

( STREAMLINE INSTRUCTION MANUAL

# STREAMFLO® MINI



**Contents** 

1 Responsibilites

3

Responsibilities	3
General Responsibilities	3
Personnel Responsibilities	3
Safety Regulations	4
Safety Precautions	4
Personnel Safety	5
About Your System	6
Technical Specifications	7
Assembling The System	8
Controller Settings	9
Operating Your Streamflo® Mini System	10
Charging The Battery	10
Troubleshooting	11
Controller Error Codes	11
Pump wont start	11
Service & Maintenance	12
Weekly Inspection	12
Personnel Responsibilities	12
Why Streamline®?	13
Warranty Information	14
	Responsibilities General Responsibilities Manufactures Responsibilities Personnel Responsibilities  Safety Regulations System Safety Safety Precautions Personnel Safety  About Your System  Technical Specifications  Assembling The System  Controller Settings  Operating Your Streamflo* Mini System  Charging The Battery  Troubleshooting Low Water Pressure Controller Error Codes Pump wont start  Service & Maintenance Weekly Inspection Disposal Of Machine Personnel Responsibilities  Why Streamline*?  Warranty Information

W: www.streamline.systems E: sales@streamline.systems T: +44 (0)1626 830 830

# Responsibilities

# **General Responsibilities**

These operating instructions allows you to use the Streamflo® Mini system safely and efficiently. The instructional booklet must be read before setting up, starting or using your Streamline® equipment. It is an integral part of the product itself.



Please read the warning and instructions contained in this booklet carefully. They provide important information on the safe use and maintenance of the equipment. Pay particular attention to general safety instructions.

Please keep this booklet in a safe place near your Streamflo® Mini system for future consultation.

Your Streamflo® Mini system is constructed according to current safety standard and regulations. The latest and current edition is illustrated in this manual.

The contents of this booklet should be bought to the attention of all users.

#### **Manufacturer Responsibilities**

Varitech Systems Ltd, the manufacturer of Streamflo\*, holds 12-months warranty on all machines and equipment from the date of purchased (see Warranty section 2)

Varitech Systems Ltd, the manufacturer of Streamline\*, is in no case responsible for failures or errors caused by modifications to the unit by customer or other persons.

# **Personnel Responsibilities**

The Streamflo® Mini equipment is designed and manufactured to be operated in industrial applications. It is important that the operator(s) of the Streamflo® Mini equipment have read through these operating instructions thoroughly, and understand all safety instructions and regulations.

The Streamflo® Mini system is not intended for use by children, adolescents, persons under the influence of alcohol / drugs or simply lacking experience and knowledge. These operating instructions are designed to educate the user, informing the operator how to carry out the task at hand successfully, whilst avoiding potential dangers that might occur.

#### Important

If needed, training videos can be found on the Streamline® website: www.streamline.systems

Saftey Regulations

# **Safety Regulations**

# **System Safety**

The Streamflo® Mini filtration trolley is manufactured with the safety of the operator in mind, including some key features such as result in serious personal injury.



#### **Over Pressure**

 If the water pressure in the Streamflo® Mini trolley system is above the standard 10bar pressure, the pressure relief valve opens on the pump allowing a greater flow through the waste water outlet, reducing the pressure in the system and through the pure water outlet.



#### **Over Heating**

 If the powerful booster pump overheats on the Streamflo® Mini filtration system, an activation switch is triggered and the system will automatically switch off.



#### **Electrical Hazards**

- As the Streamflo® Mini trolley system is powered by an electrical source, never use the equipment in the rain, snow or strong winds.
- Never use the filtration system to clean people and/or animals.
- Before each use, undertake a visual check on all electrical cables for damage. Never use the filtration system with a damaged cable.



#### Mechanical Hazards

 To avoid all mechanical hazards, place the Streamflo® Mini trolley system on an even surface only, and ensure sufficient stability.

### **Personal Safety**

Stay alert, watch what you are doing and use common sense when operating the Streamflo® Mini trolley system. Do not use the Streamflo® Mini system while you are tired or under the influence of alcohol, drugs or medication. A moment of inattention while operating the filtration trolley may result in serious personal injury.

#### Use personal protective equipment to avoid personal injury:





**Protective Gloves** 

Protective Footware

Additional protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection may be required depending on the safety regulations in the operator surroundings.

Additional protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection may be required depending on the safety regulations in the operator surroundings.

Use only original accessories that come with the Streamflo\* Mini trolley system, offering maximum quality and security. Failure to use original accessories absolves Varitech Systems Ltd, the manufacturer from all liability.



5

About Your System

4 Technical Specifications



# **Technical Specifications Specifications Data**

SF-TR12-000 (Streamflo* Mini)		
Country Of Origin	Great Britan	
Maximum Height	1005mm Extended 551mm Compresssed	
Maximum Length	141mm	
Maximum Width	243mm	
Dry Weight	6kg	
Wet Weight	18.5kg	
Inlet Pressure Requirement	N/A	
Inlet Water Flow Requirment	N/A	
Optimum Operating Pressure	6.9Bar / 100Psi	
Standard Water Inlet Connection (Male hose lock)	Container	
Waste Water Outlet Connection (Male hose lock)	N/A	
Pure Water Outlet Connection (Male hose lock)	Q21	
Electrical Power Supply	12v	
Minimum Operating Temperature	5°C	
Maximum Operating Temperature	40°C	
Optimum Water Quality	N/A	
Water Quality Range (MINI I/h - Maxi I/h)	n/a	
Water Flow (Optimum Output)	3.8lpm	
Operating Time	Up to 90mins	
Charging Time	180mins	

5 Assembling The System

6 Controller Settings

# **Assembling The System**

- 1. Ensure your unit is on a stable floor and dry location.
- 2. Remove the container lid and riser tube and fill container with pure water



3. Connect Outlet pipe to accessory (Window Cleaning telecopic pole/Lance)



# **Controller Settings**

# **Turning On Your Controller**

 When in position, press the power button on the flow controller and hold for 2 seconds



 Now you can adjust the speed of the water flow through the 100psi multi-speed pump by pressing and holding the button on the flow controller untill you reach the desired setting



 To check voltage of battery, press the controller button twice, voltage of battery will display. It is recommend any battery lower than 10.5v requires charging.



9

4. To switch off the controller, press the power button and hold for 2 seconds

Operating Your Streamflo® Mini System

**Troubleshooting** 

# Operating Your Streamflo® Mini System

- 1. Fill the tank system with Pure Water
- 2. Switch on controller to desired flow (See page 9 section 2)
- 3. Switch on controller, allow this to run for 2-3 mins to bleed any air our of the system
- 4. Apply pure water to area and clean

**6** Charging The Battery

# **Charging The Battery**

- 1. Plug the charger into mains electrical socket
- 2. Locate the charging port on the trolley unit



- 3. Red and green light on the charger will indicate battery charging completion
- 4. Always store batteries fully charged

# **Troubleshooting**

### Low water pressure or poor water production

- 1. Check water supply in is good and consistant
- 2. Air has not bled from system.
- Controller calibration set to low.

#### **Controller Error Codes**



(Pressure Switch Activated)



(Dead end detected



B (Battery Voltage / low charge)

- . Check for blockages in set up
- 2. Raise calibration on the controller
- Controller calibration set to low



# Pump will not start

- Check Battery Voltage, controller flashing B constantly, charge battery.
- Check controller is functiong.
- Check battery connection secure.

**Service & Maintenance** 

Why Streamline®?

# **Service & Maintenance**

Care and maintenance of your Streamflo® Mini System will ensure it is well looked after and running smoothly every time.

It is recommended to run a weekly examination on the Streamflo Mini system to ensure the components and connections are adequate and effective for producing constant water flow.

Rinse the full trolley set up after every use. To do this, insert sution tube into clean water and rinse line with approx 5ltrs of clean water.

Routine maintenance once a year, will add to the life of your Streamflo® Mini system and we recommend charger, pump and battery are inspected and replaced accordingly to ensure proper rinse clean.

All parts are available from Streamline® for this service.

If water is spilled onto the device, wipe it clean with a dry, lint free, non-abrasive cloth to prolong life.

# **Weekly Inspection**

- Check Streamflo® Mini System is kept clean and chemical free.
- 2. Check the battery is holding charge.
- Check all connections are leak free.

# Disposal of components and machine

The Streamflo® Mini System is classified as special waste. It must be taken apart and divided into uniform sections which should be disposed of according to current legislation.

Do not use the components removed as spare parts.

# Why Streamline®?

# **Flexibility**

- Streamline® systems can be built according to customers' exact requirements
- For non-standard systems, the user's needs or specifications are listened to and turned into reality.

# Quality

- Whilst price is important, quality is remembered long after price is forgotten
- We insist on sourcing brand name products from around the world, only of a reputable quality, and bring them together under the Streamline® name
- All Streamline® products carry a full one year's warranty, according to the manufacturers' standard terms and conditions of sale.

# **Service**

- We have an in-house technical helpline able to answer most of your questions relating to the capabilities and functionalities of all Streamline® products
- If we get it wrong, we will put it right. If you are sent a wrong item, we will immediately attend
  to sending you the correct item and arrange a collection of the wrong item without
  any quibbles
- Streamline® is backed by a comprehensive range with massive stocks providing you with a
   'one stop shop' for all your requirements.





13

**Warranty Information** 

**Notes** 

# **Warranty Information**

# Streamline® Warranty

The warranty on all Machines and Equipment is for 1 year (12-months) from RECORDED DATE OF PURCHASE.

THIS WARRANTY EXCLUDES NORMAL MAINTENANCE ITEMS, including but not limited to HOSES, FILTERS, O-RINGS, DIAPHRAGMS, VALVES, GASKETS, CARBON BRUSHES and damage to motors and other components as a result of failure to replace normal maintenance items. THIS LIST IS NOT EXHAUSTIVE.

If Streamline® receives notice of such defects during the warranty period, Streamline® will either, at its opinion, repair or replace components which prove to be defective.

Replacement parts will only be supplied under warranty, upon the inspection and approval of the defective parts by Streamline®

Should it be necessary to supply replacement parts before the opportunity to inspect, these will be charged at current prices and credit will only be issued upon subsequent inspection and warranty approval by Streamline®

The customer is responsible for the cost of return of the defective part. If warranty is approved, Streamline® will pay for the cost of the repaired or replacement part.

This warranty excludes the following conditions and circumstances which are at the discretion of Streamline®

Wear and tear, misuse, abuse improper maintenance, frost damage, the use of chemicals other than those supplied or approved by Streamline®, improper installation or repair, unauthorised modification, incidental or consequential costs, loss or damage, service, labour or third party charges, the cost of returning defective parts to Streamline®.

This warranty constitutes the exclusive remedy of any purchaser of a Streamline® unit and is in lieu of all other warranties, express or implied, including without limitation any implied warranty of merchantability or fitness for use, to the fullest extent permitted by law. In no event shall any implied warranty of merchantability or fitness for use exceed the term of the applicable warranty stated above and Streamline® shall have no other obligation or liability.

#### **Important**

Unfortunately these rights cannot be transferred to a third party.

······································
······································
•••••••••••••••••••••••••••••••••••••••

15



Instruction Manual