

SUBMITTAL DATA SHEET: X-PV Boiler



X-PV

**Gas Fired, Power/Direct Vent,
Cast Iron Water Boiler**

Date: _____

Job Name: _____

Location: _____

Engineer: _____

Wholesaler: _____

Contractor: _____

Submitted to: _____

Model Designation: _____

Fuel: _____



www.usboiler.net

U.S. Boiler Company, Inc. - Lancaster, PA
Phone: 1-888-432-8887

SUBMITTAL DATA SHEET: X-PV Boiler

TECHNICAL INFORMATION

X-PV Ratings & Models

Model	Fuel	Input ¹ (MBH)	DOE Heating Capacity (MBH)	Net AHRI Rating Water ¹ (MBH)	AFUE%	Factory Builds "Order by Altitude"	
						Sea level to 2,000 ft.	2,000 to 10,000 ft.
X-PV3N	Nat. Gas	70	60	52	85.0	X-PV3N-T02	X-PV3N-T10
X-PV3P	LP	63	54	47	85.0	X-PV3P-T02	X-PV3P-T10
X-PV4N	Nat. Gas	105	90	78	85.0	X-PV4N-T02	X-PV4N-T10
X-PV4P	LP	94.5	81	70	85.0	X-PV4P-T02	X-PV4P-T10
X-PV5N	Nat. Gas	140	120	104	85.0	X-PV5N-T02	X-PV5N-T10
X-PV5P	LP	126	108	94	85.0	X-PV5P-T02	X-PV5P-T10
X-PV6N	Nat. Gas	175	150	130	85.0	X-PV6N-T02	X-PV6N-T10
X-PV6P	LP	157.5	135	117	85.0	X-PV6P-T02	X-PV6P-T10
X-PV7N	Nat Gas	210	179	156	85.0	X-PV7N-T02	X-PV7N-T10
X-PV7P	LP	189	161	140	85.0	X-PV7P-T02	X-PV7P-T10
X-PV8N	Nat. Gas	245	208	181	84.0	X-PV8N-T02	X-PV8N-T10
X-PV8P	LP	220.5	187	163	84.0	X-PV8P-T02	X-PV8P-T10



Maximum Allowable Working Pressure 50 PSI. Boiler shipped from factory with a 30 PSI safety relief valve.

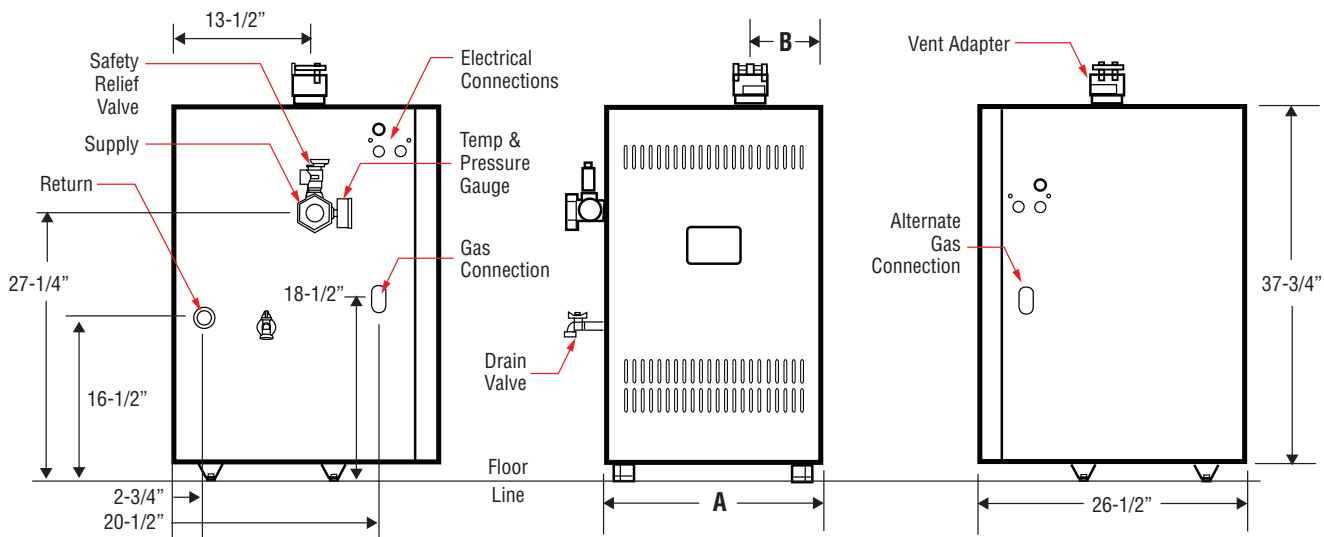
(1) Input ratings can be used for elevations up to 2000 ft. above sea level. Refer to Appendix B of Operating and Service Instructions for elevations 2000 ft. and higher.

(2) Net AHRI Water Ratings shown are based on a piping and pickup allowance of 1.15. Consult manufacturer before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent operation, extensive piping systems, etc.

Horizontal or vertical AL29-4C® stainless steel is required to vent the X-PV boiler

X-PV Dimensions, Specifications, Optional Conversion Kits

Size	"A" (In.)	"B" (In.)	Connections (inches)				Water Content (gal.)	Approx Shipping Weight (lbs.)	Direct Vent Conversion Kit (part no.)
			Supply	Return	Gas Valve (NPT)	Vent			
X-PV3	12-3/4"	2-3/4"	1-1/4"	1-1/4"	1/2"	3"	2	260	110019-03
X-PV4	15-1/2"	4"	1-1/4"	1-1/4"	1/2"	3"	3	310	110019-04
X-PV5	18-1/2"	5-1/2"	1-1/4"	1-1/4"	1/2"	3"	4	360	110019-05
X-PV6	21-1/2"	7"	1-1/4"	1-1/4"	1/2"	3"	5	415	110019-06
X-PV7	24-3/4"	8-1/2"	1-1/4"	1-1/4"	3/4"	3"	6	470	110019-07
X-PV8	27-3/4"	10"	1-1/4"	1-1/4"	3/4"	4"	7	525	110019-08



SUBMITTAL DATA SHEET: X-PV Boiler

STANDARD EQUIPMENT

- Cast iron section assembly with metal push nipples
- Insulated steel jacket
- 1" base insulation
- Intelligent Hydronic Control – simple self-diagnostic control system with 3-digit readout for status settings and errors
- Step-opening redundant gas valve
- Stainless steel burner tubes
- Stainless steel flue gas baffles
- Spark ignition with continuous retry
- Taco ECM circulator included
- Pre-installed IDL-1200 LWCO
- Air pressure switch
- Boiler drain valve
- Cast iron supply manifold with safety relief valve tapping

OPTIONAL EQUIPMENT

FUEL & ALTITUDE CONVERSION KITS*

Part Number	Description
_____ 110858-01	Nat to LP, 3-6 section, 0-2,000'
_____ 110859-01	Nat to LP, 3-6 section, 2,000'-10,000'
_____ 110860-01	Nat to LP, 7-8 section, 0-2,000'
_____ 110861-01	Nat to LP, 7-8 section, 2,000'-10,000'
_____ 110862-01	LP to Nat, 3-6 section, 0-2,000'
_____ 110863-01	LP to Nat, 3-6 section, 2,000'-10,000'
_____ 110864-01	LP to Nat, 7-8 section, 0-2,000'
_____ 110865-01	LP to Nat, 7-8 section, 2,000'-10,000'
_____ 110953-03	Altitude (2,000'-10,000') 3 section
_____ 110953-04	Altitude (2,000'-10,000') 4 section
_____ 110953-05	Altitude (2,000'-10,000') 5 section
_____ 110953-06	Altitude (2,000'-10,000') 6 section
_____ 110953-07	Altitude (2,000'-10,000') 7 section
_____ 110953-08	Altitude (2,000'-10,000') 8 section

DIRECT VENT CONVERSION KITS**

Part Number	Description
_____ 110019-03	Direct vent kit, 3-section
_____ 110019-04	Direct vent kit, 4-section
_____ 110019-05	Direct vent kit, 5-section
_____ 110019-06	Direct vent kit, 6-section
_____ 110019-07	Direct vent kit, 7-section
_____ 110019-08	Direct vent kit, 8-section

TRIM & ACCESSORIES

Part Number	Description
_____ 107795-01	System bypass kit w/ Taco 007e

* Factory builds are available for natural gas & LP, and high altitude (in both fuels). Conversion kits are not required unless field modification of an existing factory build is needed.

** Direct vent kits are optional accessories for sea-level factory builds (0-2000 ft.) and included in altitude factory builds (2000-10000 ft.)

SUBMITTAL DATA SHEET: X-2 Boiler

ADDITIONAL NOTES