

Combining Linear Burners

NOTICE: Please be aware that when you are combining two linear burners together it is extremely important to size the gas line for the total Btu's of both burners together.

The FPB-36L, FPB30L and FPB24L Series fire pits can be combined in various combinations to create a longer length fire pit look. This is accomplished by removing the extension bracket (Fig. 1) outlined in the drawing above from each linear burner you are wanting to combine together. The extension bracket has the angled end and is secured with two screws on each side. Simply remove the screws and slide the extension bracket off from each burner. Butt the two non-pilot ends of each burner tight together and keep them level to provide the appearance of one long linear burner (Fig. 2).

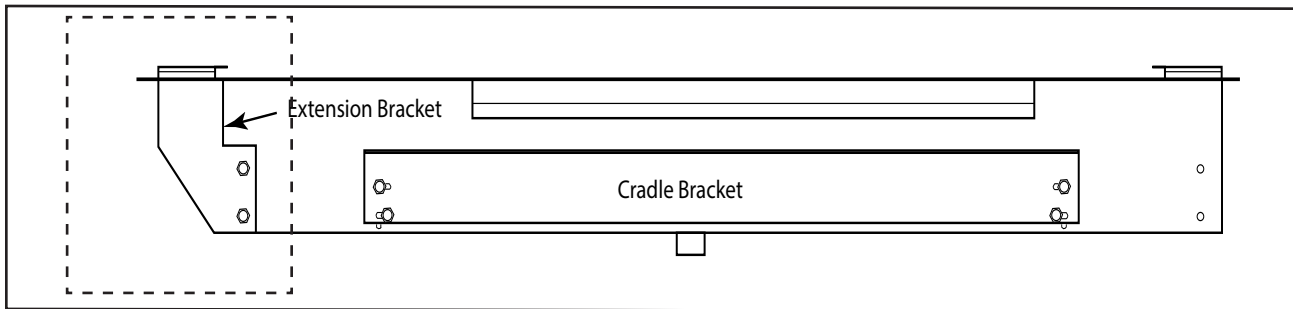


Figure 1. Side view of burner showing extension bracket.

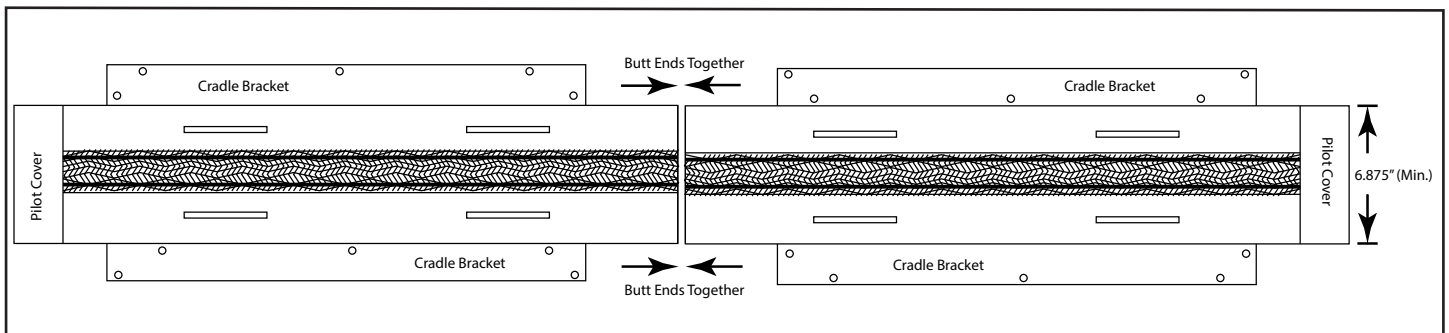


Figure 2. Top view installation

Linear Burner Possible Configurations

Model		Model		Minimum Rough Opening	Total Btu's NG	Total Btu's LP
FPB-36LTFS	+	FPB-36LTFS	=	76.25" long x 6.875" wide	110,000	110,000
FPB-36LMT	+	FPB-36LMT	=	76.25" long x 6.875" wide	104,000	104,000
FPB-36LTFS	+	FPB-30LTFS	=	70.25" long x 6.875" wide	97,000	97,000
FPB-36LMT	+	FPB-30LMT	=	70.25" long x 6.875" wide	97,000	100,000
FPB-36LTFS	+	FPB-24LTFS	=	64.25" long x 6.875" wide	90,000	90,000
FPB-36LMT	+	FPB-24LMT	=	64.25" long x 6.875" wide	87,000	90,000
FPB30L-TFS	+	FPB30L-TFS	=	64.25" long x 6.875" wide	84,000	84,000
FPB30L-MT	+	FPB30L-MT	=	64.25" long x 6.875" wide	90,000	90,000
FPB30L-TFS	+	FPB24L-TFS	=	58.25" long x 6.875" wide	77,000	77,000
FPB30L-MT	+	FPB24L-MT	=	58.25" long x 6.875" wide	80,000	80,000
FPB-24LTFS	+	FPB-24LTFS	=	52.25" long x 6.875" wide	70,000	70,000

Table 1

IMPORTANT: Ensure you have proper gas pipe sizing when combining two burners together. Gas pipe sized too small will cause improper operation from both burners.

MATCH THROW (MT) INSTALLATION

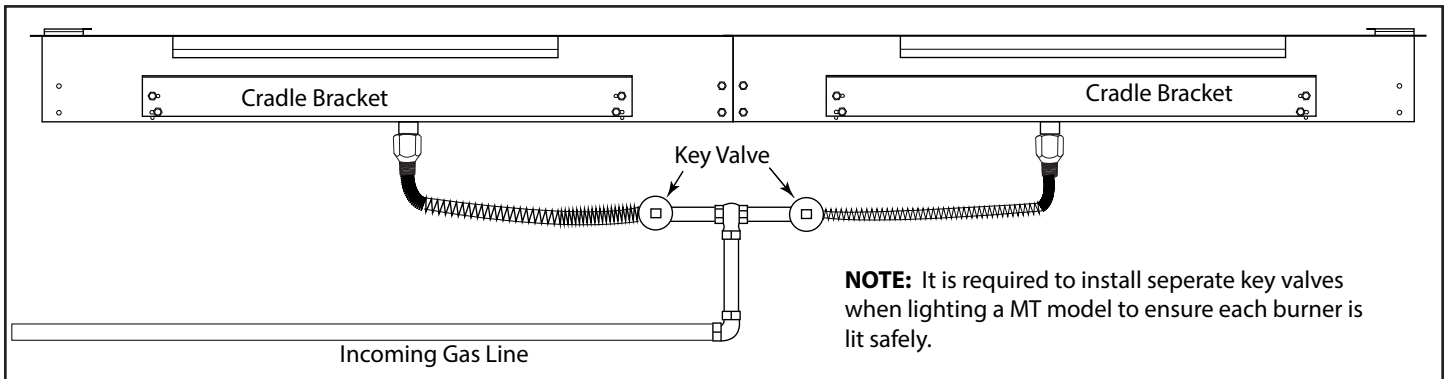


Figure 3. MT (Match Throw) plumbing diagram.

Two key valves are required to enable safe lighting of individual burners or you will void the warranty. Without them you risk delayed ignition of the one burner not being lit at the same time. It is highly recommended to keep the key valves with in 6-feet of each other and on the same side. See Match Throw lighting instructions below.

MATCH THROW (MT) LIGHTING INSTRUCTIONS

READ ALL WARNINGS AND SAFETY INFORMATION IN INSTALLATION MANUAL BEFORE ATTEMPTING TO LIGHT FIRE PIT

CAUTION: Ensure you have leak tested the fire pit before operating.

TURNING ON FIRE PIT

1. Insert key into shut-off valve and secure into square end (see Figs. 4 & 5).
2. Light a long match or butane lighter and hold it near the center of the burner.
3. Turn the key counter-clockwise in gas valve (until it stops) to allow gas to flow and simultaneously apply the long burning match or Butane lighter as close to the end burner as possible to light the fire pit. See Fig. 10.
4. Gas should ignite within 10 seconds or less. If fire pit does not light within 10 seconds turn key clockwise to turn **OFF** the gas supply. Ensure there is not too much media on top of the burner that might inhibit gas flow and try again in 5-minutes.
5. Repeat steps 1 - 4 with the second burner.

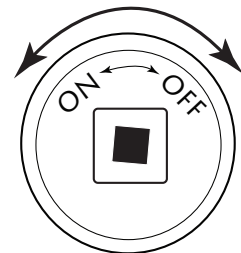


Figure 4. Key Valve Face

TURNING OFF FIRE PIT

1. Insert key into each shut-off valve and secure into square end.
2. Turn key clockwise until it stops.
3. Repeat steps 1 and 2 for the second burner.
3. After cooling off install cover.

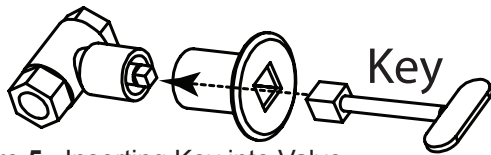


Figure 5. Inserting Key into Valve

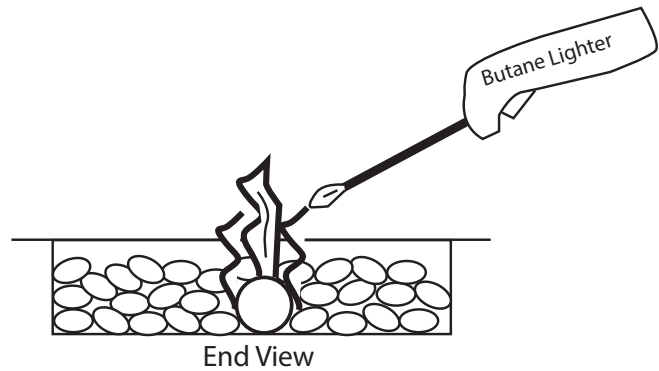


Figure 6. Lighting fire pit with lighter

THERMOCOUPLE FLAME SENSE (TFS) INSTALLATION

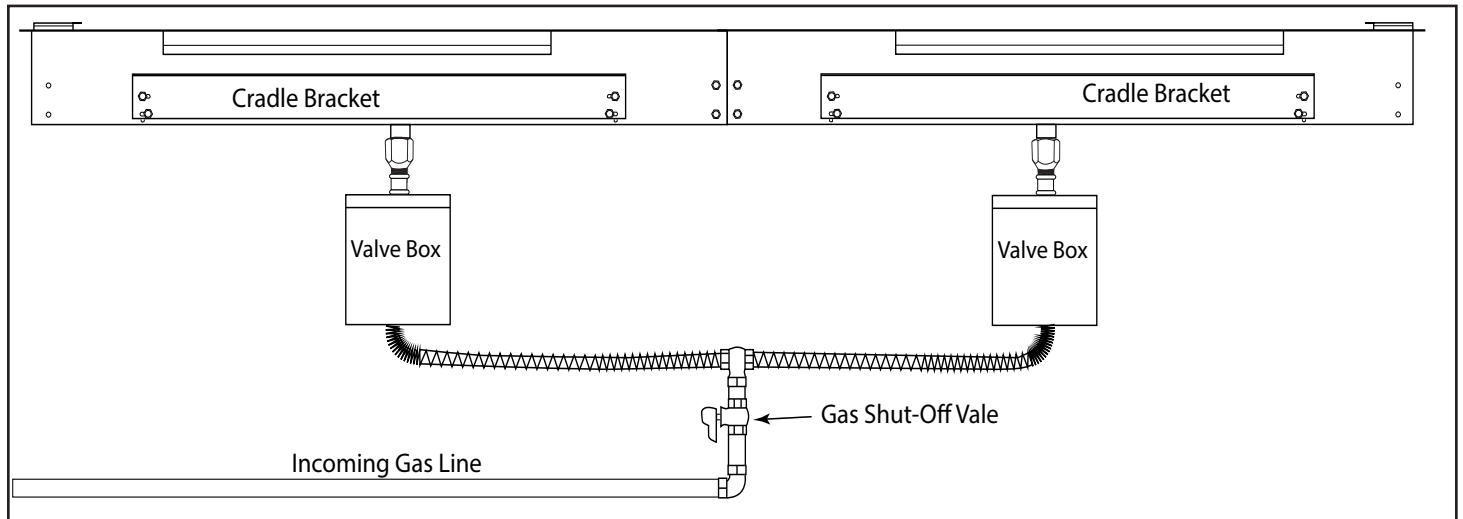


Figure 7. TFS (Thermocouple Flame Sense) plumbing diagram.

THERMOCOUPLE FLAME SENSE (TFS) LIGHTING INSTRUCTIONS

READ ALL WARNINGS AND SAFETY INFORMATION IN INSTALLATION MANUAL BEFORE ATTEMPTING TO LIGHT FIRE PIT

TURNING ON FIRE PIT

1. Ensure you have leak tested the fire pit before operating. Turn main gas supply ON.
2. Ensure batteries are installed in battery pack and switch is on Latching Solenoid.
3. Press the **ON** button on the transmitter. You will hear the ignitor probe will begin sparking for up to 20 seconds and the fire pit will turn ON.
4. If the fire pit does not light the module will “beep” one time every second indicating an ignition error. This is a hard lockout. If this occurs press the **OFF** button on the remote control and repeat step 1-3.
5. If fire pit does not light after second try turn main gas OFF, wait 5 minutes and repeat steps 1-3.

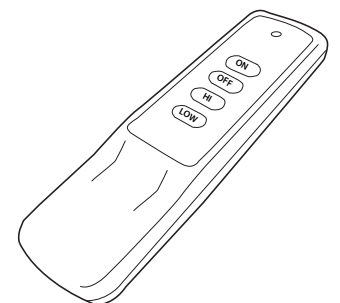


Figure 8. Transmitter

NOTE: It may take several cycles of ON/OFF to purge the airflow from the gas lines. The direct spark ignition will turn OFF after 20 seconds if the burner does not light after which you will need to press transmitter OFF button then back ON to initiate ignition again.

Flame height can be adjusted HI and LO. After the fire pit is operating press the hand-held transmitter HI or LO. The transmitter defaults to the HI setting when initially lighting the fire pit each time or if attempting to re-light but will remember the last setting used and change back to that last setting in approximately 5 seconds after lighting.

TURNING OFF FIRE PIT

1. To turn OFF the fire pit press the OFF button on the transmitter. Fire pit will turn OFF.
2. After fire pit has completely cooled off install cover.

**Always refer to the installation instructions that comes with
each linear fire pit for additional information.**

Leave this insert for fire pit for lighting instructions.

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