

SERIES

XPV



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

- 85% AFUE
- 70 – 245 MBH
(Induced draft, 6 sizes)
- Power vented (using indoor combustion air), optional direct vent kit (using outdoor sealed combustion air)
- Perfect for installations with unusable chimneys
- Separate factory builds for gas/LP and high altitude (in both fuels)
 - Get the boiler that's right for you!
- Includes supply line manifold with relief valve and T/P gauge connections
- Integrated boiler control with diagnostics
 - FREE additional pump relay
 - Integral LWCO included, requires no piping! (IDL-1200)
- American-made cast iron heat exchanger
- Lifetime limited warranty
- Made in Lancaster, PA, USA

U.S. Boiler Company

X-PV: 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

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

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

Optional Accessories:

- Direct vent conversion kits – See chart (left) for part numbers
- System bypass kit w/Taco 007e – P/N: 107795-01
- Additional conversion kits for gas/LP and high altitude, consult your sales representative for details – NOTE: factory builds are available for gas & LP and high altitude, see chart above

