

VERTICAL TUBELESS



**UL-CSD-1
Approved
Gas or Oil
Burner**

**No Tubes
to burn out
or stop up**

**NATIONAL BOARD
Registered**

ASME Code

WILLIAMS & DAVIS BOILERS, INC.

972-225-2356
1-800-8BOILER
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www.w-dboilers.com

P.O. BOX 539
HUTCHINS, TX 75141
FAX 972-225-5739

UL Listed
Fuel Train.
CSD-1
Controls

(2) Steel Lifting Eyes

Stack outlet is housed in steel
enclosure which eliminates the
need for stack elbow in installation.

NEMA 1
Control Panel
Mounted and Wired

Blow down
valves piped.

**All units test-fired
at factory before shipping.**





Four (4) 3" x 4" handholes in the boiler for proper clean-out:

(3) located on the base and (1) at the waterline.

Handhole openings are surrounded by 3/8" steel boxes for easy access.

MODEL "A" BOILER FEED SYSTEM

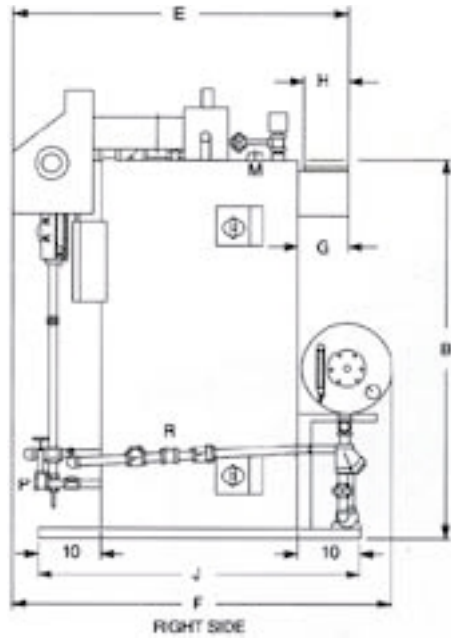
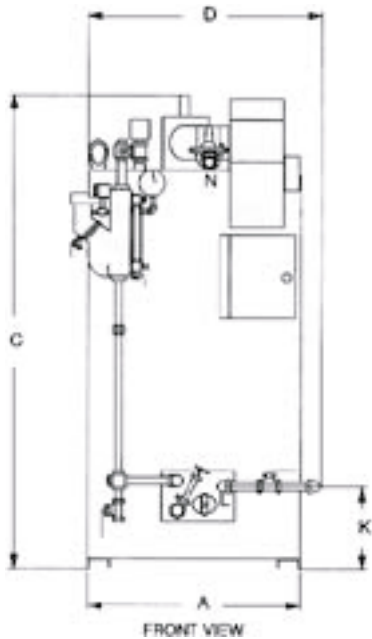
(Separate-Simplex or Duplex)

Heavy steel tank (3/16" min thickness) on stand with properly sized pump. Piping includes check valves, stop valves and strainers. Feed System includes float assembly, thermometer, waterglass set and drain valve.



MODEL "B" FEED SYSTEM

can be supplied as an integral part with the boiler. The heavy steel tank with stand and properly sized pump are welded to the boiler skids providing one complete package. The "B" system is completely wired to boiler control box, pump is piped on suction and discharge.



**Click Here
for information
regarding
BLOW-OFF
SEPARATORS.**

DIMENSIONS ARE IN INCHES. METRIC SHOWN IN RED

Boiler Size		15	20	30	
STEAM OUTPUT	LBS.HR	518	690	1035	
	Kg/hr	235	312	468	
INPUT	BTU/1000	630	840	1260	
	KCAL/1000	159	212	318	
	NO. 2 OIL GPH	4.5	6	9	
MOTOR	HP	1/3	1/3	1/2	
A	BOILER DIAMETER	in.	32	38	44
		cm.	80	95	110
B	BOILER LENGTH	in.	68	68	80
		cm.	170	170	200
C	OVERALL LENGTH w/Burner	in.	83	83	95
		cm.	207.5	207.5	237.5
D	OVERALL WIDTH w/Controls	in.	38	44	50
		cm.	95	110	125
E	OVERALL WIDTH Front to Rear (GAS)	in.	62 1/2	67 1/2	72 1/2
		cm.	156.2	168.7	181.2
F	OVERALL WIDTH w/ Return System	in.	70 1/2	73 1/2	76 1/2
		cm.	176.2	183.7	191.2
G	STACK ENCLOSURE	in.	8 1/2	10 1/2	12 1/2
		cm.	21.2	26.2	31.2
H	STACK DIAMETER	in.	8	10	12
		cm.	20	25	30
J	LENGTH OF SKID	in.	52	58	64
		cm.	130	145	160
K	WATER FEED from floor	in.	13 1/2	14 1/2	15 1/2
		cm.	33.7	36.2	38.7
L	WATER FEED sizes	in.	1 1/2	1 1/2	1 1/2
		cm.	3.7	3.7	3.7
M	STEAM OUTLET	in.	1 1/2	1 1/2	2
		cm.	3.7	3.7	5
N	GAS VALVE SIZE	in.	1	1 1/4	1 1/4
		cm.	2.5	3.1	3.1
P	BLOW-OFF OPENING	in.	1	1	1
		cm.	2.5	2.5	2.5
R	CHEMICAL FEED OPENING	in.	1	1	1
		cm.	2.5	2.5	2.5
ESTIMATED SHIPPING WEIGHT	LBS.	1800	2800	4000	
	Kg.	818	1273	1818	

STANDARD EQUIPMENT:

BOILER AS PICTURED (150 psig ASME-NB)

	GAS	OIL
Pressure Limit Control	X	X
Pump Control and Low Water Cut-Off	X	X
Blower Motor	X	X
Fan and Housing	X	X
Ignition Transformer-Gas, 6000V	X	
Ignition Transformer-Oil, 10,000V		X
Gas Valve, Electric	X	
Gas Cock, Manual	X	
Gas Pressure Regulator	X	
Pilot Solenoid	X	
Pilot Gas Cock, Manual	X	
Pilot Gas Regulator	X	
Pilot w/UV Scanner	X	
Air Flow Switch	X	X
Control Box w/Fuse	X	X
Power On-Off Switch	X	X
Burner On-Off Switch	X	X
Prepurge	X	X
Fireeye	X	X
On-Off Operation	X	X
Auxilliary Low Water CutOff	X	X
Oil Pump		X
Oil Nozzle		X
Safety Relief Valve	X	X
Lifting Hooks	X	X
Inspector's Test Cock	X	X
Steam Gauge	X	X
Blow-Down Valve and Nipple	X	X
Water Glass Set	X	X
4 - 3" x 4" Hand Hole Assemblies	X	X
Factory Fire Testing	X	X
Controls Piped	X	X
Electric Wiring	X	X

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.