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> Green Expert 1 Inch ID Inlet Hose Assembly 25-foot Long with Brass Fitting for Well Pump Water Intake Easy to Install Pipe Kit Quickly Sucking from Garden Pond Canal Reservoir Booster Pump Accessory

G green EXPERT 25-Foot

Green Expert 1 Inch ID Inlet Hose Assembly User Manual

Model: 25-Foot

PRODUCT OVERVIEW

The Green Expert 1 Inch ID Inlet Hose Assembly is designed for efficient water intake from various sources such as garden ponds, lakes, pools, reservoirs, cisterns, and canals, specifically for use with shallow well pumps and booster pump systems. This 25-foot long hose features a robust construction for durability and reliable performance.



Figure 1: The Green Expert 1 Inch ID Inlet Hose Assembly, showing its transparent hose and brass fittings, ready for use.

Key Features:

- **Complete Assembly:** Includes a 1-inch NPT threaded adapter, brass end valve with filter, and two clamps for secure connections.
- **Durable Construction:** Reinforced with steel wire, the PVC hose can withstand a maximum bursting pressure of 300 PSI (20 Bar).
- **Leak-Free Design:** Equipped with two clamps for extra tightening, ensuring a secure and leak-free connection to water pumps.
- **Integrated End Valve:** The brass end valve includes a filter to prevent debris from entering the pump and features a backflow prevention mechanism, allowing for quick restarts without re-priming.
- **Optimized Flow:** Made from pure PVC and brass, ensuring clean water transfer and maintaining full suction force with its 1-inch inner diameter.

SETUP AND INSTALLATION

This inlet hose assembly is designed for straightforward installation. Ensure all components are present and

undamaged before proceeding.

Components Included:

- 25-foot Inlet Hose (1-inch ID)
- 1-inch NPT Adapter (pre-installed)
- Brass End Valve with Filter (pre-installed)
- 2 Clamps (pre-installed)

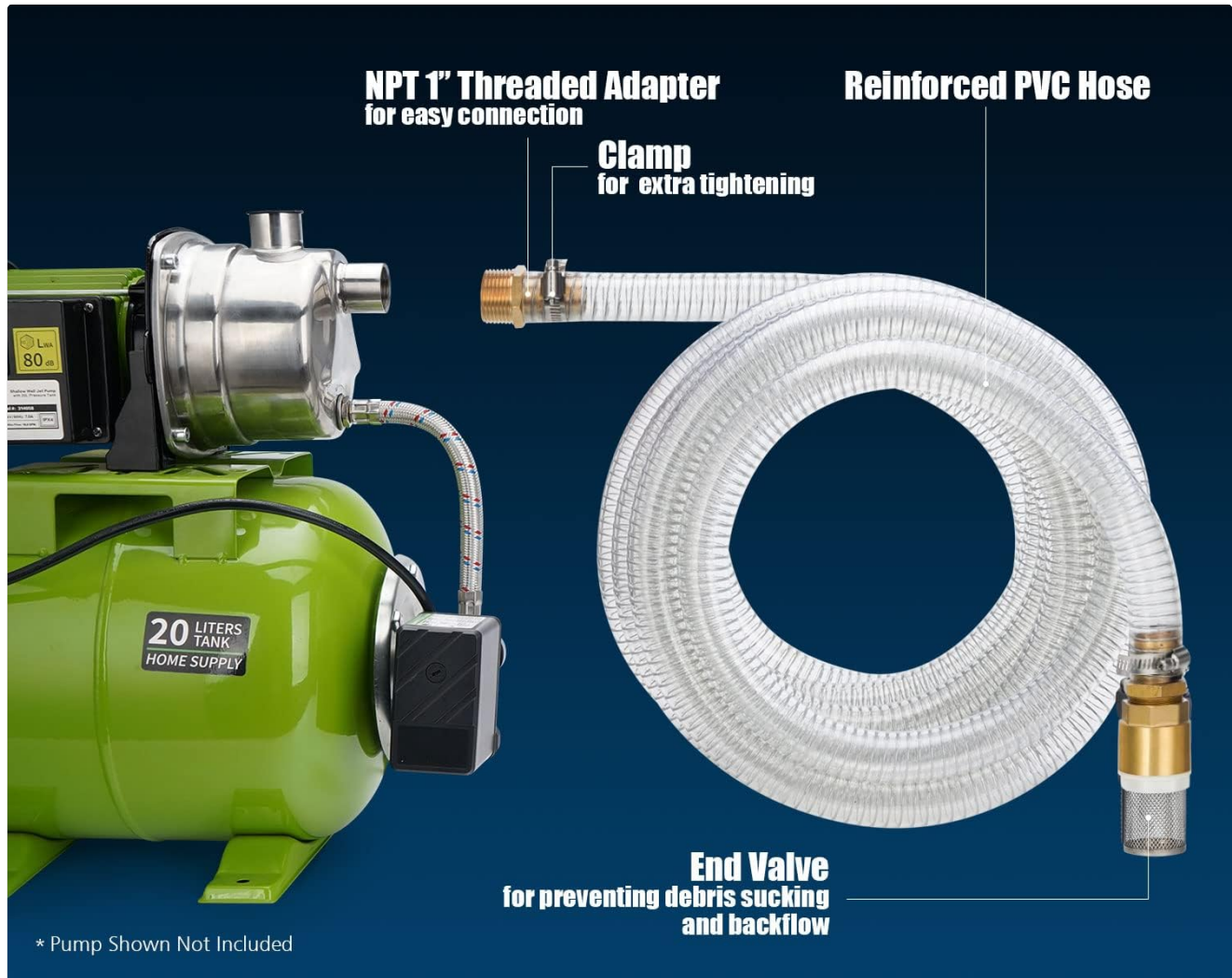


Figure 2: Detailed view of the hose components, including the NPT adapter, clamps, reinforced PVC hose, and the end valve.

Installation Steps:

1. **Prepare the Pump:** Ensure your shallow well pump or booster pump is powered off and disconnected from any power source.
2. **Connect to Pump:** The hose comes with a pre-installed 1-inch NPT adapter. Thread this adapter securely onto the inlet port of your water pump. Hand-tighten first, then use a wrench for a snug fit, but do not overtighten to avoid damaging threads.
3. **Secure Clamps:** The two clamps are pre-installed on the hose connections. After connecting the NPT adapter to the pump, ensure these clamps are tightened firmly to prevent any air or water leakage. Use a screwdriver to tighten the clamp screws.
4. **Position End Valve:** Place the brass end valve, which includes a filter, into the water source (e.g., pond, reservoir). Ensure the valve is fully submerged and positioned to avoid drawing in excessive sediment or debris.
5. **Check Connections:** Before operating, visually inspect all connections for tightness and ensure the hose is

not kinked or obstructed.



Figure 3: Proper connection of the inlet hose to a water pump. Ensure all connections are secure.

OPERATING INSTRUCTIONS

Once the hose assembly is correctly installed, you can begin operating your water pump system.

Initial Operation:

1. **Submerge End Valve:** Ensure the brass end valve is fully submerged in the water source. The integrated filter will prevent large debris from entering the hose.
2. **Priming (if necessary):** Due to the integrated end valve with backflow prevention, the hose is designed to retain water, minimizing the need for re-priming. However, if the hose is completely dry or air is suspected, follow your pump's specific priming instructions. The transparent hose allows visual inspection of water flow during priming.
3. **Activate Pump:** Turn on your water pump according to its manufacturer's instructions. The hose's 1-inch inner diameter is designed to maintain optimal suction force and water flow.
4. **Monitor Performance:** Observe the water flow and pump operation. Listen for unusual noises or signs of air intake, which may indicate a loose connection or an issue with the water source level.

Full In One!

Whole Set of Suction Hose Coupled with suction hose, check valve, adapters, clamps

Hose Specification:
Length: 25FT
Pipe Thread: 1" NPT
Id: 1"
OD: 1-1/4"
Wall thickness: 1/8"

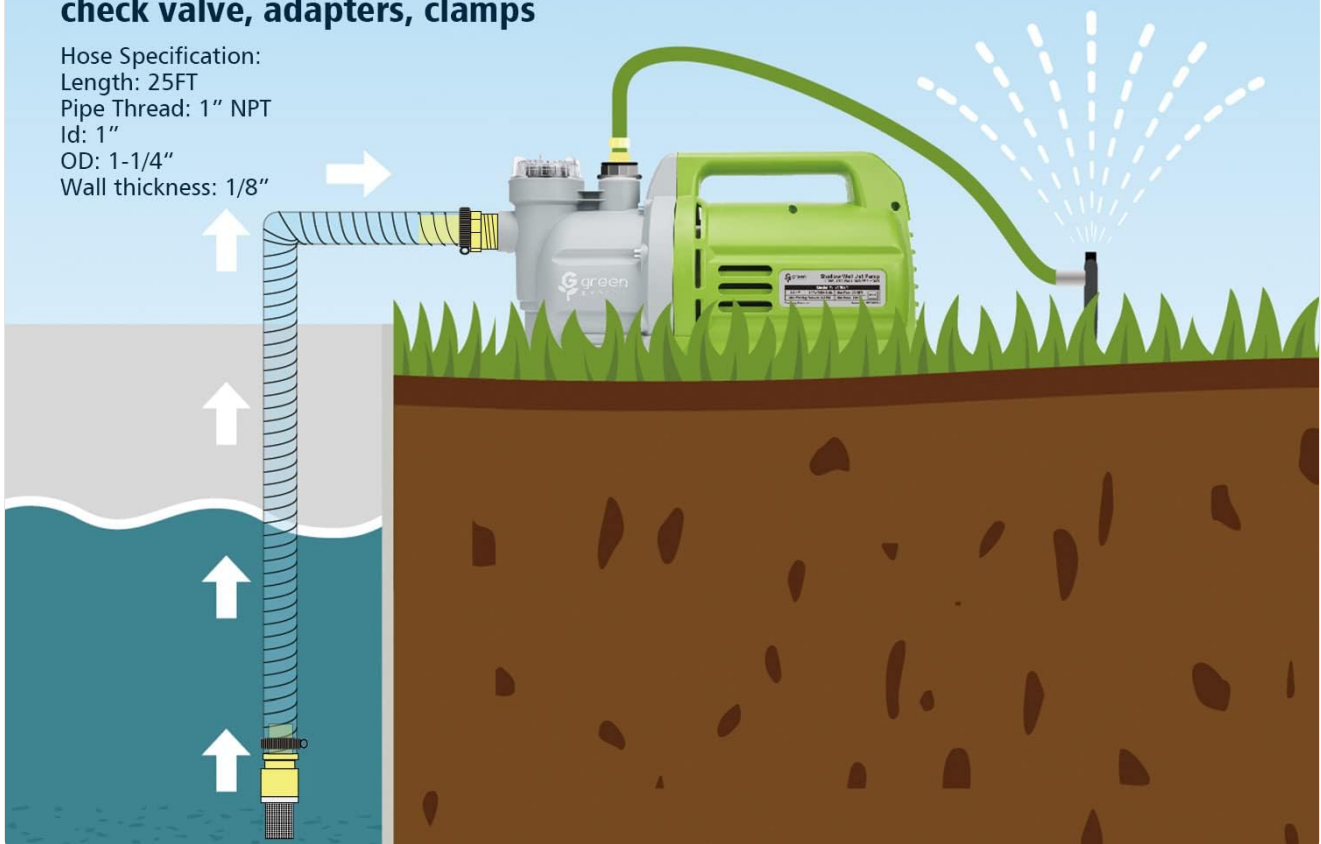


Figure 4: Illustrative diagram of the hose assembly in operation, drawing water from a source to a pump.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Green Expert Inlet Hose Assembly.

- **Inspect Connections:** Periodically check the hose connections to the pump and the end valve for any signs of wear, cracks, or looseness. Tighten clamps as needed.
- **Clean End Valve Filter:** The brass end valve includes a filter to prevent debris. Regularly inspect and clean this filter to ensure unrestricted water flow and prevent pump damage. Remove any accumulated debris.
- **Hose Inspection:** Examine the entire length of the PVC hose for kinks, punctures, or excessive abrasion. While the hose is reinforced, sharp objects or prolonged friction can cause damage.
- **Storage:** When not in use, especially during freezing temperatures, drain all water from the hose and store it in a dry, protected area. Coiling the hose neatly can prevent kinks and extend its life.
- **Material Integrity:** The hose is made from pure PVC and brass fittings, designed for corrosion resistance. However, avoid exposing the hose to harsh chemicals that may degrade the material.

TROUBLESHOOTING

This section addresses common issues you might encounter with your inlet hose assembly.

Problem	Possible Cause	Solution
No water flow or low suction.	<ul style="list-style-type: none">◦ Air leak at connections.◦ Clogged end valve filter.◦ Hose kinked or obstructed.◦ Water source too low.◦ Pump not primed.	<ul style="list-style-type: none">◦ Tighten all clamps and connections.◦ Clean the end valve filter.◦ Straighten the hose; check for internal obstructions.◦ Ensure end valve is fully submerged.◦ Re-prime the pump according to its manual.
Hose detaches from fitting.	<ul style="list-style-type: none">◦ Clamps not tightened sufficiently.◦ Excessive pressure.	<ul style="list-style-type: none">◦ Re-attach hose and tighten clamps firmly.◦ Ensure pump pressure does not exceed hose limits (300 PSI bursting pressure).
Water appears dirty.	<ul style="list-style-type: none">◦ End valve filter is dirty or damaged.◦ End valve not positioned correctly in water source.	<ul style="list-style-type: none">◦ Clean or replace the end valve filter.◦ Reposition the end valve to avoid drawing sediment from the bottom.

SPECIFICATIONS

Brand	G green EXPERT
Model (Style)	25-Foot
Material	PVC, Alloy Steel, Brass, Metal
Hose Inner Diameter (ID)	1 Inch
Hose Length	25 Feet (approx. 300 inches)
Maximum Bursting Pressure	300 PSI (20 Bar)
Temperature Rating	5 to 170°F (-15 to 76°C)
Included Components	1-inch NPT Adapter, 2 Clamps, Brass End Valve with Filter
Item Weight	6.54 pounds

High Impact PVC Intake Hose

Max. Bursting Pressure: 300PSI (20Bar)



**Steel Reinforced
Thickened PVC Tube**



Weather
proof



UV
resistance



Corrosion
resistance



No
smell



Transparent

Figure 5: Illustration of the hose's robust PVC construction and its beneficial properties.

WARRANTY AND SUPPORT

Specific warranty details for the Green Expert 1 Inch ID Inlet Hose Assembly are not provided in the product information. For warranty claims or technical support, please contact the manufacturer, Tornado Tools, or the seller directly through your purchase platform.

Manufacturer: Tornado Tools

For further assistance, refer to the contact information provided with your purchase or visit the official Green Expert brand store on Amazon: [Green Expert Store](#).

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This manual is for informational purposes only. Always follow local regulations and safety guidelines when operating water pumps and related equipment.