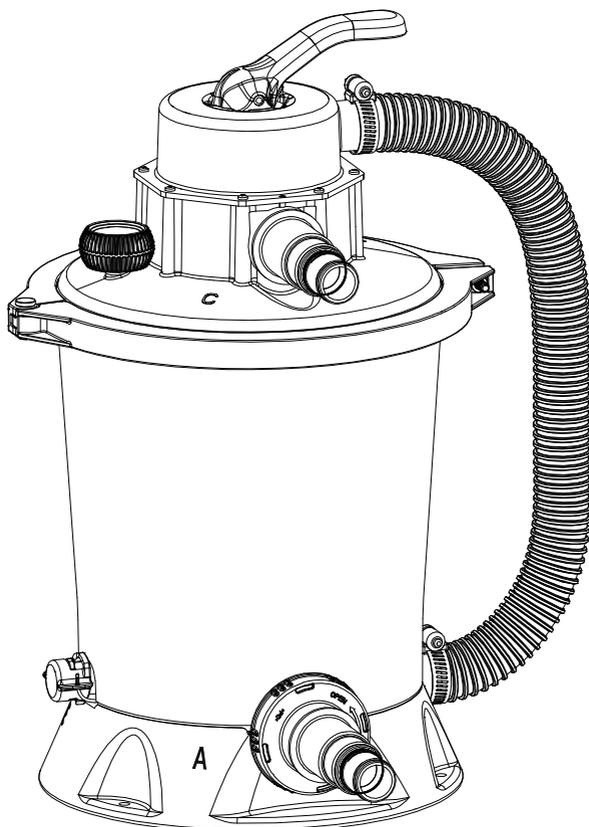


# Filtration group



Made in **★ Poolstar**

Product Specifications	
Model	57001A
Current	220-240V
Power	60W
Maximum operating pressure	<0.2bar (3psi)
Efficient filtration surface	0.058m <sup>2</sup> (0.62ft <sup>2</sup> )
Maximum water flow	3,03m <sup>3</sup> /h (800 gallons/h)
Maximum water temperature	35°C
Type of filtering media	Sand, zeolite, recycled glass filter, foam filter (special swimming pool)
Recommended sand quantity	10 kg

# Safety notice

Please follow the safety instructions concerning the installation and use of this electrical equipment:

This equipment must not be manipulated by children less than 8 years old and persons with reduced sensory or mental abilities, or lacking experience and knowledge, if they are not properly supervised and if instructions related to the safe use of the equipment have not been provided and if risks incurred were not ascertained. Children must not play with the equipment. Cleaning and maintenance of the equipment is not to be done by children without supervision.

The pump must not be installed in swimming pools. It must be installed and used according to installation regulations NFC 15-100.

Please ensure the filtration pump is situated at least 2 meters away from the side of the swimming pool.

The pump electric plug must be situated at least 3.5 meters from the swimming pool.

Please consult with your specialized electrician.

**Warning:** risk of electrical shock. This product is protected with an earth safety. If you are unable to check whether your installation is equipped with earth safety or a circuit breaker, please contact an experienced technician prior to installation. Maximum leakage value must not exceed 30mA.

**Warning:** please disconnect the power supply to the equipment before moving, cleaning or adjusting the product.

**Warning:** do not bury the cable underground and install it in a secure place where lawn mower and other equipment cannot damage it.

The power cable must not be replaced. If it has been damaged, do not use the equipment.

**Warning:** to reduce any risk of electric shock, do not connect to an extension cable, a timer or a converter. Only use the electric plug provided.

**Warning:** do not connect or disconnect the electric plug if you are in a wet environment or if your hands are wet.

**Warning:** after installation, the electric plug must be positioned in a way to be visible and accessible by users.

**Warning:** do not use this product when the swimming pool is in use.

**Warning:** installing and disassembly must be done by adults only.

**Warning:** this product must not be used for above-ground swimming pools. It cannot, in any way, be used for sheltered pools.

**Warning:** to avoid any type of damage, only use the 6-way valve when the product is disconnected from electricity.

**Warning:** to avoid any electrical risk, do not use this product if the cover has not been properly fixed or if it is damaged. If the cover is damaged, it must be changed before any further use.

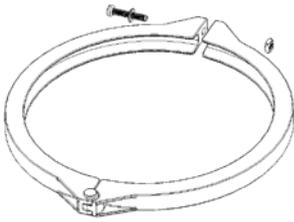
**Warning:** do not play or swim near the suction plug or outlet. Your body or your hair can be sucked and cause damage.

**Warning:** when value on pressure gauge exceeds predefined maximum value, do not start the product.

**Warning:** pressure that is too high or incorrectly installed cover can cause an explosion with body damage.

**Caution: The product must be used only within the limits defined in this manual.**

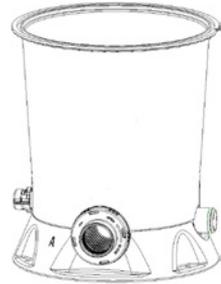
## What you will find in your package



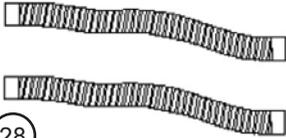
Clamp ring



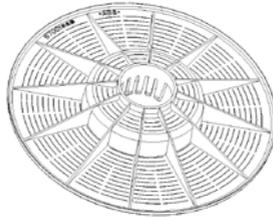
Cover with 6-way valve



Filtration shell



28 Corrugated pipes



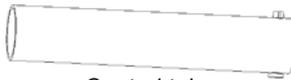
Strainer



Cover joint



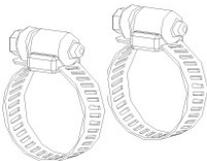
Filtration return hose



Central tube



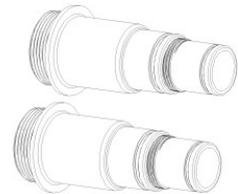
Central tube plug



Hose clamp 32/50



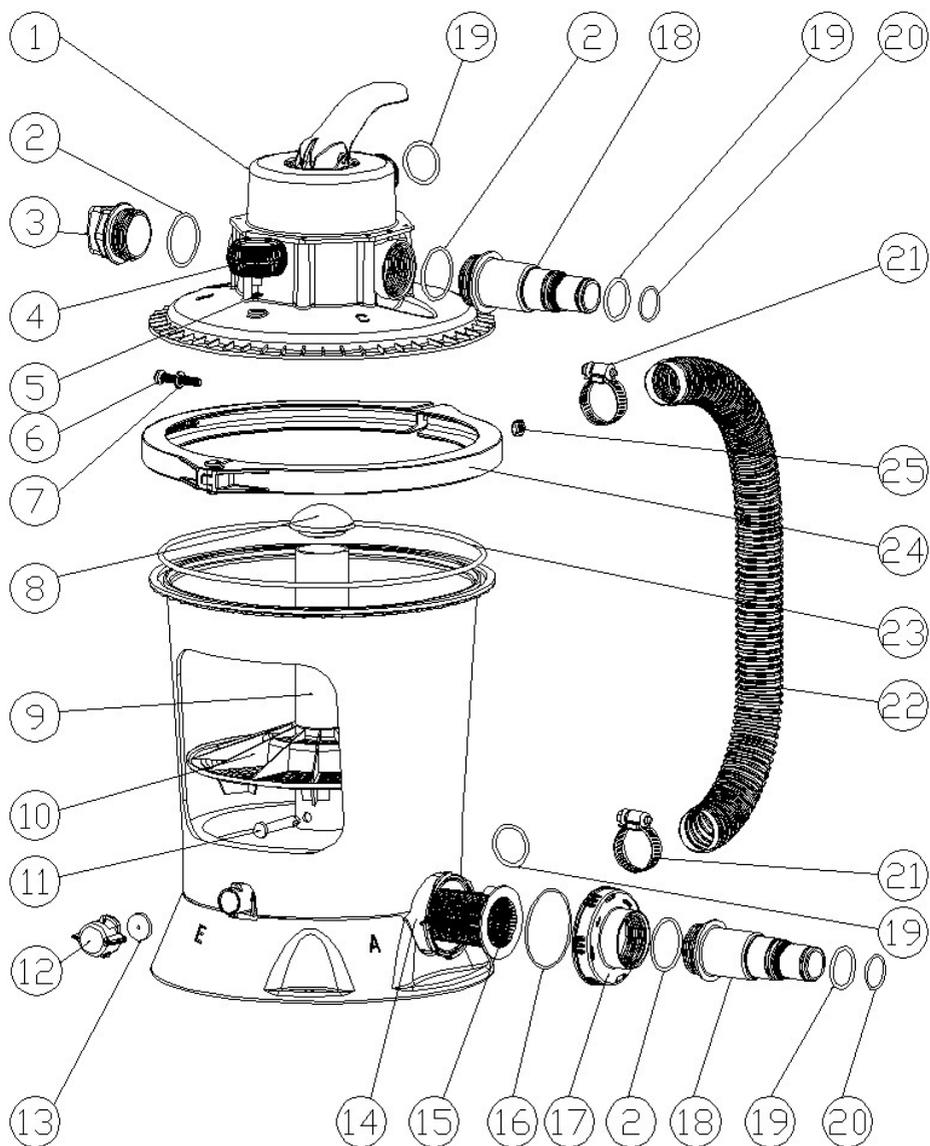
26 Hose clamp 25/42



Connectors 32/38



26 Suction and discharge prefilters



## Parts reference table

N°	Name	Quantity	N°	Name	Quantity
1	Cover with 6-way valve	1	16	Prefilter sealing joint	1
2	Sealing joint	3	17	Prefilter plug	1
3	Sealing plug	1	18	32/38 connectors	1
4	Pressure gauge	1	19	38 sealing joint	3
5	Pressure gauge sealing joint	1	20	32 sealing joint	2
6	M8 screw	1	21	32-50 hose clamp	2
7	Washer	1	22	Φ38 corrugated pipe	1
8	Central tube protection cap	1	23	Upper cover sealing joint	1
9	Central connection tube	6	24	Clamp ring	1
10	Strainer	1	25	M8 nut	1
11	Safety pin	1	26	Suction prefilter	2
12	Drain plug	1	27	25-42 hose clamp	4
13	Drain plug joint	1	28	Φ32 connection pipe to the swimming pool	2
14	Electric pump + filtration shell group	1			
15	Pump prefilter	1			

## Installation instructions:

Carefully prepare the area where your filtration group will be installed.

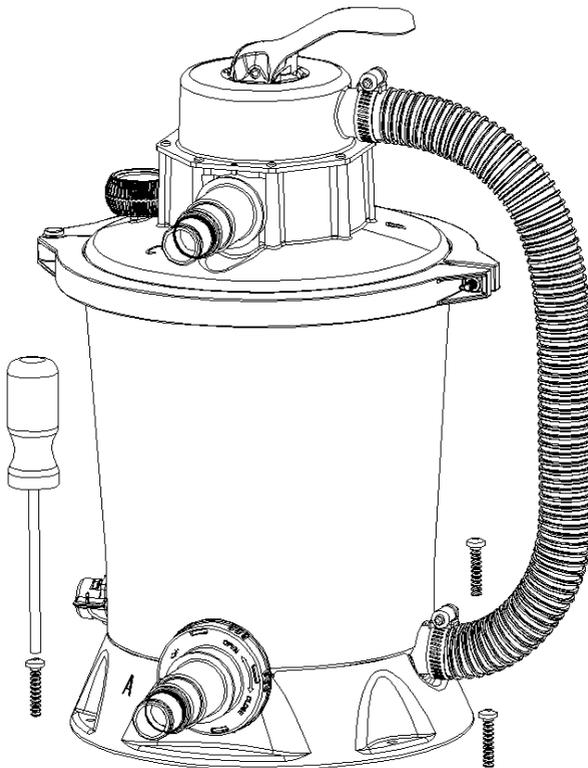
### Important advice:

This product must be installed on a stable, rigid, levelled surface with enough space provided above it for its handling and maintenance. Please ensure to follow all current regulations in your region relative to the installation of a filtration group.

The filtration group must be secured to the ground with three fixation points, ideally on a concrete slab or a wood floor (screws not provided).

Caution: fixation diameter at the base is 8 mm

Caution: maximum diameter for two screws and fixing nut is 8mm.



## Filling up with filter media:

Caution: use filtration sand specific for swimming pools. Sand granulometry must be between 0.45 and 0.85mm. (or between 0.018-0.033 inch), general grain homogeneous coefficient is lower than 1.75.

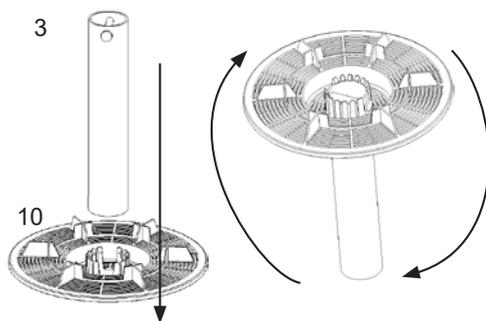
It is also possible to use foam type media such as «Pureflow» instead of filter sand.

### Step 1

Assembly of the elements of the filtration unit.

Before loading sand or filter foam, insert the central tube (3) into the strainer (10) until the tube is completely clipped. Be careful not to break the strainer clips when inserting the tube. The safety pin must fit perfectly between the clips of the strainer.

Then turn over the strainer + central tube assembly and install it in the filtration unit.

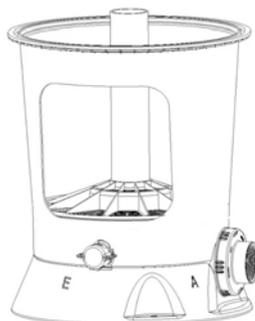


### Step 2

Position the cap on the central tube (8) to avoid any presence of sand in the tube.

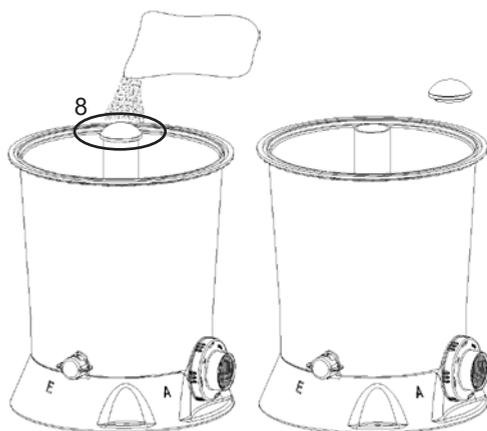
Gradually pour 10 kg of sand to avoid spilling it into the upper groove of the tank.

Once the sand has been poured, spread it evenly by hand.



### Step 3

Remove the cap from the central filter tube (8).



## Installing the control cover

### Warning :

The presence of sand or any other foreign body in the groove or on the seal can cause a leak or even an explosion of the filtration unit.

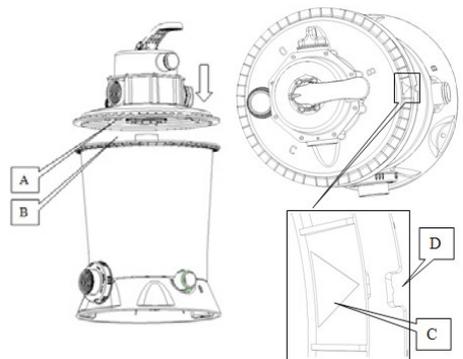
### Step 1

Clean the top groove of any sand that may be inside before installing the gasket.



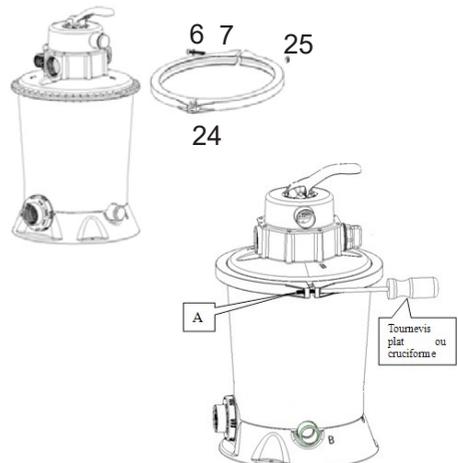
### Step 2

The cover (A) and the filter body (B) are equipped with a notch (C, D) to indicate the mounting orientation of the cover. Make sure these notches line up perfectly with each other.



### Step 3

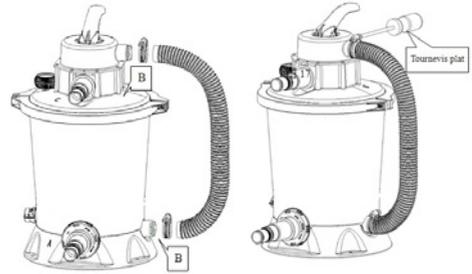
Install the clamp so that it encircles the flange of the cover and of the filter shell. Secure using the screw (6) and the washer (7) on one side, and the m8 nut (25) on the other, and tighten it using a suitable screwdriver.



## Step 4

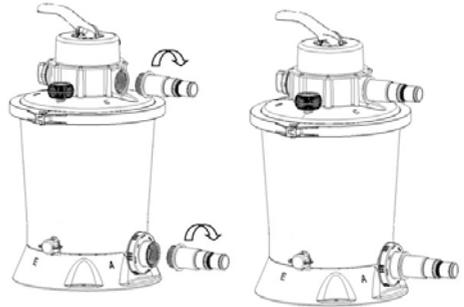
Pass the 2 32/50 hose clamps around the corrugated pipe, then install it so that it faces the connection between the filter body and the cover, as shown in the following figure. Then tighten the hose clamps with a screwdriver.

**CAUTION: EXCESSIVE TIGHTENING CAN DAMAGE THE HOSE.**



## Step 5

Install the 32/38 fittings on the cover as well as on the filtration shell, check the provided seal joints are in place and in good condition, and tighten them by hand.

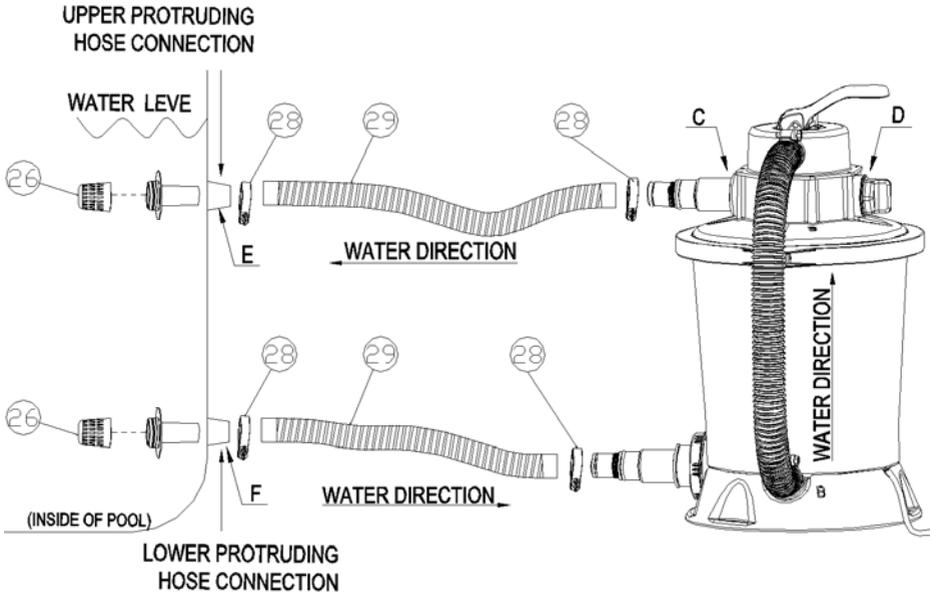


## Connecting your filtration group to your swimming pool.

Start by installing the pre-filters in your swimming pool. They prevent large foreign bodies from damaging the pump or its motor.

Then install the connection pipes to the swimming pool and to the 32/38 fittings of the filtration unit and tighten them with the clamps provided.

The water is sucked in through the low inlet of the filtration unit while the delivery is through the top side.



## Handling the 6-way valve

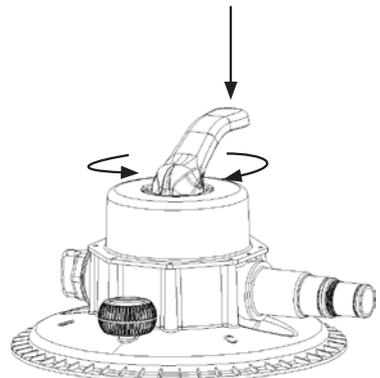
**Warning:** Check that all hoses are properly installed and tightened, that they are not pinched and that there is sand or other filter media in the filter.

**Warning:** Make sure the product is properly protected against current leakage.

**Warning:** Never start the filter if the 6-way valve is in the «closed» position (5).

To operate the control valve, press the valve lever and then turn the valve to the required position.

**NEVER HANDLE THE VALVE WHILE THE PRODUCT IS FUNCTIONING.**



## First start-up

For the first start-up, it is important to clean the sand present in the filter. This should be repeated from time to time when you feel that the water in your pool is no longer sufficiently clean or depending on the pressure on the gauge.

### Step 1

Make sure the 6-way valve is in the closed position (5).  
Unscrew the drain plug (D) and insert a 32/38 connector (not supplied).  
Insert a pipe to this fitting and position the other end in a sewer.  
Position the 6-way valve in the Backwash position (4) and start the filtration unit.  
Once the drain water is no longer cloudy, stop the filtration unit.

### Step 2

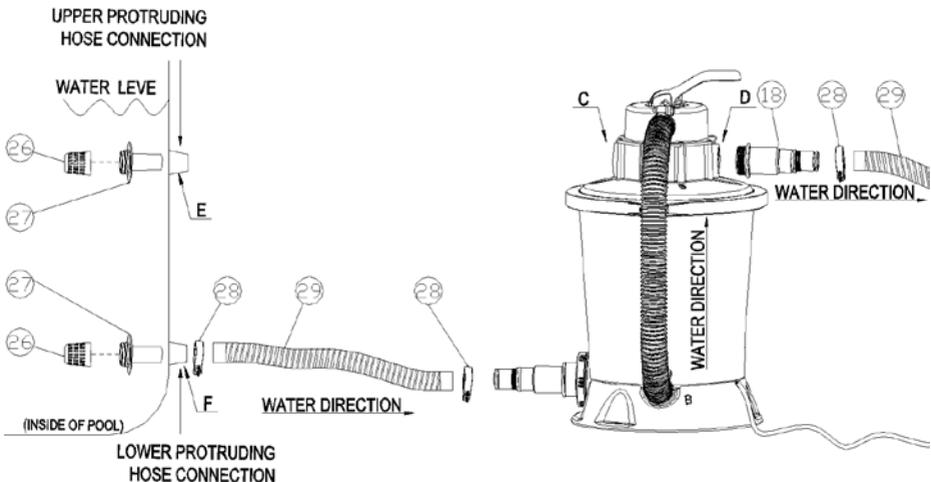
Position the 6-way valve on the rinsing position (2) then restart the filtration unit until the water at the drain outlet is clear.

### Step 3

Stop the filtration unit, reposition the 6-way valve to the closed position (5) then unscrew the drain connection pipe and reposition the drain plug (D) and tighten it, checking that the seal is positioned and in good condition.

### Step 4

Put the 6-way valve in the Filtration position (1) and reconnect the filtration unit.  
You can now enjoy your pool with a cleaned filter.



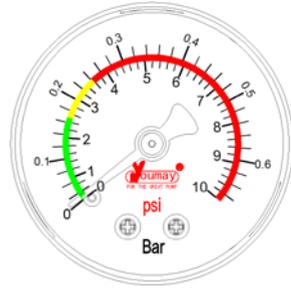
## Checking the operating values

Once the filtration unit has been started, check the value indicated on the pressure gauge. The needle should be in the green area, if this is the case the filtration unit is working properly.

If the gauge needle is in the Yellow zone, immediately clean the sand bed or change the sand. Use the backwash function as previously indicated.

If the needle is in the red zone of the pressure gauge, immediately stop the filtration unit and carry out its diagnosis.

Maintenance of the sand is important and must be carried out regularly, at the risk of causing damage to the product or even serious damage.



## Regular care and maintenance

**CAUTION: THE FILTER MUST BE EMPTIED AND CLEANED IN TIME. DIRT OR FILTER BLOCKAGE WILL REDUCE THE PERFORMANCE OF THE SAND FILTER PUMP OR EVEN DAMAGE IT.**

Make sure the filtration unit is not in operation.

Place the plugs supplied with your swimming pool in the inlets and outlets of your pool.

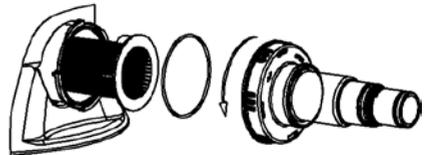
Position the 6-way valve in the Closed position (5)

Unscrew the 32/38 connection from the bottom of the filtration unit, remove the prefilter and its seal.

Rinse with clean water to remove any impurities present, you can also use a small plastic toothbrush type brush.

Clean the gasket, taking care not to damage it.

Reinstall the pre-filter and its gasket, then replace the 32/38 fitting.



## Long term storage or winter storage

Never use the filtration unit if the temperature is close to 0 ° C or if the water in the swimming pool or in the pipes is frozen. This will damage the filtration unit and void its warranty.

Before storing the filtration unit, be sure to drain the water present in the filter unit. To do this, the filter unit must be disconnected from the pool.

Unscrew the tank drain plug (12) making sure that the 6-way valve is in the filtration position.

Dry all hoses before storage to prevent mold.

Also dry all the joints and apply a lubricant to prevent them from cracking.

Return all parts of the product to its original packaging, avoid storing it in an airtight plastic bag to avoid corrosion problems.

Store the filter unit and its parts in a cool, dry place away from frost.

## Warranties

This product is guaranteed against material defects and provides workshop labor for a period of two (2) years.

The warranty period begins on the date of purchase of the product. The after-sales service may require an original proof of purchase to verify this date. During the warranty period, Poolstar will repair or replace at its expense any defective product. Replacement products or repaired parts will be warranted for the remaining period of the original warranty.

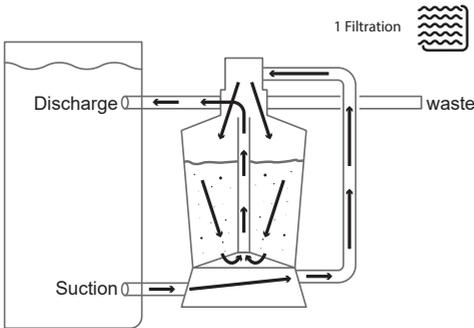
### Parts shipment policy

Sending parts to the repair center is the responsibility of the owner. During the warranty period, the return is the responsibility of the repair center.

### Warrant politivity

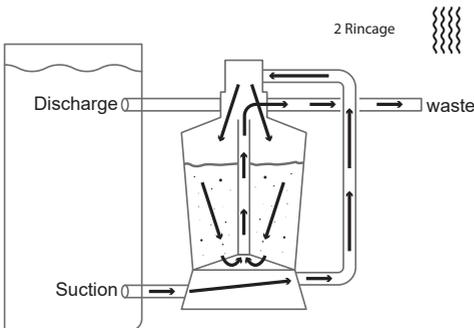
- This warranty will not be valid if a defect or failure is the result of negligence, an accident, an instruction not followed, an incorrect or inadequate maintenance, a connection with an inadequate power supply. But also, from chemical water damage, loss of pool water, unauthorized product modification or repair, commercial use, fire, storm, flood or any other extreme cause.
- This warranty is only valid in the country of purchase of the filter unit but also in countries where Poolstar sells the same model with the same technical specifications.
- Warranty service outside of the country of purchase is limited to the terms and conditions of the country where the product is used. When the cost of repair or replacement is not covered by this warranty, Poolstar will notify the owners and the cost will be borne by the owner.
- This warranty applies only to the original purchaser and ends when any transfer of ownership is made.
- All warranty repairs must be authorized by a Poolstar service center.
- The Poolstar after-sales service is solely responsible for all work and services given to your Poolstar product. Poolstar or its representatives cannot be held responsible for the results and cost of unauthorized repairs carried out by an unauthorized third party.

## Different operating modes



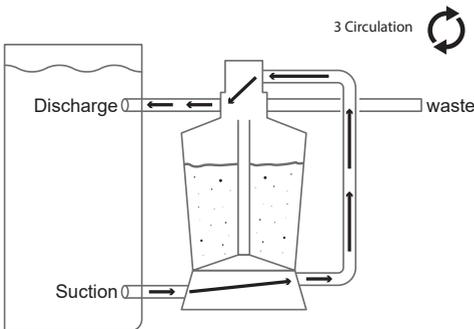
### Filtration (1):

This function is used to filter the pool water. The water is pumped from the pool and then passes through the sand filter to be returned to the pool.



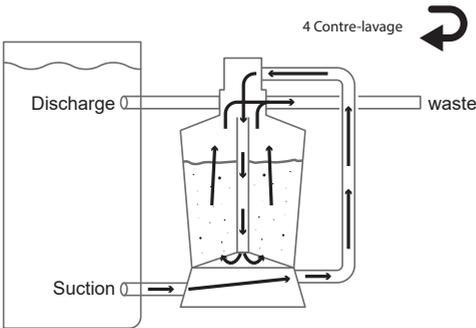
### Rinse Mode (2):

This function is used for initial start-up, cleaning and leveling of the sand layer after backwashing. The water is sucked through the layer of sand and then returned through the waste outlet (D).



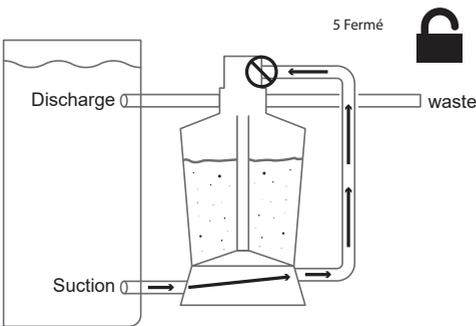
### Circulation Mode (3):

This function circulates the pool water without passing through the sand filter. You can use this function if the filter is broken or if the sand is no longer operational.



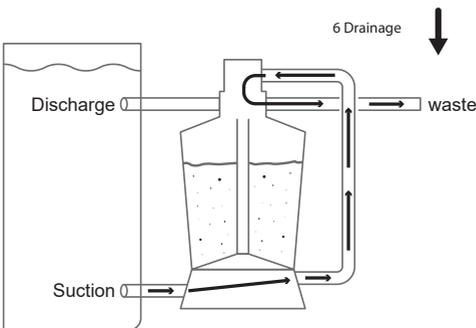
### Backwash Mode (4):

This function is used to clean the sand layer. The water is sucked through the central tube and then passes through the sand to then be returned through the waste outlet (D).



### Closed Mode (5):

This function stops the passage of water between the sand filter and the swimming pool.



### Waste Mode (6):

This function drains the water coming from the swimming pool to the waste outlet (D) without going through the sand filter.

## Diagnosis and breakdowns

Troubleshooting	Check	Resolve
Motor does not start normally	<ul style="list-style-type: none"> <li>- The plug is not properly connected</li> <li>- The differential circuit breaker is disarmed</li> <li>- The motor has overheated</li> </ul>	<ul style="list-style-type: none"> <li>- Make sure that the electrical outlet is properly connected</li> <li>- Reset the circuit breaker, if the problem persists, contact an electrician</li> <li>- Wait for the motor to cool then start again.</li> </ul>
Filtration does not clean the pool properly	<ul style="list-style-type: none"> <li>- Check for the presence of sand in the central tube</li> <li>- Check the correct position of the 6-way valve</li> <li>- There are too many impurities in the water</li> <li>- The pre-filter is full</li> </ul>	<ul style="list-style-type: none"> <li>- Dismantle and eliminate the sand present in the central tube</li> <li>- Position the 6-way valve is on the filtration position (1)</li> <li>- Increase the daily filtration time</li> <li>- Clean the pre-filter</li> </ul>
The discharge nozzle sends little or no water.	<ul style="list-style-type: none"> <li>- Elements are blocking the water inlet</li> <li>- Air enters through the water inlet</li> <li>- The sand or the filter foam contains too many impurities</li> </ul>	<ul style="list-style-type: none"> <li>- Check and clean the water inlets and outlets.</li> <li>- Tighten the clamps and check the pool water level</li> <li>- Backwash the filter or change the sand</li> </ul>
The filter unit does not work	<ul style="list-style-type: none"> <li>- The water level is too low</li> <li>- The pre-filter is clogged</li> <li>- Air enters through the water inlet pipe</li> <li>- The motor does not prime or cuts out</li> </ul>	<ul style="list-style-type: none"> <li>- Fill your pool to the correct level</li> <li>- Clean the pre-filter present in the basin</li> <li>- Tighten the clamp</li> <li>- Contact our after-sales service.</li> </ul>

<p>Water is flowing from the 6-way valve or the cover</p>	<ul style="list-style-type: none"> <li>- The cover seal is damaged or missing</li> <li>- The cover seal is too dirty</li> <li>- The cover clamp is not properly tightened</li> <li>- The control valve is damaged</li> </ul>	<ul style="list-style-type: none"> <li>- Remove the upper cover of the control valve and reposition a new gasket.</li> <li>- Clean the seal with clean water and close the cover</li> <li>- Tighten the clamping flange using a screwdriver</li> <li>- Contact our after-sales service.</li> </ul>
<p>Water flows from a corrugated pipe</p>	<ul style="list-style-type: none"> <li>- The clamp is not tight</li> <li>- The corrugated pipe is damaged</li> </ul>	<ul style="list-style-type: none"> <li>- Tighten the collar using a screwdriver</li> <li>- Replace the defective hose</li> </ul>
<p>The pressure gauge does not work</p>	<ul style="list-style-type: none"> <li>- The needle on the pressure gauge is blocked</li> <li>- The pressure gauge is damaged</li> </ul>	<ul style="list-style-type: none"> <li>- Unscrew the pressure gauge from the top cover and clean the impurities.</li> <li>- Replace the pressure gauge</li> </ul>
<p>There is sand in my pool</p>	<ul style="list-style-type: none"> <li>- Sand granulometry is too fine</li> <li>- The strainer is broken</li> </ul>	<p>Only use quartz sand No20.  Sand granulation must be between 0.45 and 0.85mm.  The general homogeneous coefficient must be lower than 1.75.  If not, replace the sand</p> <ul style="list-style-type: none"> <li>- Replace the strainer</li> </ul>

**After-Sales Service**

**Telephone: +33 (0)4 91 51 03 03**

**[http://support@poolstar.fr](mailto:support@poolstar.fr)**

*Made in*  **Poolstar**