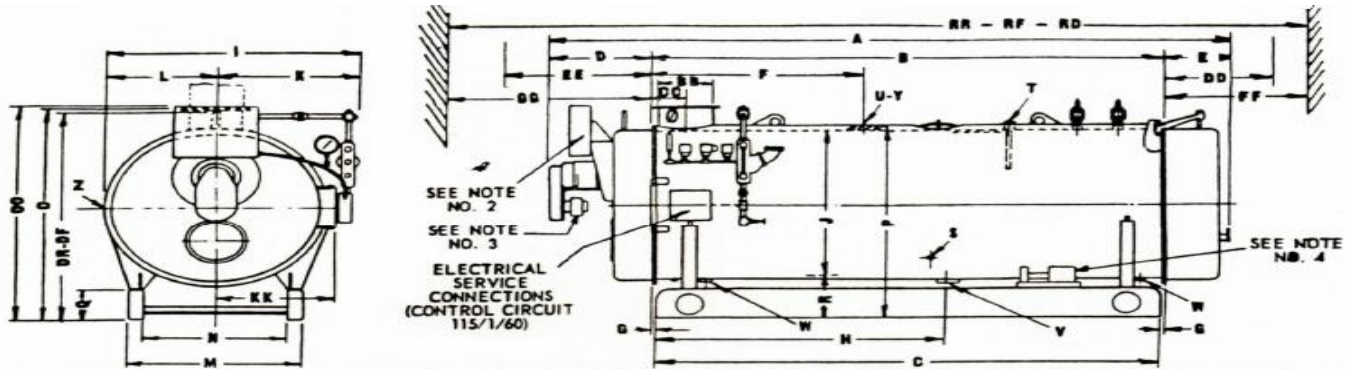




UN CONCEPTO INTEGRAL EN EL  
TRATAMIENTO DE AGUAS INDUSTRIALES  
Agua de Proceso

# BOLETÍN TÉCNICO

## CB STEAM BOILER DIMENSIONS 16 and 160 LB. DESIGN PRESSURE



Boiler Horsepower	Dim.	15	20	30	40	50	60	70	80	100	125	150	200	250	300	350	400	500	600	700	
<b>LENGTHS</b>																					
Overall	A	8'-0"	8'-0"	9'-0"	11'-8"	10'-11"	10'-11"	14'-3"	14'-3"	15'-10"	14'-7"	16'-7"	19'-7"	18'-9"	19'-2"	21'-10"	16'-11"	19'-11"	23'-2"	25'-11"	
Shell	B	5'-3"	5'-3"	6'-9"	8'-11"	7'-8"	7'-8"	10'-11"	10'-11"	12'-6"	10'-5"	12'-5"	15'-0"	12'-0"	14'-3"	16'-9"	12'-8"	15'-6"	18'-6"	21'-3"	
Base Frame	C	4'-11"	4'-11"	6'-5"	8'-7"	7'-7"	7'-7"	10'-10"	10'-10"	12'-4"	10'-4"	12'-4"	14'-11"	11'-11"	14'-2"	16'-8"	12'-7"	15'-5"	18'-5"	21'-2"	
Front Head Extension	D	18"	18"	18"	18"	21"	21"	22"	22"	22"	31"	31"	36"	34"	36"	38"	24"	25"	29"	29"	
Rear Head Extension	E	15"	15"	15"	15"	18"	18"	18"	18"	18"	19"	19"	19"	23"	23"	23"	27"	27"	27"	27"	
Front Ring Flange to nozzle - 15 lb.	F	36"	36"	45"	57"	46"	46"	66"	66"	75"	63"	75"	90"	72"	86"	101"	76"	93"	111"	128"	
Front Ring Flange to nozzle - 150 lb.	G	36"	36"	45"	57"	46"	46"	73"	73"	82"	56"	66"	78"	60"	73"	88"	62"	79"	97"	128"	
Ring Flange to Base	H	2"	2"	2"	2"	1/2"	1/2"	1/2"	1/2"	1"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	
Front Ring Flange to return - 15 lb.	I	-	-	-	-	-	-	-	-	63"	75"	90"	72"	86"	101"	76"	93"	111"	128"	-	
<b>WIDTHS</b>																					
Overall	J	50"	50"	50"	50"	63"	63"	63"	63"	63"	76"	76"	76"	98"	98"	98"	116"	116"	116"	116"	
I. D. Boiler	K	36"	36"	36"	36"	48"	48"	48"	48"	48"	60"	60"	60"	78"	78"	78"	96"	96"	96"	96"	
Center to Water Column	L	30"	30"	30"	30"	36"	36"	36"	36"	36"	43"	43"	43"	56"	56"	56"	65"	65"	65"	65"	
Center to Outside Hinge	KK	22"	22"	22"	22"	29"	29"	29"	29"	29"	35"	35"	35"	49"	49"	49"	62"	62"	62"	62"	
Center to Lugging	M	20"	20"	20"	20"	27"	27"	27"	27"	27"	33"	33"	33"	42"	42"	42"	51"	51"	51"	51"	
Base, Outside	N	29"	29"	29"	29"	36"	36"	36"	36"	51"	51"	51"	64"	64"	64"	72"	72"	72"	72"	72"	
Base, Inside	O	22"	22"	22"	22"	30"	30"	30"	30"	42"	42"	42"	52"	52"	52"	58"	58"	58"	58"	58"	
<b>HEIGHTS</b>																					
Overall	DD	4'-11"	4'-11"	4'-11"	4'-11"	6'-5"	6'-5"	6'-5"	6'-5"	7'-2"	7'-2"	7'-2"	7'-2"	8'-10"	8'-10"	8'-10"	10'-8"	10'-8"	10'-8"	10'-8"	
Base to Vent Outlet	EE	4'-6"	4'-6"	4'-6"	4'-6"	5'-10"	5'-10"	5'-10"	5'-10"	7'-1"	7'-1"	7'-1"	7'-1"	8'-10"	8'-10"	8'-10"	10'-8"	10'-8"	10'-8"	10'-8"	
Base to Steam Outlet	FF	4'-1"	4'-1"	4'-1"	4'-1"	5'-6"	5'-6"	5'-6"	5'-6"	6'-5"	6'-5"	6'-5"	6'-5"	8'-0"	8'-0"	8'-0"	9'-10"	9'-10"	9'-10"	9'-10"	
David (Front)	GG	-	-	-	-	-	-	-	-	-	-	-	-	8'-8"	8'-8"	8'-8"	10'-7"	10'-7"	10'-7"	10'-7"	
David (Rear)	HH	-	-	-	-	-	-	-	-	-	-	-	-	8'-8"	8'-8"	8'-8"	10'-7"	10'-7"	10'-7"	10'-7"	
Height of Base of Boiler	II	9"	9"	9"	9"	12"	12"	12"	12"	12"	12"	12"	12"	11"	11"	11"	18"	18"	18"	18"	
Base to Bottom	JJ	12"	12"	12"	12"	16"	16"	16"	16"	16"	16"	16"	16"	17"	17"	17"	21"	21"	21"	21"	
<b>BOILER CONNECTIONS</b>																					
Feedwater, Right and Left	ZZ	1"	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	
Auxiliary Connection	AAA	1"	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	
Low Pressure (15 lb only)	UUU	4"	4"	4"	6" Fl. 1"	6" Fl. 1"	6" Fl. 1"	6" Fl. 1"	6" Fl. 1"	8" Fl. 1"	8" Fl. 1"	8" Fl. 1"	10" Fl. 1"	10" Fl. 1"	12" Fl. 1"	12" Fl. 1"	12" Fl. 1"	12" Fl. 1"	12" Fl. 1"	12" Fl. 1"	
Return	VVV	4"	4"	4"	6" Fl. 1"	6" Fl. 1"	6" Fl. 1"	6" Fl. 1"	6" Fl. 1"	8" Fl. 1"	8" Fl. 1"	8" Fl. 1"	10" Fl. 1"	10" Fl. 1"	12" Fl. 1"	12" Fl. 1"	12" Fl. 1"	12" Fl. 1"	12" Fl. 1"	12" Fl. 1"	
Draw, Front and Rear	WWW	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	
High Pressure (150 lb only)	TTT	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	
Surface Blowoff, Top	YYY	1 1/2"	1 1/2"	2"	2"	3"	3"	3"	3"	4" Fl. 5"	4" Fl. 5"	4" Fl. 5"	4" Fl. 5"	6" Fl. 5"	6" Fl. 5"	6" Fl. 5"	6" Fl. 5"	6" Fl. 5"	6" Fl. 5"	6" Fl. 5"	
Steam Nozzle	ZZZ	1"	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	
Blowdown, Front and Rear	AAA	1"	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	
<b>VENT STACK</b>																					
Diameter (rigid connection)	BBB	6"	6"	8"	8"	10"	10"	12"	12"	12"	16"	16"	16"	20"	20"	20"	24"	24"	24"	24"	
Front Ring Flange to Vent	CCC	4"	4"	5"	5"	6"	6"	7"	7"	7"	9"	9"	9"	11"	11"	11"	13"	13"	13"	13"	
<b>MIN. CLEARANCES *</b>																					
Rear Door Swing	DDD	3'-8"	3'-8"	3'-8"	3'-8"	4'-7"	4'-7"	4'-7"	4'-7"	4'-7"	5'-7"	5'-7"	5'-7"	5'-7"	5'-7"	5'-7"	6'-5"	6'-5"	6'-5"	6'-5"	
Front Door Swing	EEE	3'-8"	3'-8"	3'-8"	3'-8"	4'-7"	4'-7"	4'-7"	4'-7"	4'-7"	5'-7"	5'-7"	5'-7"	5'-7"	5'-7"	5'-7"	6'-5"	6'-5"	6'-5"	6'-5"	
Tube Removal, Rear	FFF	4'-8"	4'-8"	4'-8"	4'-8"	7'-0"	7'-0"	7'-0"	7'-0"	7'-0"	10'-3"	10'-3"	11'-10"	11'-10"	13'-1"	15'-7"	11'-3"	14'-1"	17'-1"	19'-10"	
Tube Removal, Front	GGG	3'-10"	3'-10"	3'-10"	3'-10"	6'-2"	6'-2"	6'-2"	6'-2"	6'-2"	9'-5"	9'-5"	11'-0"	11'-0"	13'-2"	14'-4"	9'-9"	12'-7"	15'-7"	18'-4"	
<b>MINIMUM BOILER ROOM LENGTH ALLOWING FOR DOOR SWING AND TUBE REMOVAL FROM:</b>																					
Rear of Boiler	RRR	13'-7"	13'-7"	16'-7"	20'-11"	19'-3"	19'-3"	25'-9"	25'-9"	28'-11"	25'-7"	29'-7"	34'-9"	30'-4"	34'-9"	39'-9"	32'-11"	38'-7"	44'-7"	50'-1"	
Front of Boiler	RF	12'-9"	12'-9"	15'-9"	20'-1"	18'-5"	18'-5"	24'-11"	24'-11"	28'-1"	21'-8"	25'-8"	30'-10"	25'-3"	29'-8"	34'-8"	26'-10"	32'-6"	38'-6"	44'-0"	
Thru Window or Doorway	RD	12'-7"	12'-7"	14'-1"	16'-3"	16'-10"	16'-10"	20'-1"	20'-1"	21'-8"	18'-8"	20'-8"	23'-3"	22'-11"	25'-2"	27'-8"	26'-1"	28'-11"	31'-11"	34'-8"	
<b>WEIGHT IN LBS.</b>																					
Normal Water Capacity		1,340	1,300	1,710	2,290	3,130	2,920	4,620	4,460	5,080	5,750	7,250	8,625	10,670	13,000	15,465	15,340	19,300	23,425	27,790	
Approx. Ship Wgt. - 15 lb.		2,950	3,050	3,600	4,250	6,650	6,750	7,900	8,000	8,800	11,750	12,650	14,850	21,300	23,600	26,800	33,000	38,000	43,400	50,600	
Approx. Ship Wgt. - 150 lb.		3,050	3,150	3,750	4,400	6,750	6,900	8,600	8,800	9,300	12,400	13,500	15,900	22,700	25,400	28,000	36,000	41,000	46,300	53,300	
Approx. Ship Wgt. - 200 lb.		3,250	3,350	4,050	4,700	7,150	7,300	9,100	9,300	9,800	13,000	14,200	16,700	24,500	27,400	29,600	37,800	43,500	49,800	57,000	

Note 1: Accompanying dimensions, while sufficiently accurate for layout purposes, must be confirmed for construction by certified dimension prints.  
 Note 2: Control panel relocated on boilers 250 hp and up.  
 Note 3: Air compressor belt driven from blower motor on sizes 15 through 40 HP and 125 through 350 HP.  
 Note 4: Air compressor module on sizes 50 through 100 HP and 400 through 700 HP.  
 \* See back page for boilers equipped with davits.

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