

SunSun CTP-8003

SunSun CTP-8003 SuperECO Pond Pump User Manual

Model: CTP-8003 | Brand: SunSun

1. INTRODUCTION

Thank you for choosing the SunSun CTP-8003 SuperECO Pond Pump. This pump is designed for efficient and versatile use in garden ponds, functioning as both a filter pump and a fountain pump. Its energy-saving design and adjustable features ensure optimal water circulation and aeration for a healthy aquatic environment. Please read this manual thoroughly before installation and operation to ensure safe and correct usage.





Image 1.1: SunSun CTP-8003 SuperECO Pond Pump with fountain attachment.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage:

- Ensure the power supply matches the pump's specifications (voltage and frequency).
- Do not operate the pump if the power cable or plug is damaged.
- Never handle the pump or plug with wet hands.
- Disconnect the power supply before performing any maintenance, cleaning, or installation work.
- The pump is designed for use in water only. Do not run dry.
- Keep children and pets away from the pump and electrical connections.
- Ensure all electrical connections are protected from water.
- Do not use the pump for purposes other than those specified in this manual.

3. PRODUCT COMPONENTS

The SunSun CTP-8003 pump comes with various components for versatile installation and operation. Refer to the diagram below for an overview of the parts.

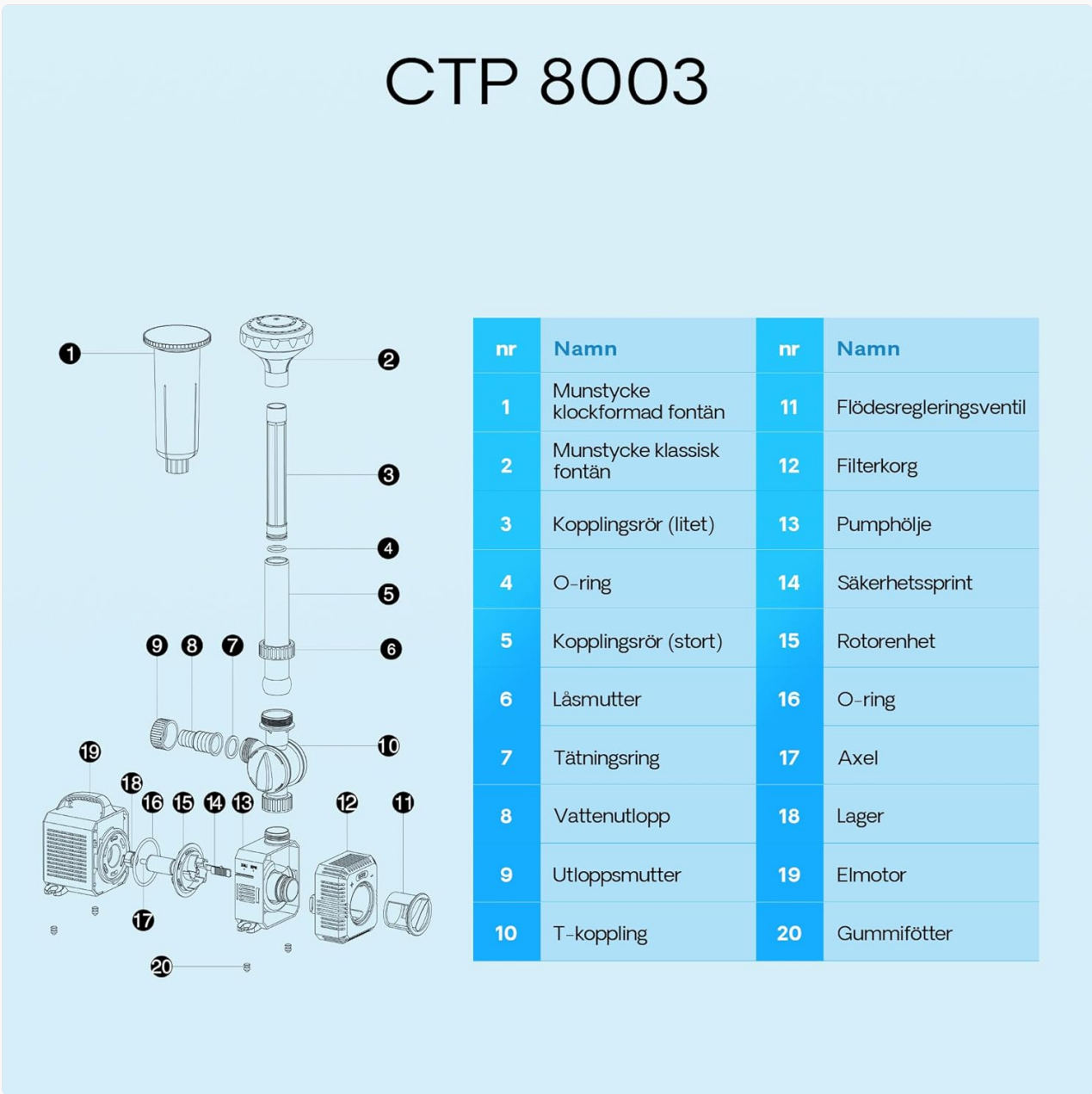


Image 3.1: Exploded view of CTP-8003 components.

Component List:

| No. | Name | No. | Name |
|-----|-------------------------|-----|-----------------------|
| 1 | Bell-shaped nozzle | 11 | Flow regulation valve |
| 2 | Classic fountain nozzle | 12 | Filter basket |
| 3 | Small connecting pipe | 13 | Pump housing |
| 4 | O-ring | 14 | Safety pin |

| No. | Name | No. | Name |
|-----|-----------------------|-----|----------------|
| 5 | Large connecting pipe | 15 | Rotor unit |
| 6 | Lock nut | 16 | O-ring |
| 7 | Sealing ring | 17 | Axle |
| 8 | Water outlet | 18 | Bearing |
| 9 | Outlet fitting | 19 | Electric motor |
| 10 | T-coupling | 20 | Rubber feet |

4. SETUP AND INSTALLATION

The CTP-8003 pump offers flexible installation options, either submerged in water or used externally. It also includes a telescopic tube and various fountain brackets for customization.

4.1 Installation Options

Två möjligheter för installation

Med avtagbart hölje för att passa båda funktioner



Image 4.1: Two possibilities for installation.

Produkstens dimensioner

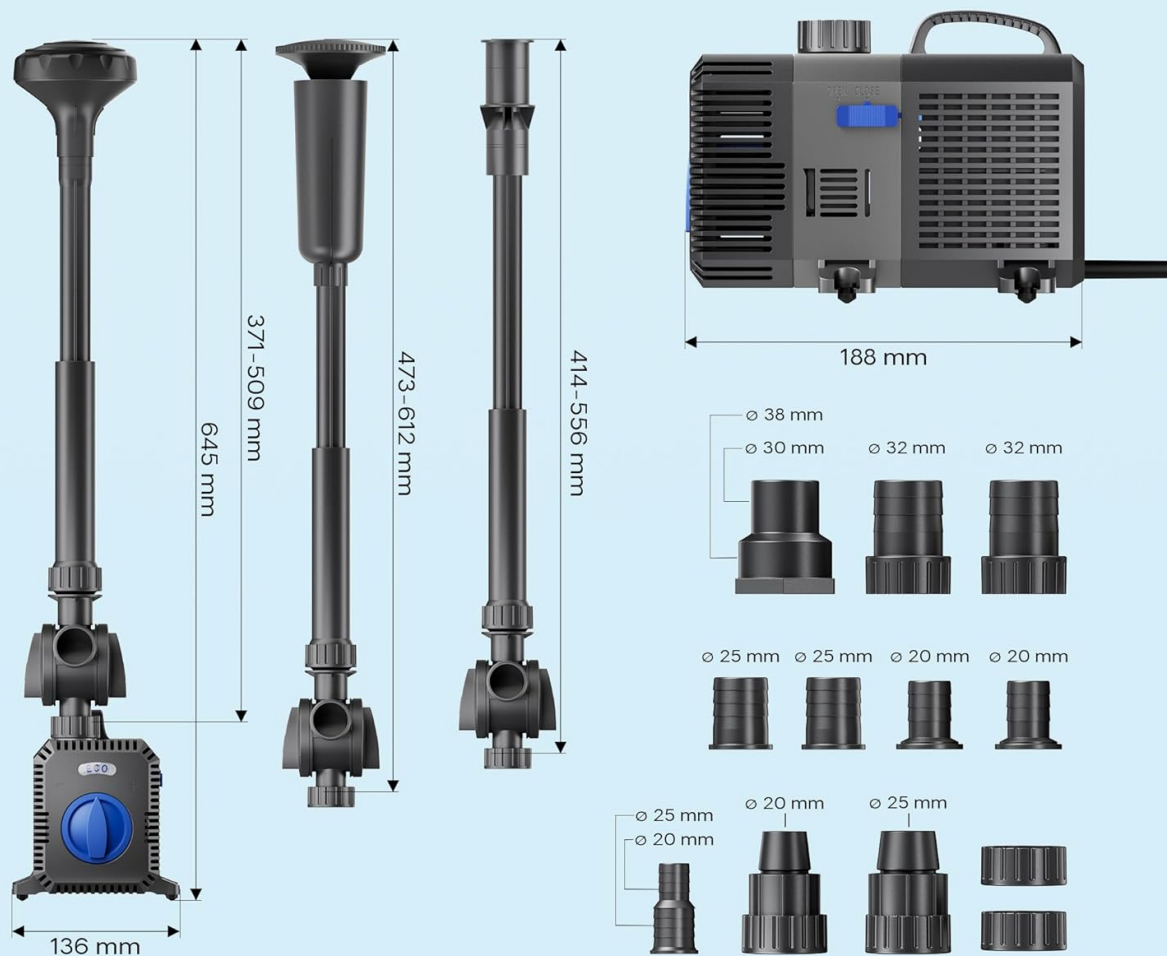


Image 4.2: Product dimensions and hose fittings.

4.1.1 Submerged Installation (In-water use)

1. Attach the desired fountain nozzle (bell-shaped or classic) to the telescopic tube.
2. Connect the telescopic tube assembly to the pump's outlet.
3. If using as a filter pump, connect the appropriate hose (25/33/38 mm) to the bypass outlet on the T-coupling and route it to your filter system.
4. Place the pump securely on the bottom of the pond, ensuring it is stable and fully submerged.
5. Ensure the power cable is routed safely and connected to a GFCI-protected outlet.

4.1.2 External Installation (Out-of-water use)

For external use, a skimmer is required to draw water into the pump.

1. Position the pump on a stable, level surface near the pond, ensuring it is protected from direct weather exposure.
2. Connect the inlet of the pump to a skimmer using appropriate hosing.
3. Connect the outlet of the pump to your filter system or fountain feature using appropriate hosing (25/33/38 mm).

4. Ensure all connections are secure and watertight.
5. Ensure the power cable is routed safely and connected to a GFCI-protected outlet.

5. OPERATION

The SunSun CTP-8003 pump is designed for continuous operation and offers adjustable flow control for both filter and fountain functions.

Två funktioner

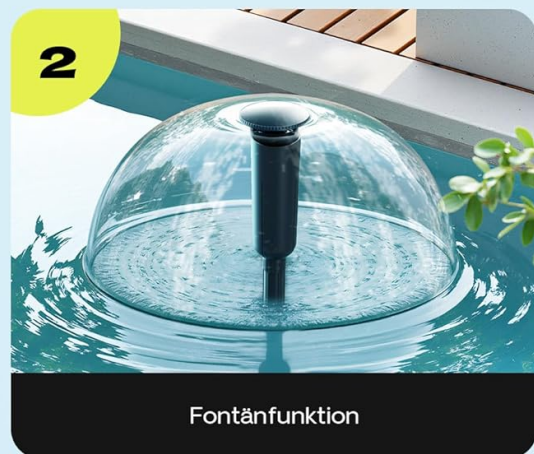
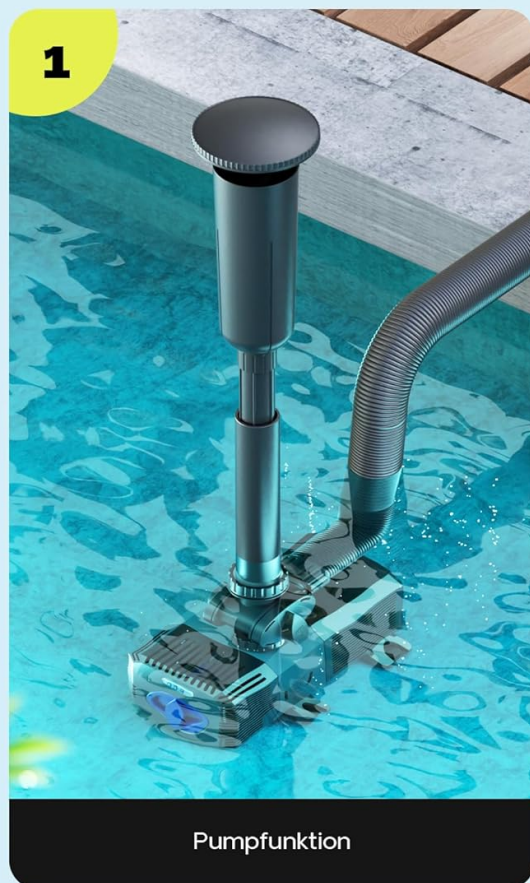


Image 5.1: Pump and fountain functions.

Justerbart flöde och effektiv drift

Låg energiförbrukning och hög flödeshastighet



Energieffektiv

Flödesreglerings- ventil

Anpassa flödet
till aktuella förhållanden



Image 5.2: Adjustable flow regulation valve.

5.1 Flow Regulation

The pump features a stepless flow regulation valve (Component 11) that allows you to adjust the water flow. This is particularly useful for:

- **Fountain Adjustment:** Control the height and pattern of your fountain by rotating the flow regulation valve.
- **Filter Optimization:** If using the bypass for a filter, you can optimize the water flow to the filter unit while still allowing excess water to flow to the fountain.

5.2 Starting the Pump

1. Ensure the pump is correctly installed and all connections are secure.
2. For submerged installation, ensure the pump is fully underwater.
3. Plug the power cord into a GFCI-protected electrical outlet. The pump will start automatically.
4. Adjust the flow rate as desired using the regulation valve.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your pump.

6.1 Cleaning the Pump

1. **Disconnect Power:** Always unplug the pump from the power source before any cleaning or maintenance.
2. **Remove from Water:** Carefully remove the pump from the pond or disconnect it from external plumbing.
3. **Disassemble:** Open the pump housing (Component 13) and remove the filter basket (Component 12) and rotor unit (Component 15).
4. **Clean Components:** Rinse all parts, including the impeller and housing, with clean water. Use a soft brush to remove any debris, algae, or mineral deposits. Ensure the axle (Component 17) and bearings (Component 18) are free of obstructions.
5. **Inspect:** Check O-rings (Components 4, 16) and seals for wear or damage. Replace if necessary.
6. **Reassemble:** Reassemble the pump in reverse order, ensuring all parts are correctly seated and secured.

6.2 Winter Storage

During freezing temperatures, remove the pump from the pond. Clean it thoroughly and store it in a frost-free location, fully submerged in water or in a bucket of water to keep seals moist.

7. TROUBLESHOOTING

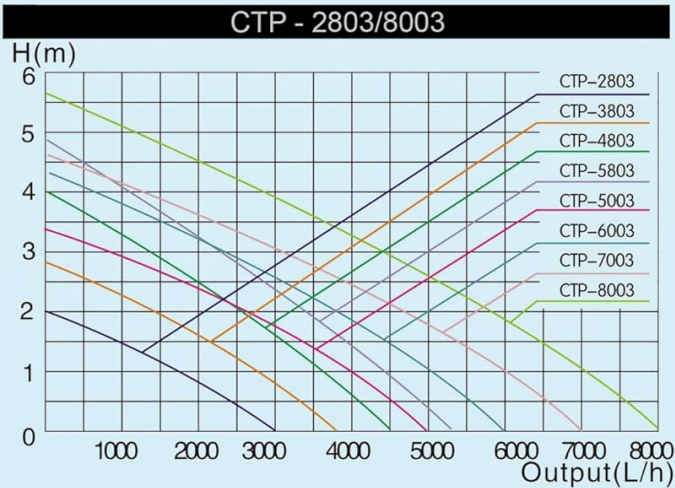
If your pump is not functioning correctly, refer to the following common issues and solutions:

| Problem | Possible Cause | Solution |
|---------------------|--|--|
| Pump does not start | No power supply Impeller jammed Damaged motor | Check power connection and GFCI outlet Clean impeller and housing Contact customer support |
| Reduced water flow | Clogged intake/outlet Impeller dirty Flow regulation valve closed Hose kinked | Clean intake and outlet Clean impeller Adjust flow regulation valve Straighten hose |
| Pump is noisy | Debris in impeller Pump not stable Worn bearings | Clean impeller Ensure pump is on a stable surface Contact customer support |
| Water leakage | Loose connections Damaged O-rings/seals | Tighten all connections Inspect and replace O-rings/seals |

8. SPECIFICATIONS

Technical data for the SunSun CTP-8003 SuperECO Pond Pump:

Produktdetaljer



Max. uppfordringsh jd

5.6 m

Fl deshastighet

8000 l/h

Effekt

70 W

Kapslingsklass

IPX8

Image 8.1: Performance details for CTP series pumps.

| Feature | Specification |
|----------------------|-------------------------------|
| Model | CTP-8003 |
| Power Consumption | 70 W |
| Maximum Flow Rate | 8000 L/h |
| Maximum Flow Height | 5.6 m |
| Hose Fittings | 25 / 33 / 38 mm (1 - 1½ inch) |
| Cable Length | 10 m |
| Protection Class | IPX8 |
| Dimensions (Product) | 29.01 x 24.99 x 19.99 cm |
| Weight | 3.46 kg |

| Feature | Specification |
|----------|---------------|
| Material | Plastic |
| Color | Black, Blue |

9. WARRANTY INFORMATION


This product is covered by a standard manufacturer's warranty against defects in materials and workmanship. The warranty period typically begins from the date of purchase. Please retain your proof of purchase for any warranty claims. For specific warranty terms and conditions, refer to the documentation provided with your purchase or contact the retailer.









10. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report a problem with your SunSun CTP-8003 pump, please contact your retailer or the manufacturer's customer service department. Provide your product model number (CTP-8003) and details of the issue for efficient support.

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Related Documents - CTP-8003

| | |
|--|---|
| <div><p>Operation Manual</p><p>Pond Pump CTP series</p><p>SUNSUN CTP</p></div> | <p>Sunsun Pond Pump CTP Series Operation Manual</p> <p>Comprehensive operation manual for the Sunsun Pond Pump CTP series, covering models 50199 through 50220. Includes safety instructions, installation guidance, maintenance tips, technical specifications, and disposal regulations.</p> |
| <div><p>Operation Manual</p><p>Adjustable SuperECO pond pump</p><p>CET Series, CET-15000</p><p>SUNSUN CET</p></div> | <p>SUNSUN Adjustable SuperECO Pond Pump CET-8000 & CET-15000 Operation Manual</p> <p>Official operation manual for the SUN ■■■■■ SUN Adjustable SuperECO pond pump models CET-8000 and CET-15000. Learn about features, installation, operation, and troubleshooting for efficient pond and aquarium water circulation.</p> |

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|---|---|
| <div><div>Operation Manual</div><div>Bio Pond Filter</div><div>CBF-350A, CBF-350B, CBF-350C</div><div>501107, 501108, 501114</div><div></div><div></div><div><small>Please read this safety instruction carefully before using the filter. SUNSHINE is not responsible for any damage or injury caused by the filter. SUNSHINE is not responsible for any damage or injury caused by the filter. SUNSHINE is not responsible for any damage or injury caused by the filter.</small></div></div> | <p>Sunsun Bio Pond Filter CBF-350 Series Operation Manual</p> <p>Comprehensive operation manual for Sunsun Bio Pond Filters CBF-350, CBF-350B, and CBF-350C (models 501107, 501108, 501114). Includes detailed technical specifications, safety guidelines, installation instructions, and maintenance procedures for optimal pond water quality.</p> |
| <div><div>Instrukcja obsługi</div><div>Controlling the skimmer</div><div>CPF 250, 300, 350, 5000</div><div></div><div></div><div><small>Please read this safety instruction carefully before using the skimmer. SUNSHINE is not responsible for any damage or injury caused by the skimmer. SUNSHINE is not responsible for any damage or injury caused by the skimmer. SUNSHINE is not responsible for any damage or injury caused by the skimmer.</small></div></div> | <p>SUNSUN Pressurized Pond Filter CPF Series - User Manual</p> <p>Comprehensive user manual for SUNSUN CPF series pressurized pond filters, covering installation, operation, technical specifications, maintenance, and safety instructions for maintaining a healthy pond ecosystem.</p> |
| <div><div>Operation Manual</div><div>Floating Pond Skimmer with Pump and Fountain</div><div>CSP-250</div><div></div><div></div><div><small>Please read this safety instruction carefully before using the skimmer. SUNSHINE is not responsible for any damage or injury caused by the skimmer. SUNSHINE is not responsible for any damage or injury caused by the skimmer. SUNSHINE is not responsible for any damage or injury caused by the skimmer.</small></div></div> | <p>SunSun CSP-250 Floating Pond Skimmer Operation Manual</p> <p>Comprehensive operation manual for the SunSun CSP-250 Floating Pond Skimmer with Pump and Fountain. Includes safety guidelines, technical data, installation instructions, maintenance, and disposal regulations.</p> |
| <div><div>User's manual</div><div>Controllable SuperECO Pond Pump</div><div>CET-26000, CET-30000, CET-35000</div><div>SuperECO</div><div></div><div></div><div><small>Please read this safety instruction carefully before using the pump. SUNSHINE is not responsible for any damage or injury caused by the pump. SUNSHINE is not responsible for any damage or injury caused by the pump. SUNSHINE is not responsible for any damage or injury caused by the pump.</small></div></div> | <p>Sunsun SuperECO Controllable Pond Pump User Manual (CET-26000, CET-30000, CET-35000)</p> <p>Comprehensive user manual for the Sunsun SuperECO series of controllable pond pumps (CET-26000, CET-30000, CET-35000), covering installation, safety, maintenance, troubleshooting, and technical specifications. Provided by WilTec Wildanger Technik GmbH.</p> |