



## 12V ELECTRICAL (WITHIN 5FT OF WATER)

- » Minimum 12-gauge wire – longer runs will require up to 6 gauge, please reference the PX-300 wiring chart.
- » **DO NOT CONNECT 110V DIRECTLY TO THE 12V IGNITION BOX**
- » Home runs from the transformer to each fire feature – **NO DAISY CHAINING!**
- » Use the blue 14V wire option when installing.
- » Amperage should range between 2.0 to 2.2 amps initially. Four seconds after being turned on the amperage will lower to approximately 1.4 to 1.6 amps.

## 110V/120V ELECTRICAL (MIN. 5FT AWAY FROM WATER)

- » May be hardwired or outdoor box connection.
- » 120V required at source.

## 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 mixer are required for propane
- » Use whistle free hoses – supplied with systems but, must 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 appliance.

### DYNAMIC GAS PRESSURE REQUIREMENTS

Pressure	Natural Gas	Liquid Propane
Minimum	3.5" W.C. 1/8 PSI	8" W.C. 1/3 PSI
Nominal	7" W.C. 1/4 PSI	11" W.C. 1/3 PSI
Maximum	14" W.C. 1/2 PSI	14" W.C. 1/2 PSI

## DISTANCE FROM SWEIS TO THE 12V CONTROL PANEL

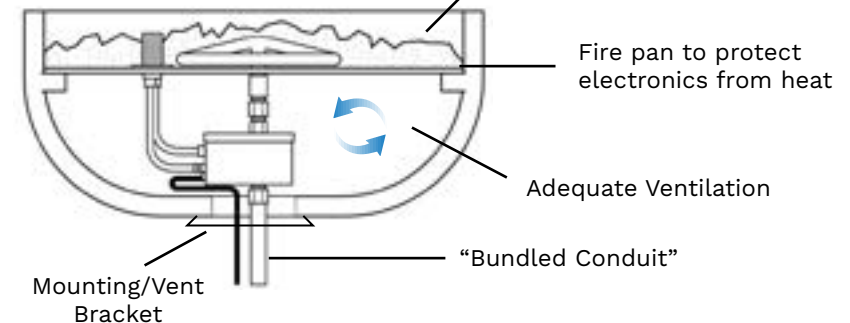
Distance	6 Gauge	8 Gauge	10 Gauge	12 Gauge
<30 ft.	12 VAC	13 VAC	13 VAC	14 VAC
40 ft.	13 VAC	13 VAC	14 VAC	
50 ft.	13 VAC	13 VAC	14 VAC	
60 ft.	13 VAC	14 VAC		
70 ft.	13 VAC	14 VAC		
80 ft.	13 VAC	14 VAC		
>90 ft.	13 VAC			

### CORRECT INSTALLATION



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

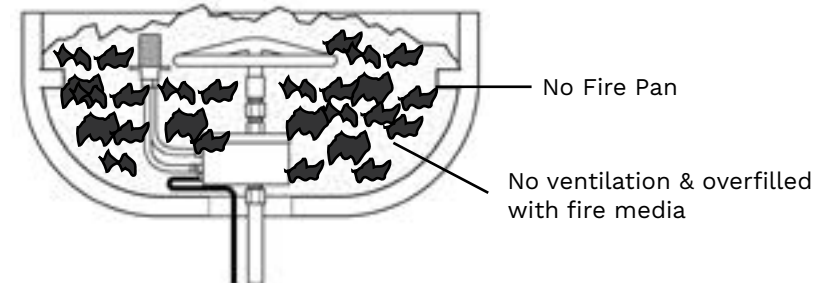
2"-3" Deep / Do not use fire glass with propane.



### WRONG INSTALLATION



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



# WARNING: READ COMPLETE MANUAL PRIOR TO INSTALLATION

## FIRE PITS AND BOWLS

- » Must use mounting brackets or adjustable leveling feet (included) on fire pits and bowls that do not have integrated feet
  - » **Failure to use the provided mounting bracket on Fire/Fire & Water bowl installs 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
- » Terminate all utilities close together to fit inside 3” hole in bottom of fire bowls and fire pits – “bundled” preferred for ease of 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.

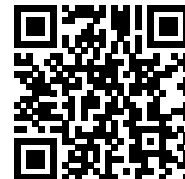
## FIRE FEATURE INSERTS & COMPONENTS

- » Always Terminate all utilities in the center of the fire trough, before installation of fire feature.
- » Long linear inserts 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.
- » Minimum depth of made onsite pits is 9” to allow enough space for Silver Ignition box and utility terminations to be connected – optimal is 12” or more.
- » CUSTOM BUILT FIRE PIT BY CONTRACTOR/MASONRY: **VENTILATION IS REQUIRED OR WARRANTY IS VOID.** The vents can be any shape you would like.
- » **DO NOT USE ANY FIRE BRICK, FILLER, SAND, OR CONCRETE WITHIN THE INTERIOR HOLLOW SPACE OF OUR FINISHED FIRE PRODUCTS, THIS WILL VOID THE WARRANTY.**
- » **DO NOT USE FIRE GLASS WITH PROPANE GAS FIRE FEATURES.**



### STOP! MUST READ COMPLETE MANUAL!

WARRANTY IS VOID IF INSTALLATION MANUAL IS NOT FOLLOWED CORRECTLY.



### READ COMPLETE MANUAL

SCAN THIS QR CODE WITH A SMARTPHONE TO ACCESS THE MANUALS AND DOCUMENTS OR VISIT:  
[HTTPS://THEOUTDOORPLUS.COM/DOCUMENTS/](https://theoutdoorplus.com/documents/)