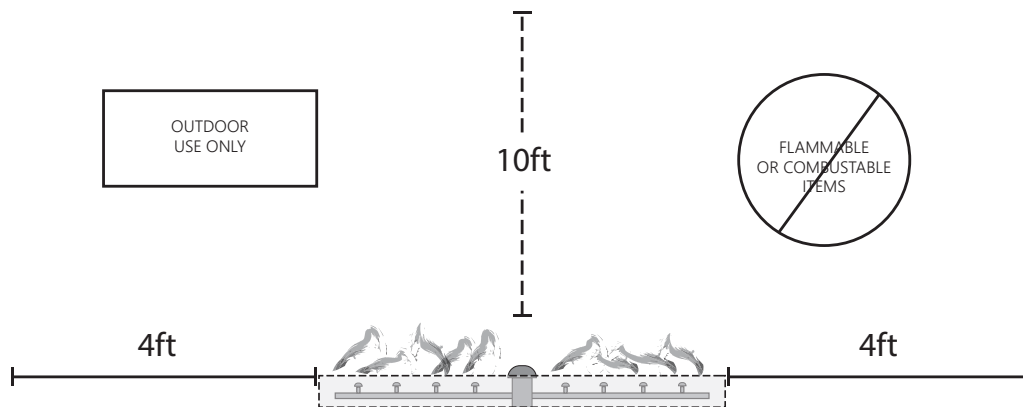


NEW FIRE FEATURE INSTALLATION SUPPLEMENT

- Installation
 - Installation must be performed by a licensed contractor. Installer must follow all local codes as well as National Fuel Gas Code, ANSI Z223.1. We suggest that our products be serviced annually by a professional certified in the US by the National Fireplace Institute (NFI) as NFI Gas Specialists or in Canada by WETT (Wood Energy Technical Training). Installer must follow all instructions carefully to ensure proper performance and safety.
 - Clearances: Sides 4 ft / Top 10 ft: Combustibles/structures not to be closer than 4' on the horizontal plane, 10' overhead

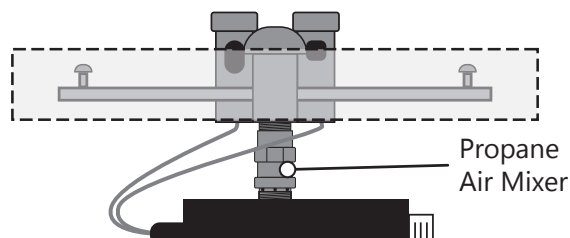


- Do not recess the fire feature below ground/floor level
- Install fire features out of the way of pedestrian traffic. Provide space to allow a safe distance from the heat and flame
- You must have clear and easy access to the ON / OFF valve AFTER the appliance is installed and connected to the gas supply in order to safely turn off the burner.
- Floor of enclosure should be non-combustible material
- Check that all gas connections are tight
- To eliminate unnecessary pressure drop, ensure the pipe length and amount of elbows used is minimized
- Corrugated flex hoses are known to cause a whistling sound. A whistle-free hose is recommended for gas supply to the burner
- Units are NOT intended to be used with small portable LP tanks.
- Vent collars on the fire feature bowl/tables should not be obstructed.
- The burner assembly should be covered and protected from snow and ice. The burner should not be operated in high wind conditions
- Once installed, gas control valve should not be used to adjust the flame
- Media
 - Use only approved fire glass or rock media on burners.
 - The glass or rock media must not be covering any gas ports
 - Media must not cover up the holes on the side of the temp sensor, otherwise the auto ignition will not work properly.
- Gas Pressure Regulator
 - All installations must have gas regulator installed to maintain the gas pressure to the system. Below is the required gas pressure to be maintained after the gas regulator
 - Gas regulator should be installed towards the bottom of the fire feature such that it doesn't see temperature from the burner

RECOMMENDED GAS PRESSURE	
DESCRIPTION	WATER COLUMN
LIQUID PROPANE	8.5 - 11"WC
NATURAL GAS	3.5 - 6" WC

NOTE: CHECK WITH YOUR GAS SUPPLIER TO VERIFY GAS FLOWS AND PRESSURES AVAILABLE AT THE LOCATION OF YOUR INSTALLATION. IN MANY CASES UTILITY COMPANIES WILL INSTALL LARGER METERS AT NO CHARGE TO ACCOMMODATE LARGER FLOWS.

- Periodic Maintenance
 - Periodically clean the burner assembly with a wet cloth or cleaning solution to remove carbon build-up. Frequency of the cleaning will depend on usage
 - Periodically inspect the underside of the burner assembly for any signs of excessive temperatures
 - Visually inspect burner holes for debris/insect infestation and clogging. Clean burners as necessary using compressed air
 - Check that all gas connections are tight
- Air Mixer for Propane Units
 - For propane units, use only the air mixer which are rated for that burner
 - For the air mixer, be sure to follow specific instructions and make sure the gas is flowing in the same direction as the arrow on the air mixer. Failure to do so could result in personal injury and damage to unit/property
 - No elbows immediately after an air mixer. Do not attach the air mixer directly to the fire ring.
 - Air intake holes on the air mixer should not be obstructed



- Ventilation
 - All installations must have proper ventilation around and under the unit to allow possible accumulated gas to escape. Failure to do so may cause a dangerous build-up of gas and can explode
 - Ventilation location must be such that any settled gas can escape
 - Top of the column or pedestal on which fire feature is installed needs to be sealed around.
 - A minimum of two vents on opposing sides of the enclosure are required. See Table for minimum vent requirements. Multiple vents evenly spaced totaling minimum requirement or more is also acceptable
 - Minimum air openings shall not be less than 3"
 - One vent should be within 12 inches of the bottom of the enclosure and another within 12 inches from the top of the enclosure
 - Vents should not be blocked from air circulation

VENTILATION OPENING SIZE		
BURNER SIZE	BTUS (IN K'S)	MINIMUM VENT SIZE (EACH - TWO REQUIRED)
FIRE RING-9"	73	18.25
FIRE RING -16"	165	41.25
FIRE RING -22"	254	63.50
FIRE RING -29"	340	85.00
FIRE RING -35"	363	90.75
FIRE RING -42"	388	97.00
FIRE LINE -24"	58	14.50
FIRE LINE -29"	73	18.25
FIRE LINE -35"	85	21.25
FIRE LINE -48"	105	26.25
FIRE LINE -61"	115	28.75
FIRE LINE -74"	125	31.25
FIRE LINE -87"	135	33.75
FIRE LINE -100"	150	37.50
FIRE LINE -113"	165	41.25
FIRE LINE -126"	242	60.50
FIRE LINE -134"	256	64.00
FIRE LINE -146"	270	67.50

AIR MIXER FOR PROPANE UNITS			
BURNER SIZE	BTUS	AIR MIXER P/N	AIR MIXER BTUS
FIRE RING-9"	73	8-1361-02	73
FIRE RING -16"	165	8-1361-08	165
FIRE RING -22"	254	8-1361-09	250
FIRE RING -29"	340	8-1361-10	380
FIRE RING -35"	363	8-1361-10	380
FIRE RING -42"	388	8-1361-10	380
FIRE LINE -24"	58	8-1361-01	58
FIRE LINE -29"	73	8-1361-02	73
FIRE LINE -35"	85	8-1361-03	85
FIRE LINE -48"	105	8-1361-04	105
FIRE LINE -61"	115	8-1361-05	125
FIRE LINE -74"	125	8-1361-05	125
FIRE LINE -87"	135	8-1361-06	135
FIRE LINE -100"	150	8-1361-07	150
FIRE LINE -113"	165	8-1361-08	165
FIRE LINE -126"	242	8-1361-06	2X - 135
FIRE LINE -134"	256	8-1361-06	2X - 135
FIRE LINE -146"	270	8-1361-06	2X - 135

- Drain
 - All the fire features should have adequate drain, such that water doesn't get clogged.
 - Fire pans using propane should not have drains located at bottom of cavity. Drainage should be achieved with vent holes around the enclosure