



GAS-FIRED STEAM BOILER

PSB CAST IRON

UP TO 82.7% AFUE EFFICIENCY



Dunkirk has been making American steam boilers for more than 80 years. Dunkirk's Plymouth Steam Boiler (PSB) offers a great combination of heating comfort, efficiency, and Dunkirk dependability. With efficiency as high as 82.7%, a Plymouth Steam boiler is an outstanding choice for performance and operating cost.

PSB FEATURES

- 7 Models Available, 75 - 299 MBH
- Dependable Cast Iron Heat Exchanger with Cast Iron Push Nipples:
The sections and push nipples expand at the same rate when heated. By using similar materials instead of less expensive gaskets or steel push nipples, the boiler maintains a water tight seal.
- LWCO (Probe Type) Pressure High Limit Control, Pressure Gauge and Gauge Glass
- Atmospheric Chimney Vent Boiler with Integral Draft Hood and Vent Damper:
Low profile, compact design is ideal for low clearance installations.
- Titanium Burners that are built to last
- Warranty Coverage
 - 12 Year Limited Heat Exchanger Warranty
- Innovative American Manufacturing



RATINGS

AHRI CERTIFIED RATINGS

MODEL	Input MBH ⁽¹⁾	Heating Capacity MBH ⁽¹⁾	Net Steam MBH ⁽²⁾	Steam Sq. Ft.	Efficiency AFUE	Flue Diameter	- A - WIDTH	- B - HEIGHT	DEPTH	WEIGHT
PSB-3D	75	62	47	195	82.7%	5"	11 1/4"	36.375"	26.5"	297
PSB-4D	112	91	68	283	82.0%	6"	14 1/2"	36.375"	26.5"	368
PSB-5D	150	122	92	383	82.0%	6"	17 3/4"	36.375"	26.5"	440
PSB-6D	187	153	115	479	82.0%	7"	21"	36.375"	26.5"	512
PSB-7D	225	183	137	570	82.0%	7"	24 1/4"	36.375"	26.5"	584
PSB-8D	262	214	161	670	82.0%	7"	27 1/2"	36.375"	26.5"	659
PSB-9D	299	245	184	766	82.0%	7"	30 3/4"	36.375"	26.5"	736

(1) Input rating for sea level to 2,000 ft. (610m) above sea level. United States, over 2000 ft (610m) above sea level. Reduce input rate 4% for every 1000 ft (304m) above sea level.

(2) Net AHRI Steam Rating shown based on piping and pickup allowance of 1.333. Consult manufacturer before selecting boilers for installation having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

CONNECTIONS

Return/Supply: 2 1/2" NPT

Gas Inlet: 1/2" NPT (75/112/150), 3/4" NPT (187/225/262/299)

ELECTRICAL

120 Volts AC, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended)

STANDARD EQUIPMENT

Boiler Control Module: Electronic Low Water Cut-Off with 3/4" Probe, Pressure Limit Control, Steam Pressure Gauge and Glass Water Level Gauge.

Heat Exchanger: Cast Iron Sections with Cast Iron Push Nipples.

Combustion: Completely installed and wired gas control system consisting of: Titanium Composite Burners, Gas Manifold with Orifices, Automatic Redundant Combination Gas Valve, 24 Volt, with Pilot Filter and Regulator, Intermittent Pilot Control, Continuous Retry 100% Shut-Off; Combination Pilot Burner/Electrode/Flame Sensor and Integral Draft Diverter.

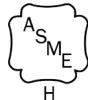
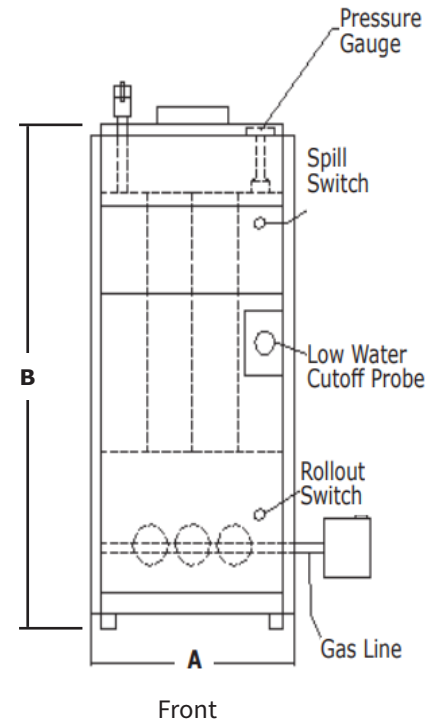
Electrical: 24 Volt Transformer.

Safety: Flame Roll-Out Safety Shut-Off Fuse Link (Roll-Out Switch) and Blocked Vent Safety Shut-Off Manual Reset Disc Thermostat (Spill Switch) with Spare Fuse Link included.

Other: Assembled Boiler with Insulated Jacket, 3/4" Boiler Drain Valve, 15 psi ASME Pop Safety Valve, (2) 2 1/2" Supply Tappings and (2) 2 1/2" Return Tappings (2) 2 1/2" Square Head Pipe Plugs - to plug unused supply and return tappings

OPTIONS

Natural Gas to Propane Conversion Kits Available, Electronic Water Feeder



Tested for 50 psi
ASME Working Pressure



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All specifications subject to change without notice.
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