



# FLARE FIREPLACES

NG – LP Conversion (SIT) *Version 1.1*

*Frameless Is More – Electric Motor done by Flare*

CAUTION: READ & UNDERSTAND THIS SERVICE BULLETIN THOROUGHLY BEFORE BEGINNING. ONLY A TRAINED, EXPERIENCED SERVICE TECHNICIAN SHOULD ATTEMPT THIS SERVICE PROCEDURE

**CSA APPROVED**

**SAFETY & QUALITY FIRST**

**SERVICE TECHNICIAN USE  
ONLY**

**CONTACT FLARE  
FIREPLACES FOR  
SUPPORT**

**FLARE FIREPLACES**

**890 N DOROTHY DR**

**SUITE 900**

**RICHARDSON, TX 75081**

# WARNING

Please consult specific unit Spec Sheet listed on products page of Flare Fireplaces website to confirm proper orifice sizing prior to conversion or replacing orifice.

## Preparing NG – LG Conversion for the SIT gas valve system

Flare Fireplaces can easily be converted from Natural Gas (NG) to Liquid Propane (LP). When placing your Flare purchase order please include the gas type so we can convert in the factory. If gas specification is not referenced a conversion may need to be done in the field by a trained service technician.

**PLEASE NOTE: Only an authorized/licensed gas technician, plumber, or Flare technician can convert a unit from NG – LP. A gas conversion done by an unauthorized installer will void the service warranty for your fireplace. Please contact Flare Fireplaces for more details on your unit valve pressure settings.**

1. Verify your fireplace & gas is turned off before beginning any service on your Flare. Removing power is strongly recommended.
2. Confirm the correct Spec Sheet based on fireplace size has been acquired for the conversion. Note the example below which highlights the relevant information for your conversion.

**CONFIRM CONVERSION INFORMATION BY READING SPEC SHEET FOR YOUR SPECIFIC FIREPLACE:**

SIT											
MODELS	GAS	INLET PRESSURES		MANIFOLD PRESSURES	BTU OUTPUT	ORIFICE SIZE			BURNER SIZE		
		MIN.	MAX.			Burner 1	Burner 2	Burner 3	Burner 1	Burner 2	Burner 3
FF-45	(NG)	7.0" WC	8.0" WC	3.6" WC	36,000	1100			31 12/16"		
FF-45	(LP)	10.0" WC	11.0" WC	9.6" WC	28,000	320					

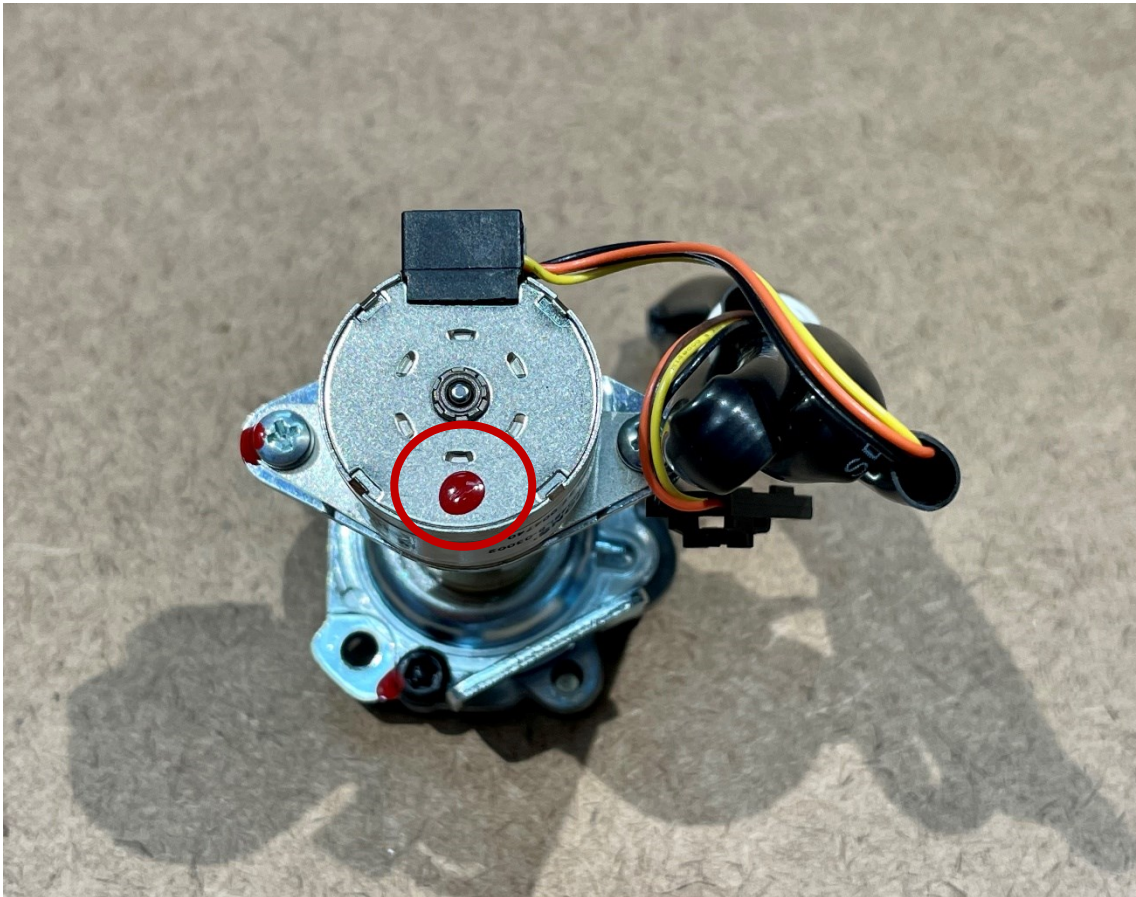
**PLEASE NOTE: Units 60" & larger are equipped with 3 burners. All 3 burner orifices will need to be changed as well as the single Pilot orifice for a complete conversion. Make sure you have the correct orifices for every burner before beginning operation of your Flare Fireplaces**

## *Converting SIT Motor from NG – LP*

[FOR VIDEO REFERENCE OF THIS PROCESS PLEASE CLICK HERE](#)

1. Confirm the SIT electric motor is set for LP by locating the red marking shown in the picture below. If the electric motor does not have the red marking and it has not been replaced to support LP. Contact your Flare Fireplaces support.

**THE ELECTRIC MOTOR IS SWAPPED BY FLARE FIREPLACES PRIOR TO SHIPPING YOUR FIREPLACE.**



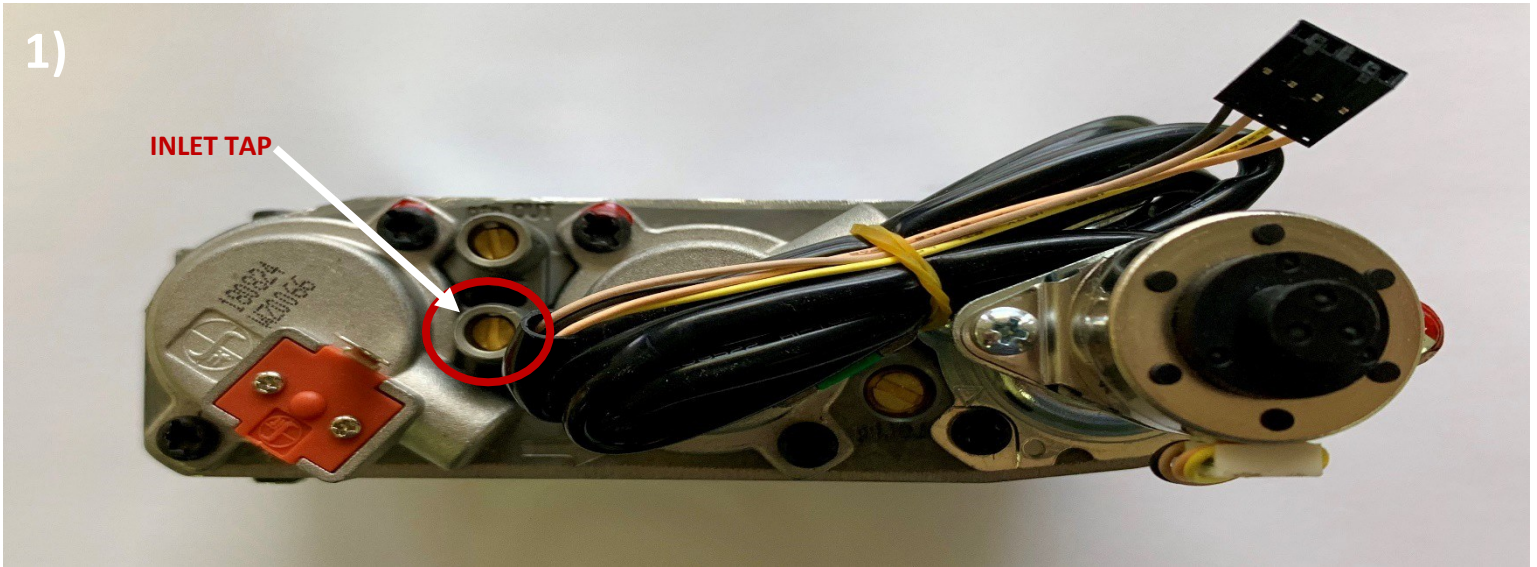
**NOTE:** Confirm the SIT electric motor is set for LP by the red marking as showing in the picture above. The pilot orifice & the burner must be changed to work with LP, these two parts will be attached with the LP gas kit.

## Pressure Verification

The Liquid Propane (LP) gas pressure verification must be done by a licensed professional.

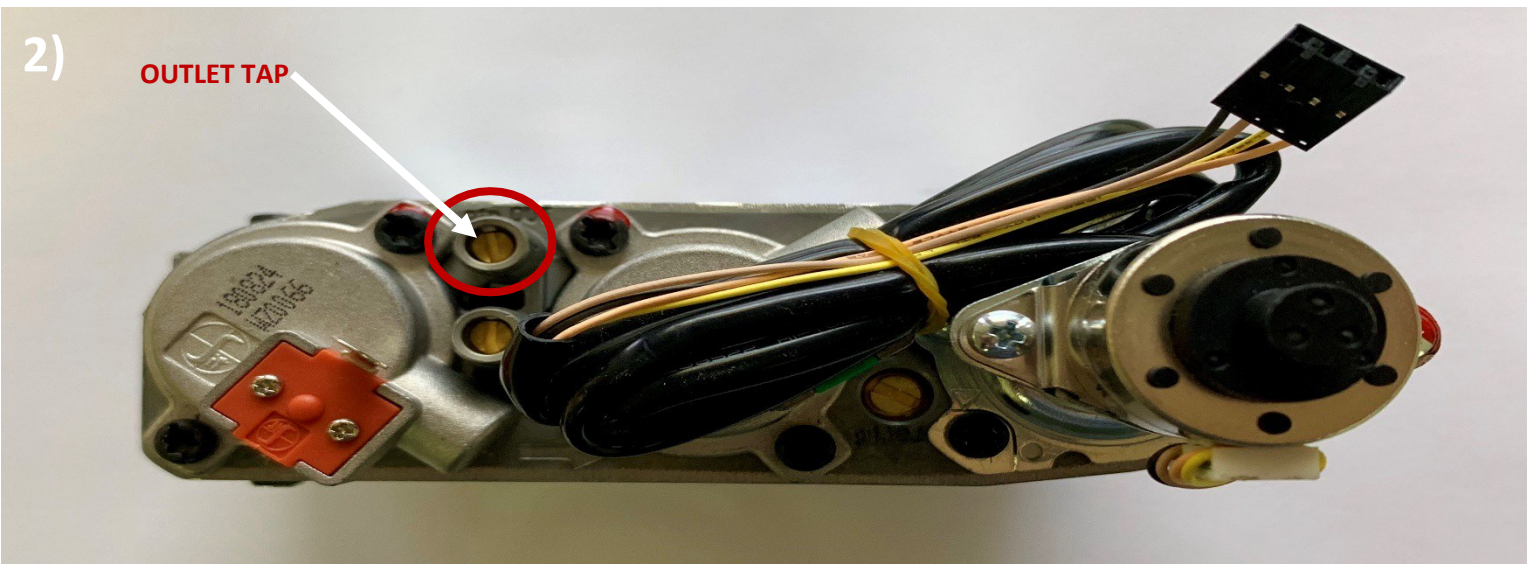
1. Validate **Inlet** Pressure using monometer. See “Inlet” tap in image below.

**PLEASE NOTE:** Loosen screw only to validate pressure, tighten upon completion.



2. Validate **Outlet** Pressure using monometer. See “Outlet” tap in image below.

**PLEASE NOTE:** Loosen screw only to validate pressure, tighten upon completion.



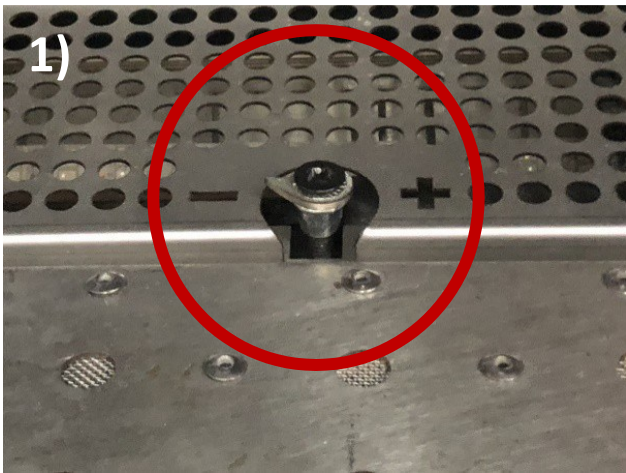
LP INLET PRESSURE: 10.0" WC – 11.0" WC  
LP MANIFOLD PRESSURE: 9.6" WC

## Air Shutter Adjustment(s)

Liquid Propane (LP) units require different air shutter settings to achieve the most natural & cleanest burn. Keep in mind Flare Fireplaces which are 60" & above will have 3 separate burners, so you'll need to adjust each air shutter individually to achieve a uniform burn across your unit.

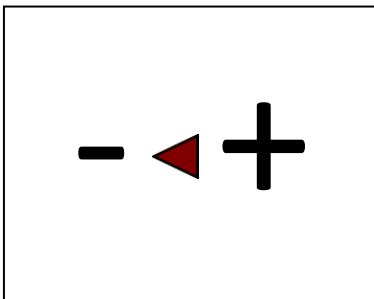
**PLEASE NOTE: Incorrect air shutter adjustments will result in excess soot on the glass.**

1. Locate your air shutter adjustment on the fireplace burner(s) between the - & + signs.

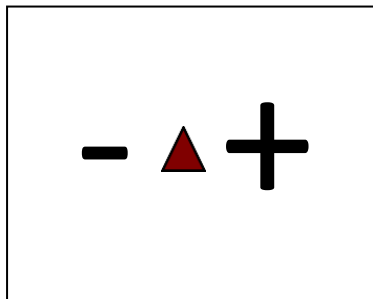


2. Using a Philips head screwdriver adjust mix of air & gas needed for a natural looking burn. See images below for what each setting achieves.

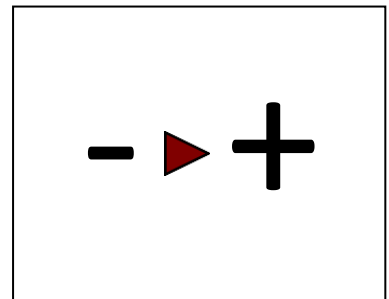
NO AIR | **ORANGE** FLAME



50/50 | HALF & HALF



ALL AIR | **BLUE** FLAME



**PLEASE NOTE: You are looking to have an orange top & a blue bottom to your flame. An all-blue flame will be difficult to see, & an all-orange flame will cause severe sooting**

