations in the back of the manual. Drawings are for illustration purposes only. May not reflect actual product. Not to scale.

IMPORTANT: Before attaching the hose, ensure that the Gasket has been installed properly on the pump.

Bestway is not responsible for damage caused to the product due to mishandling or failure to follow these instructions.

USAGE INSTRUCTIONS

Control Valve

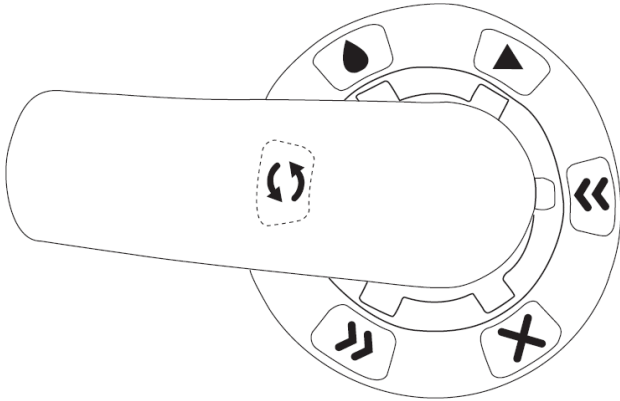
Press down on the control valve handle and rotate to the desired function. To prevent equipment damage, always turn the sand filter off before changing the control valve function. Do not set the control valve between two functions; this will lead to water flowing out from the D port.

Do not turn the sand filter on when the control valve is set to the closed function; this will increase the inner pressure and seriously damage the sand filter.

Helpful Tip:

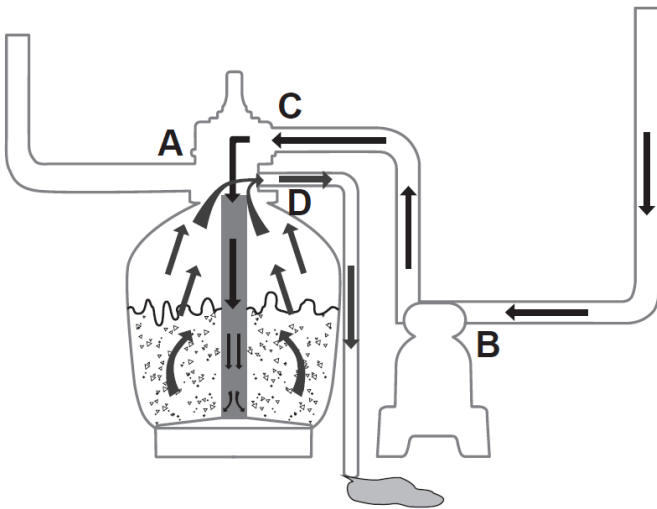
IMPORTANT: Do not dry run the sand filter. Make sure both the pool's inlet and outlet are open and fully covered by water. Before switching on the sand filter, perform the [Air Discharging Operation](#) as shown (see the [Installation](#) section).

NOTE: Skipping this step will greatly affect the lifespan of the product.



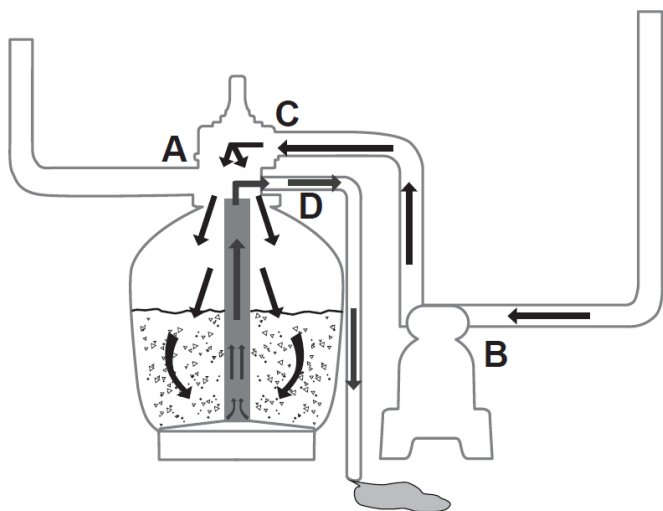
Backwash

This function cleans the sand. Water is pumped down through the Collector Hub, up through the sand and drained out of the D port.



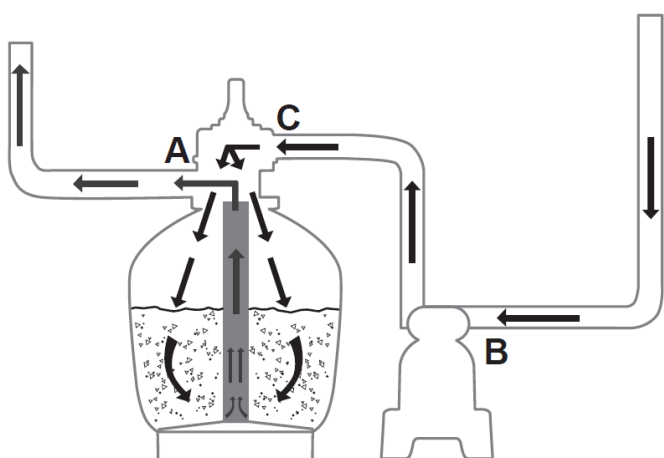
Rinse

This function should be used during initial startup, to clean the pump and to level the sand after running the **Backwash** function. Water is pumped down through the sand, up through the Collector Hub and drained out of the D port.



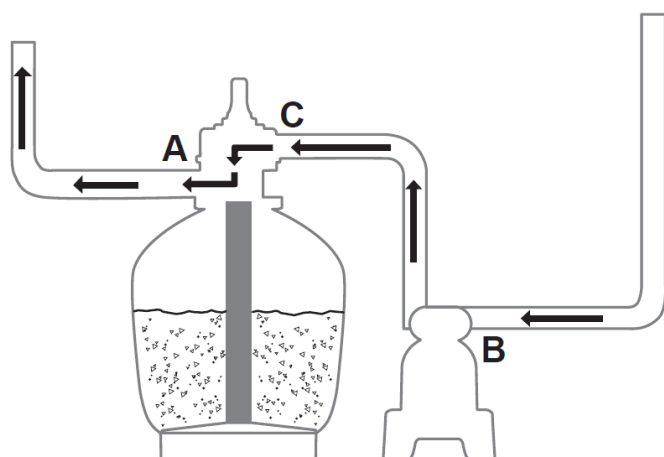
Filter

This function is used to filter the pool water and will be the function in use 99% of the time. Water is pumped through the sand filter, where it is cleaned and returned to the pool.



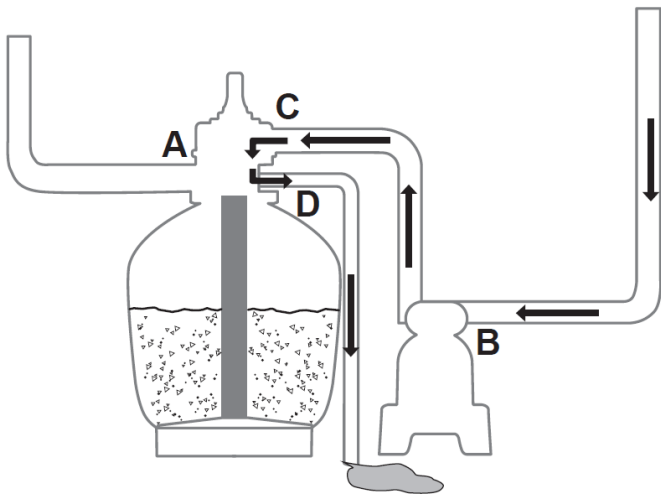
Circulate

This function circulates pool water by passing it through the sand filter pump but not through the sand. Use this function if the filter is broken to collect debris in the debris screen.

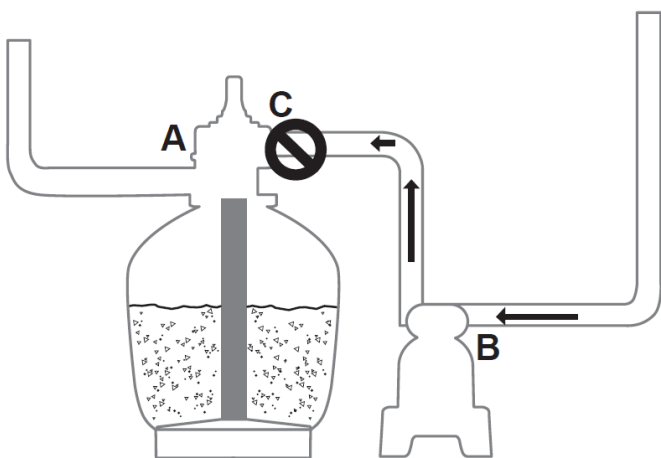


Drain

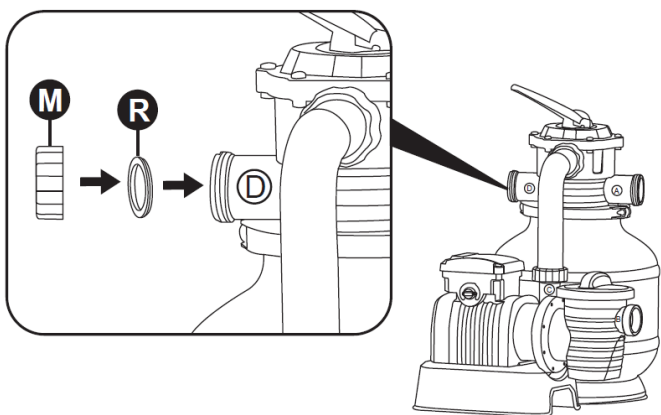
This function drains water from the pool. Water is pumped out of the pool and drained out of the D port, instead of returning to the pool.



This function stops water from flowing between the sand filter pump and the pool.

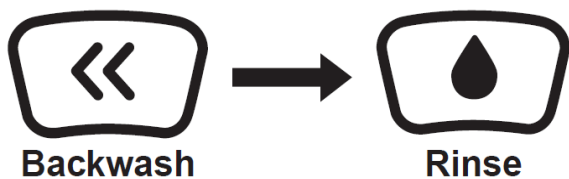


To prevent water from leaking, attach the **Port D Cap (M)** and a **Gasket (R)** to the D port before running the sand filter. When the control valve is set to the **Backwash**, **Rinse** or **Drain** functions, remove the **Port D Cap (M)** so the water can drain from the D port.



First Time Use Instructions

The **Backwash** and **Rinse** functions must be performed to wash the sand and prepare the pump for its first use.



Backwash	Rinse
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IMPORTANT: This procedure removes water from the pool, which you will need to replace. Turn the sand filter off immediately if the water reaches the same level as the pool inlet or outlet valves.

- 1. Run the **Backwash** function for 3-5 minutes, then the **Rinse** function for 1 minute.
- 2. Now the sand filter is ready for use. Set the control valve to the **Filter** function.

IMPORTANT: Before operation, make sure the tank is steady and stable on its base and connected correctly to the pump.

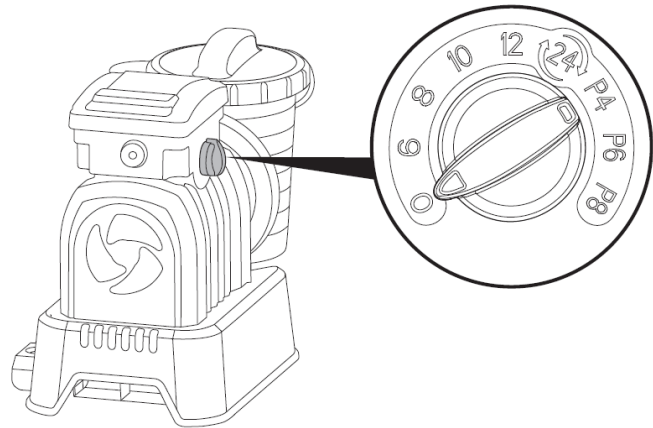
Timer

- 1. Plug the pump into the power source and turn the timer knob to the desired position. The sand filter will start working. If you turn the knob back to the “0” position, the sand filter will stop working.
- 2. After turning it on, you can adjust the work time, rest time and cycle time by turning the knob to the desired position. See the table below for more details.
- 3. When the timer knob is moved into a new position, the filter’s previous cycle automatically cancels, and the new cycle will begin.
- 4. Every time the filter is powered on or restarted, a new cycle will begin based on the timer knob position.

NOTE: If the knob is adjusted to the 24-hour position (24), the sand filter will work continuously without any rest periods.

NOTE: The sand filter features a built-in timer that automatically restarts the filtration cycle approximately every 24 hours. Due to technical reasons, the filtration system will start about 4 minutes earlier each day. This does not affect the functionality or filtering capability of the system.

Knob Position	Working time (H)	Rest time (H)	Cycle period (H)
0	/	/	/
6	6	18	24
8	8	16	24
10	10	14	24
12	12	12	24
24	24	0	24
P4	4	4	8
P6	6	6	12
P8	8	8	16



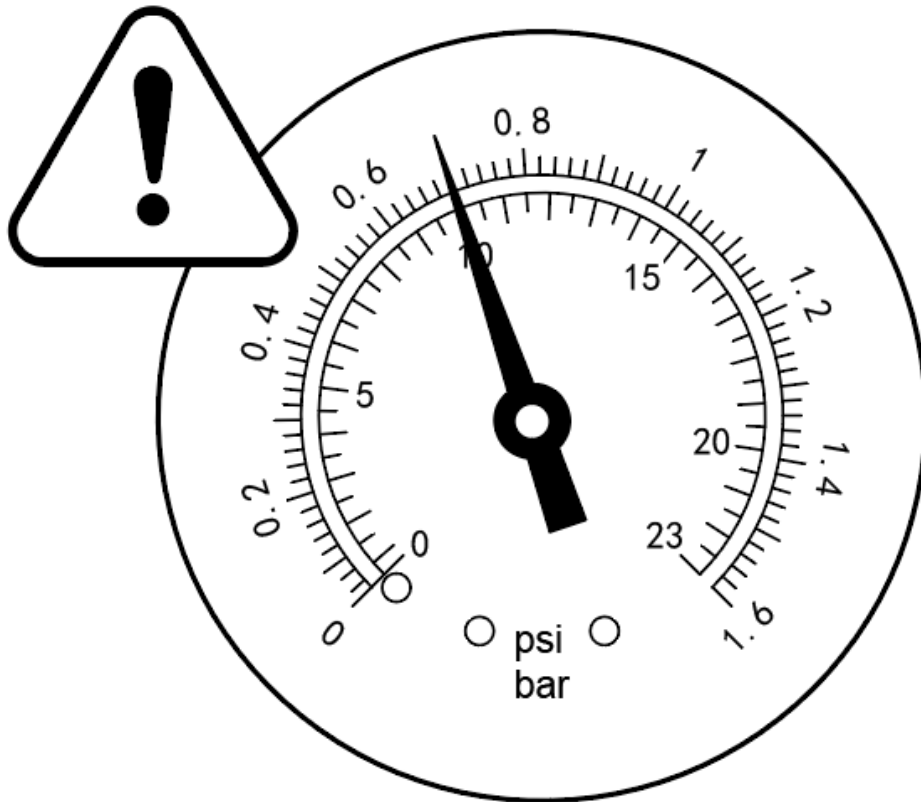
MAINTENANCE INSTRUCTIONS

For cleaning and maintenance, refer to the illustration steps in the back of the manual. Drawings are for illustration purposes only. May not reflect actual product. Not to scale.

NOTE: The strainer must be emptied and cleaned periodically. A dirty or blocked strainer will reduce the performance of the sand filter.

CAUTION: You must ensure the sand filter is turned off and unplugged before beginning any maintenance actions or there is a severe risk of injury or death.

As dirt builds up in the sand filter, the pressure reading on the pressure gauge will increase. When the pressure gauge is 0.56 Bar (8.0 PSI) or higher, it is time to clean the sand. To clean the sand, follow all instructions outlined previously in: **Backwash** and **Rinse**.



NOTE: The pressure gauge is for maintenance purposes only, and the pressure gauge value is just for reference. It should not be used as a precision instrument.

NOTE: We recommend cleaning the sand once a month or less depending on how often the pool is used. Do not clean the sand too frequently. We also suggest contacting your pool dealer for the chemical product specifically made to clean the sand. Correct maintenance of the sand will optimize the cleaning efficiency and avoid the accumulation of oils or scale.

DISASSEMBLY & STORAGE INSTRUCTIONS

Draining

For draining, follow the illustrations in the back of the manual. Drawings are for illustration purposes only. May not reflect actual product. Not to scale.

Before draining your pool water, make sure that you are draining the water away from the house and any objects that are subject to water damage. Check local regulations for drainage bylaws.

1. Disconnect the sand filter from the power supply.
2. Remove the **Port D Cap (M)**. Use the **Hose Nut (T)** to attach the **Drain Hose Adaptor (S)** to the D port. Attach a garden hose (not included) to the **Drain Hose Adaptor (S)** to drain away the pool water. Press down the control valve and rotate to the **Drain** function.

Helpful Tip:

If you don't wish to completely drain your pool, it is possible to continue using your sand filter pump. Complete the steps above until the water is at the desired level. Ensure the water is still **completely covering the ports**, then rotate the control valve to the desired function, such as **Backwash**. Connect the sand filter to the power supply and turn on the switch found on the **Motor and Bottom Tank (H)**.

Storage

Remove all accessories; be sure that the sand filter, hoses and debris screens are completely clean and dry before storage. If all the parts are not completely dry, mold may result. Before storage, remove and dry the sand, then store in dry place.
 We strongly recommend disassembling the sand filter when the ambient temperature is below 10°C / 50°F.
 Store the sand filter in a dry place with a moderate temperature between 10°C / 50°F and 38°C / 100°F.

TROUBLESHOOTING

Problems	Probable Causes	Solutions
Sand is flowing into the pool	The sand is too small	Use the recommended size of 0.45-0.85 mm #20 silica sand
	The control valve was moved from Backwash to the Filter function without turning the sand filter off	Turn off the sand filter before moving the control valve
	The Backwash and Rinse functions are not enough to clean the sand	Repeat the Backwash and Rinse functions
	The skimmer is broken	Replace the skimmer
There isn't any water flow	The stopper plugs were not removed	Remove the stopper plugs and replace with the outlet strainers
	Air was not released	Release the air following the Air Discharging Operation
	The control valve is set to Closed	Set to the Filter function
	The hoses are incorrectly connected	Fix the hose connection
	The strainer is blocked	Clean the strainer
	The sand filter is broken	For assistance, please visit the support section on our website, www.bestwaycorp.com
There is excessive filter pressure	The sand or Polysphere™ Pool Filtration Balls are dirty	Perform the Backwash and Rinse functions / wash the Polysphere™ Pool Filtration Balls
	The sand bed is calcified	Change the sand
	The Backwash and Rinse functions are not enough to clean the sand	Repeat the Backwash and Rinse functions until the water runs clear
	The pressure gauge is broken	Replace the pressure gauge
There is water leaking from the D port	The control valve is stuck between two functions	Set the control valve to one function
	The cap is not properly sealed	Replace the gasket on the D port
	The cap is not on the port	Place the cap on the D port
	The pump is set to the Filter function and the cap is not on the port, and there is a large amount of water flowing out of the D port	For assistance, please visit the support section on our website, www.bestwaycorp.com

Water is leaking between the hoses and the ports of the control valve	The O-Ring on the hose is broken	Replace the O-Ring
	The gear or plastic clip is not installed correctly	Tighten the gear or the plastic clip
	The gasket is missing	Replace the gasket

WARRANTY TERMS

For support and product registration, please visit bestwaycorp.com/support.

