



WARRANTY IS VOID IF INSTALLATION MANUAL IS NOT FOLLOWED CORRECTLY

LOW VOLTAGE IGNITION SYSTEM DC (WITHIN 5FT OF WATER)

- » Minimum 12-gauge wire - longer runs will require up to 6 gauge, please reference the **DC Wiring Chart** on the other side of this sheet.
- » **DO NOT CONNECT 110V DIRECTLY TO THE IGNITION SYSTEM.**
- » Home run connections from the transformer to each fire feature - **NO DAISY CHAINING!**
- » Amperage should range between 2.0 to 2.2 amps initially. 4 seconds after being turned on, the amperage will lower to approximately 1.4 to 1.6 amps.

PLUG & PLAY IGNITION SYSTEM DC (MIN. 5FT AWAY FROM WATER)

- » Plug into an Outdoor-Rated GFCI Outlet. Can also be hardwired.
- » 120V required at source.
- » May be connected on a relay for pool controllers / smart home systems.

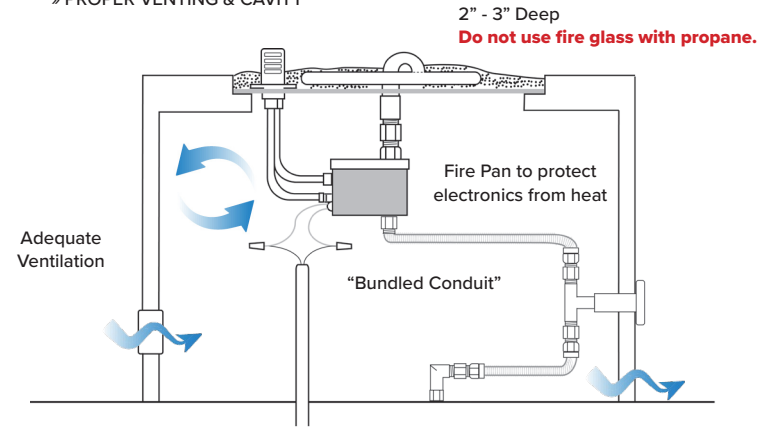
PLUMBING/GAS

- » Requires 7" of water column for **Natural Gas** - dynamic test (with feature(s) turned on).
- » Requires 11" of water column for **Propane** - dynamic test (with feature(s) turned on).
- » **LP Air Mixer** is required for **Propane (Excluding Bullet Burner)**.
- » **Whistle-Free Hoses** - included with all Fire Features, but may be purchased separately (various diameters and lengths available for insert applications).
- » **DO NOT USE YELLOW APPLIANCE GAS HOSES**, this will cause a loud whistling sound in the Fire Feature.



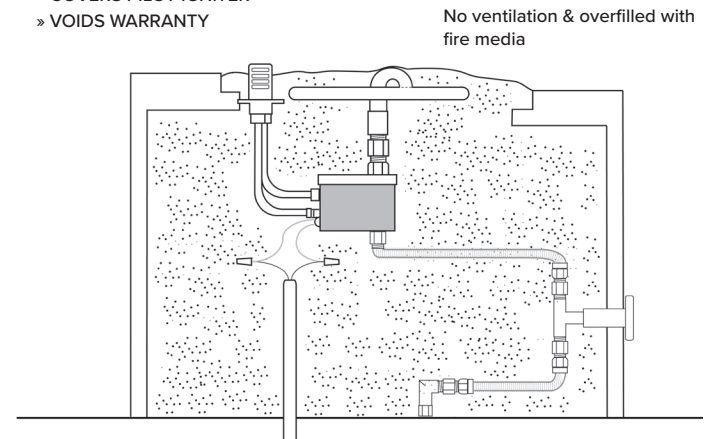
CORRECT INSTALLATION

- » ONLY FIRE-RATED MEDIA
- » PAN TO HOLD MEDIA
- » PROPER VENTING & CAVITY



WRONG INSTALLATION

- » NO PAN TO HOLD MEDIA
- » IMPROPER VENTING
- » COVERS PILOT IGNITER
- » VOIDS WARRANTY



FIRE GLASS WARNING FOR PROPANE APPLICATIONS:

THE OUTDOOR PLUS DOES NOT RECOMMEND USING ANY FIRE GLASS, SAND, OR FIRE MEDIA WITH ANY PROPANE FIRE/FIRE & WATER FEATURE. LIQUID PROPANE (LP) IS A HEAVIER GAS THAN AIR, AND APPLYING FIRE GLASS ALLOWS THE GAS TO POOL IN THE FIRE PIT ENCLOSURE AND BURN AREA WHICH CREATES PRESSURE. THIS IS EXTREMELY DANGEROUS AND CAN RESULT IN INJURY OR DEATH.

VENTILATION WARNING:

THE OUTDOOR PLUS REQUIRES HAVING SUFFICIENT AIR FLOW AND CROSS-VENTILATION FOR ANY FIRE FEATURE INSTALLATION. VENTING IS REQUIRED TO DISSIPATE HEAT AND ANY RESIDUAL FUEL. 1 SQUARE INCH OF CROSS-VENTILATION IS REQUIRED FOR EVERY 25,000 BTUS. FAILURE TO PROVIDE PROPER VENTILATION COULD RESULT IN OVERHEATING, INJURY, EXPLOSION, AND/OR DEATH.

WARNING: READ COMPLETE MANUAL PRIOR TO INSTALLATION

FIRE PITS AND BOWLS

- » **Bowls** must use mounting brackets.
- » **All Fire Pits (Except for Concrete Fire Pits)** must use adjustable leveling feet (included).
- » **FAILURE TO USE THE PROVIDED MOUNTING BRACKET OR LEVELING FEET WILL VOID WARRANTY. DO NOT USE CAULKING TO SEAL FIRE/FIRE & WATER BOWLS TO COLUMN.**
- » Purge all air out of gas line before connecting gas.
- » Bundle and route all utilities together to fit through a 3" hole at the bottom of fire bowls for easier installation.
- » Termination of utilities will not be over 2" tall inside fire bowls and fire pits and recommended be terminated with a 90 degree fitting.

FIRE FEATURE INSERTS & COMPONENTS

- » Large inserts (of any shape) can be designed with 2 or more evenly spaced gas inlets connected with a manifold.
- » Requires minimum 2 vent holes in fire pit enclosure, on side wall towards the bottom.
- » **Vent Sizing** - 1 SQ INCH OF CROSS VENTILATION PER 25,000 BTU'S.
- » **Water Drainage Requirements:**
1/8" Hole per 1 sq.ft. of the pan.
Venting and drainage are critical for long term performance of the feature

and installers should lean on the side of excessive venting and drainage while trying to maintain aesthetics.

- » The minimum depth required for Custom-Built Fire Pits is 9" to accommodate the Ignition System and utility connections. 12" or more is optimal.
- » **ANY CUSTOM BUILT FIRE PIT BY CONTRACTOR/MASONRY MUST INCLUDE VENTILATION, OR WARRANTY WILL BE VOIDED.**

LOW VOLTAGE DC WIRING CHART

Electrical Wire	6AWG	8AWG	10AWG	12AWG
Distance	5 FT	5 FT	5 FT	5 FT
	10 FT	10 FT	10 FT	10 FT
	20 FT	20 FT	20 FT	20 FT
	30 FT	30 FT	30 FT	30 FT
	40 FT	40 FT	40 FT	
	50 FT	50 FT	50 FT	
	60 FT	60 FT		
	70 FT	70 FT		
	80 FT	80 FT		
	90 FT			
	100 FT			
	110 FT			

GAS PRESSURE REQUIREMENTS

Ensure that gas pressure is regulated according to The Outdoor Plus specifications.

Pressure	Gas Type	
	Natural Gas	Propane
Minimum	3.5" W.C. / .87 kPa	8" W.C. / 1.99 kPa
Nominal	7" W.C. / 1.74 kPa	11" W.C. / 2.73 kPa
Maximum	14" W.C. / 3.48 kPa	14" W.C. / 3.48 kPa



STOP! MUST READ COMPLETE MANUAL!

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READ COMPLETE MANUAL

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<https://theoutdoorplus.com/manuals-and-documents/>