

VF6s Manual

VaporFlame

Designed & Built

20



13

Orlando

Need Help?



1. Add air. 2. Add water. 3. Add light

4. Make fire...

www.vaporflame.net



VF6s User Manual

VaporFlame® Manual Flame Effect Unit

1. Getting Started

What's Included

- 1 × VF6s VaporFlame Effect Unit
 - 1 × VF6s User Manual
 - 1 × VaporFlame Hose Adapter
-

Unpacking and Inspection

Carefully remove the VF6s from its packaging and confirm that all components listed above are present.

Inspect the unit for any damage that may have occurred during shipping. Although VaporFlame fixtures are designed for durability, damage can occur during transport.

Retain all original packaging materials. If the unit must be returned for service, it should be shipped in the original packaging to prevent damage.

How the VF6s Works

The VF6s is a **manual VaporFlame effect unit** that produces a realistic flame simulation using only **air and water**.

Unlike the VF6c, the VF6s requires **no electrical power or DMX control**. The effect is activated using a **manual pneumatic valve** located on the side of the unit.

- Turning the valve **ON** allows air and water to flow to the nozzle, producing the vapor plume.
- Turning the valve **OFF** stops both air and water flow, stopping the effect.



The VF6s is designed for applications where a **simple, mechanical flame effect** is desired.

Contact & Support

For technical support or service inquiries, visit:
www.vaporflame.net

Disclaimer

Specifications and information contained in this manual are subject to change without notice. VaporFlame Inc. assumes no responsibility for errors or omissions in this document. The latest version of this manual is available at www.vaporflame.net.

2. Safety Instructions

Retain this manual for future reference. If transferring ownership of this unit, include this manual with the product.

Water Safety

- Use clean, potable water only.
- Do not introduce any liquids other than water into the unit.
- Do not allow water to enter the air line.
- Do not allow water to remain in the unit during storage.
- Always bleed remaining water from the unit before storage.

To reduce odors or biological growth, it is recommended to add:
1-2 oz white vinegar per 5 gallons of water.

Installation Safety

- Install the unit in a location with adequate ventilation.



- Do not place objects directly in the main plume near the nozzle tip where atomization has not yet occurred.
- Always secure the unit and lighting fixture with independent safety cables when rigged overhead.
- Never carry the unit by the nozzle assembly.

Environmental Limits

Operating temperature range:
20°F to 104°F (-6°C to 40°C)

Do not allow water to remain in the unit below 40°F (4°C). Protect the unit from freezing.

Service

There are no user-serviceable parts inside the unit.

Do not disassemble the unit.

If service is required, contact VaporFlame Inc.

3. Meet the VF6s

Main Features

- Up to 6-foot flame-like vapor effect
- Manual pneumatic valve operation
- No electrical power required
- No DMX control required
- Safe flame simulation (no heat, no sparks, no fuel)

Product Description

The VF6s is a mechanically controlled VaporFlame unit designed to attach to a compatible LED lighting fixture.



When illuminated by the lighting fixture, the atomized vapor plume creates a realistic flame effect using **only air and water**. The VF6s operates entirely through a **manual pneumatic valve**, allowing the user to start or stop the effect without electrical control systems.

Effect Activation

The manual valve controls both the air and water supply to the nozzle.

- **Valve ON:** Air and water flow → Vapor plume produced
- **Valve OFF:** Air and water stopped → Effect stops

4. Setup

Mounting – Yoke Mount

1. Attach the “C” Series Adapter with the shorter end against the nozzle head.
2. Remove the “T” handle from the LED fixture yoke.
3. Place the VaporFlame adapter between the yoke and body of the lighting fixture.
4. Reinstall and tighten the “T” handle securely.

Mounting – Face Mount

1. Attach the “C” Series Adapter with the longer end against the nozzle head.
2. Secure the adapter to the face of the lighting fixture using appropriate hardware.

Connect the Air and Water

Air connections use a standard I/M Style industrial air connector.



Water connections use a standard AG 5675 agricultural connector.

⚠ Air and water connections must **not be reversed**, as this may cause damage to the unit.

Air Supply Requirements

Recommended pressure:

60 PSI

Operating range:

50–90 PSI

Maximum pressure:

125 PSI (Do not exceed)

Air consumption:

1.25 CFM

Use clean, dry air. Install an air dryer if operating in high humidity environments.

If air pressure is too low, nozzle will not function - water will not flow through nozzle.

Water Supply Requirements

Water type:

Clean, potable water only

Minimum supply rate:

3.3 GPM

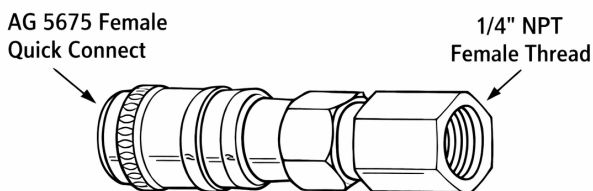
Water consumption:

0.25 gallons per hour

Prime the water hose prior to connection to remove trapped air.

Water Supply Connection

The supplied quick disconnect fitting allows you to connect the VF6s to an external water source.



The fitting includes an **AG 5675 female quick connect** on one end and a **1/4" NPT female thread** on the other. To complete the connection, you will need a **1/4" NPT male adapter** appropriate for your specific water supply.

Connection Steps

1. Attach the supplied AG 5675 female quick connect fitting to a compatible 1/4" NPT male adapter suited to your water supply.
2. Apply pipe thread tape (PTFE/Teflon tape) to all threaded connections to ensure a tight, leak-free seal.
3. Connect the adapter assembly to your water supply line.
4. Ensure the water source is clean and free of debris to prevent clogging or damage to the system.
5. Verify that the water supply provides a minimum flow rate of **3.3 GPM**. Standard building water pressure is typically sufficient.

⚠ Caution

- Do not connect to a water source containing debris, sediment, or contaminants. Particulate matter may damage internal components or reduce system performance.
- Do not exceed typical building water pressure. Excessive pressure may result in leaks or damage to fittings and internal plumbing.
- Ensure all threaded connections are properly sealed and tightened before pressurizing the system.



- Always verify adequate water flow (**minimum 3.3 GPM**) prior to operation to prevent improper performance or potential damage.

Operating the VF6s

1. Connect air and water supplies.
2. Ensure the lighting fixture is powered and properly focused.
3. Turn the **manual valve ON** to activate the effect.
4. Turn the **manual valve OFF** to stop the effect.

Storing the Unit

Before storing the unit:

1. Drain all remaining water from the system.
2. Briefly connect the air supply to the water inlet to clear internal lines.
3. Reconnect the air line correctly.
4. Run the unit with air only until all remaining water is cleared from the nozzle.

Proper storage helps prevent odor or biological growth in the internal water tubing.

5. Warranty

VaporFlame Inc. provides a limited **2-year warranty** covering parts and labor under normal operating conditions.

Customers are responsible for shipping the unit to VaporFlame for inspection.

If the issue is covered under warranty, VaporFlame will repair the unit and cover return shipping.

Lighting fixtures are covered under the respective manufacturer's warranty and are not covered by VaporFlame.