



WILLIAMS & DAVIS BOILERS

Established 1921

Series 2000V

2-Pass Vertical Tubeless Boilers



**SIZES 6HP THROUGH 150HP
GAS, OIL OR COMBINATION BURNER
FIRETUBE HOT WATER & PRESSURE STEAM BOILERS**

Known as one of the most rugged boilers in the industry today, the Williams and Davis Series 2000v is setting a new standard in Vertical Tubeless Design. With extremely reinforced material and superior fabrication, the W&D Vertical continues to raise the bar.

Within the Williams and Davis Series 2000v vertical tubeless boiler, a series of arched fins are welded to the outer diameter of the boiler's fluid chamber that optimizes temperature flue gas distribution. Large hand holes (3"x4") are strategically located for inspection and routine boiler cleaning. No additional fuel train items or electrical wiring are needed. All Williams and Davis boilers come as completely trimmed and packaged boilers.

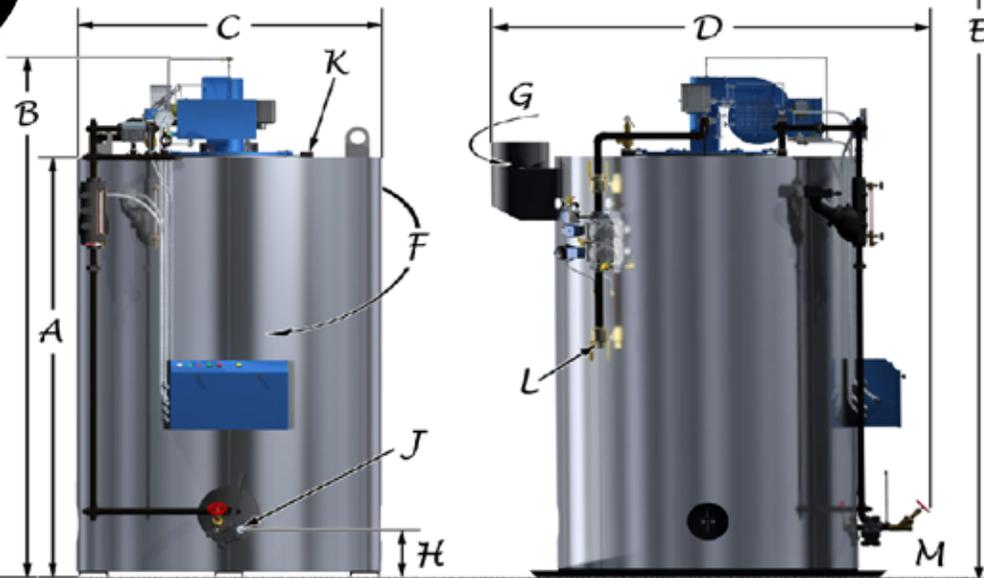
Built to exceed ASME standards, the Series 2000v positions itself well above its class. This is a company principle that continues to make W&D a top choice in the industry. The new water backed design accelerates boiler start up and provides heat evenly throughout the vessel. This, along with many other design features of the Williams and Davis 2000v Vertical Tubeless Boiler, results in fuel to steam efficiencies reaching as high as 84%.



- *Vertical tubeless design*
- *Top mounted burner*
- *Compacted design*
- *Built/Certified to exceed ASME code*
- *Available in Gas, Oil or Combination*

Galvanized Painted Jacket Available >>





Sizes		HP	6	10	15	20	25	30	40	50	60	70	80	100	125	150
STEAM OUTPUT		LBS/HR @ 212° F	207	345	517	690	862	1035	1380	1725	2070	2415	2760	3450	4312	5175
INPUT	BTU/1000		252	420	630	840	1050	1260	1680	2100	2520	2940	3360	4200	5250	6300
	NAT. GAS 1000 BTU/FT ³ /HR		252	420	630	840	1050	1260	1680	2100	2520	2940	2260	4200	5250	6300
	No. 2 Oil 140,000 BTU/ GAL GPH		1.8	3	4.5	6	7.5	9	12	15	18	20.7	24	30	37.5	45
	LP Gas 91,500 BTU/GAL GPH		2.7	4.6	6.9	9.2	11.5	13.8	18.4	23	27.5	32.1	36.7	45.9	57.3	68.8
MOTOR		HP	1/8	1/4	1/3	1/3	1/2	1/2	1/2	1/2	1	1-1/2	1-1/2	1-1/2	3	5
A	BOILER HEIGHT	in. (cm)	44 (112)	50 (127)	68 (170)	68 (170)	80 (200)	80 (200)	90 (229)	95 (241)	102 (259)	102 (259)	102 (259)	102 (259)	117 (297)	117 (297)
B	OVERALL HEIGHT	in. (cm)	65 (165)	71 (180)	89 (226)	89 (226)	101 (257)	101 (257)	111 (282)	117 (297)	127 (323)	127 (323)	131 (333)	131 (333)	146 (371)	150 (381)
C	OVERALL WIDTH	in. (cm)	38 (95)	38 (95)	38 (95)	44 (110)	50 (125)	50 (125)	62 (157)	62 (157)	62 (157)	68 (173)	68 (173)	68 (173)	75 (191)	75 (191)
D	OVERALL LENGTH	in. (cm)	57 (145)	63 (176)	63 (176)	68 (169)	73 (181)	73 (181)	82 (208)	82 (208)	89 (226)	89 (226)	89 (226)	94 (239)	103 (262)	105 (267)
E	Clearance Required for Burner Removal	in. (cm)	71 (180)	77 (196)	95 (241)	95 (245)	107 (272)	107 (272)	117 (297)	123 (312)	133 (338)	133 (338)	137 (348)	137 (348)	152 (386)	156 (396)
F	BOILER DIAMETER	in. (cm)	28 (71)	32 (81)	32 (80)	38 (95)	44 (110)	44 (110)	62 (157)	62 (157)	62 (157)	68 (173)	68 (173)	68 (173)	75 (191)	75 (191)
G	STACK DIAMETER	in. (cm)	6 (15)	8 (20)	8 (20)	10 (25)	12 (30)	12 (30)	16 (41)	16 (41)	16 (41)	16 (41)	16 (41)	18 (46)	18 (46)	18 (46)
H	WATER FEED HEIGHT	in. (cm)	14 (36)	14 (36)	14 (36)	15 (38)	16 (41)	16 (41)	16 (41)	20 (51)	20 (51)	23 (58)	23 (58)	23 (58)	23 (58)	23 (58)
J	WATER FEED PIPE SIZE	in. (cm)	1-1/2 (3.7)	1-1/2 (3.7)												
K	STEAM OUTLET PIPE SIZE	in. (cm)	1-1/2 (3.7)	1-1/2 (3.7)	1-1/2 (3.7)	1-1/2 (3.7)	2 (5)	2 (5)	2 (5)	2-1/2 (6.4)	2-1/2 (6.4)	2-1/2 (6.4)	2-1/2 (6.4)	3 (7.6)	3 (7.6)	3 (7.6)
L	GAS INLET PIPE SIZE	in. (cm)	1 (3)	1 (3)	1 (3)	1-1/4 (3.1)	1-1/4 (3.1)	1-1/2 (3.7)	1-1/2 (3.7)	1-1/2 (3.7)	2 (5)	2 (5)	2 (5)	2-1/2 (6.4)	3 (7.6)	3 (7.6)
M	BLOWOFF PIPE SIZE	in. (cm)	1 (3)	1-1/4 (3.1)	1-1/2 (3.7)	2 (5)	2 (5)	2 (5)	2 (5)	2 (5)						
Estimated Shipping Weight		lbs. (kg)	1200 (545)	1500 (681)	1800 (818)	2800 (1273)	4000 (1818)	4000 (1818)	4000 (1818)	4800 (2182)	4800 (2182)	7800 (3545)	7800 (3545)	7800 (3545)	10450 (4750)	10450 (4750)

*Specifications are subject to change without notice.



Pressure Controller

Solid State Pressuretrol with line voltage pressure controller that provides automatic operating control, automatic limit protection, manual reset limit protection, and 4-20ma modulating firing rate control for pressure systems up to 300 psi.



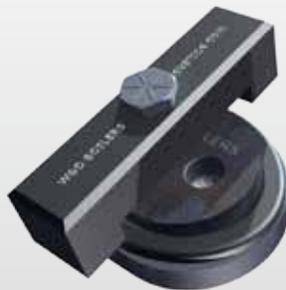
Safety Relief Valves

Wide hex on valve nozzle provides wrenching service clearance for easy installation. Dual control rings offer easy adjustability for precise opening with minimum pre-open or simmer and exact blow-down control.



Vertical Stack

All 2000v series boilers are equipped with vertical stack connections. This allows fewer instruments and trouble-free vent positioning during the installation and maintenance procedures. Epoxy painted surface resists chemicals and rust.



Hand holes

Qty. 4, 3 x 4 hand holes are strategically located for inspection and routine boiler clean out. 3 are located at the lower plane of the boiler and 1, located at the water line. Epoxy painted surface resists chemicals and rust.





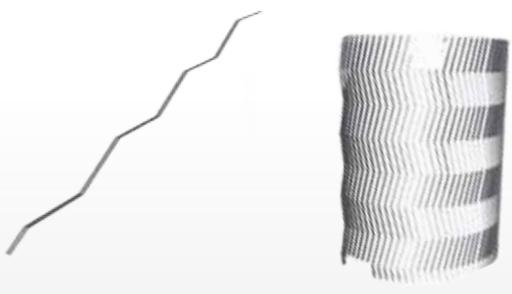
Burner

Williams & Davis offers only the most advanced leading forced drafted burners available in the market today. Available in natural gas, propane, #2 – 6 oil, and combination natural and oil. Obtainable 7-30ppm NOx levels.



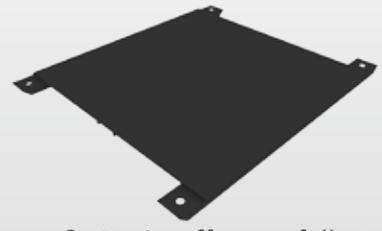
Lifting Eyes

All Williams & Davis Series 2000v Boilers come equipped with two (2) lifting eyes. Epoxy painted surface resists chemicals and rust.



Turbulators

Arched fins are welded to the outer diameter of the boilers fluid chamber, consequentially optimizing temperature flue gas distribution throughout the vessel.



Structural Skid

Williams & Davis offers a full structural skid providing durable stability during all operations and installations. Epoxy painted surface resists chemicals and rust



Wide Range of Applications

Asphalt Cement



Bottling Companies



Clothing



Feed Mills



Hospitals



Hotels



Laundry



Lumber Mill



Meat Processing



Nat. Gas Refineries



Oil Drilling



Pharmaceutical



Polystyrene Foam



Power Generation



Research



Schools



Additional Product Offering



Fully Condensing Hydronic Boilers



Heat Recovery Systems



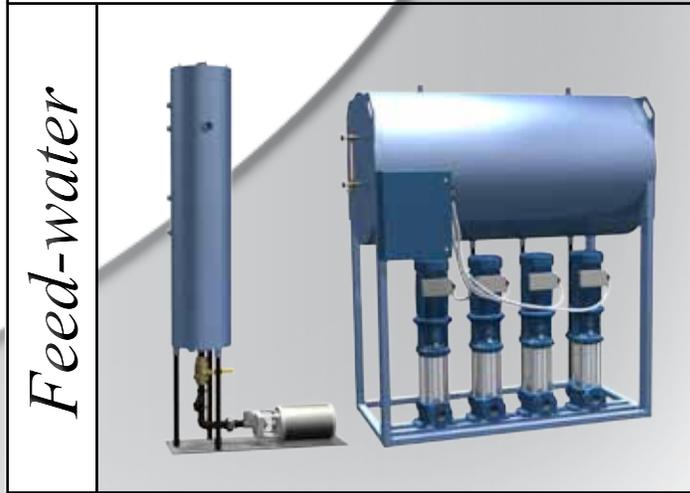
Electric Boilers



4-pass Dry-Back Scotch Marine Boilers



Blow-down Separators



Vertical or Horizontal Feed-water Systems



Your Authorized Williams & Davis Representative



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