

## BOILER BLOW-OFF



### PURPOSE

Blow-off Tanks are used between a boiler and sewer for the purpose of reducing the pressure and temperature of the blow-off substance entering the sewer.

## BIDE SERIES

HEAVY-DUTY  
BLOW-OFF  
TANKS

LARGE CAPACITY  
TO CSA SPECIFICATION

■ CANADA'S BOILER MAKER ■

# BDT BLOW-OFF TANK SERIES

## DESIGN

Blow-off tanks are designed to CSA B51 Section 7.5.1.2, ASME Code Section VIII and provincial regulations. Data reports are issued.

## TESTING

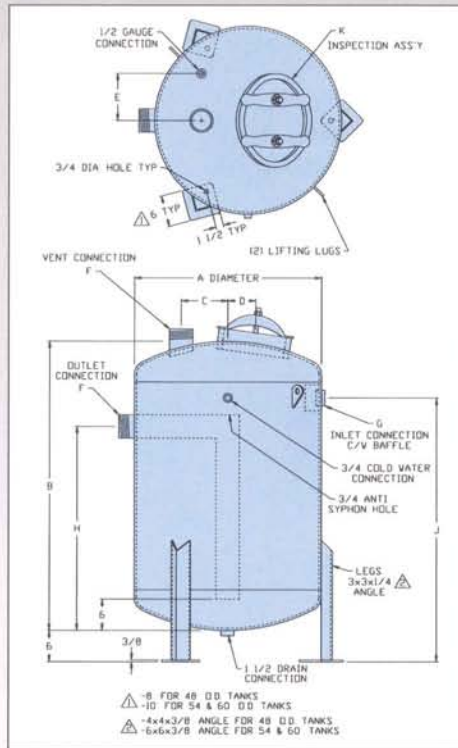
All tanks are hydrostatically tested to one and a half times their design pressure. These tests are viewed by the inspectors of the Provincial Inspection Department, and the tanks are stamped to provincial requirements.

## CUSTOM TANKS

Tanks are also available in horizontal or custom configurations.

## OPTIONAL EQUIPMENT

- Temperature limit control connections
- Additional openings or changes in location of existing openings
- Pressure gauge
- Cold water valve
- Drain valve
- Thermometer
- Thermometer connections
- Water gauge connections
- Water gauge



## STANDARD EQUIPMENT

- Legs and leg pads c/w 3/4 inch anchor holes
- Lifting lugs
- Anti-siphon on water seal
- Inlet baffle
- Inspection and cleaning opening c/w positive seal gasket
- Pressure gauge connection
- Cold water connection
- Extra large vent connection to ensure stability of water seal
- Extra large outlet connection to minimize water rise in tank
- Extra heavy threaded connections
- Drain welded flush on tank interior
- 1/8 inch corrosion allowance
- 3/8 inch minimum tank wall construction
- High temperature finish c/w clearcoat

## CAPACITIES AND DIMENSIONS

CERTIFIED DIMENSIONS. SPECIFICATIONS AND DRAWINGS ARE AVAILABLE ON REQUEST

MODEL No.	TANK DESIGN PRESSURE P.S.I.G.	MAX BOILER DESIGN PRESSURE P.S.I.G.	BOILER MAX OUTPUT LBS/HR F&A 212°F	BOILER APPROX HORSE POWER F&A 212°F	WEIGHT LBS	CAP FULL U.S. GAL.	CAP FULL IMP. GAL.	CAP FULL CU. FT.	DD IN	DL IN						OUTLET AND VENT F NPT	IN LET G NPT	HEIGHT TO OUTLET H IN	HEIGHT TO INLET J IN	MAN HOLE K IN
<b>FIRE TUBE - WATER TUBE SERIES</b>																				
BDT18A	100	NONE	750	UP TO 20	290	26	22	3.5	18	30	4	3	5	3	3	1.5	20	29	4x6	
BDT24A	100	NONE	1500	20-40	470	60	50	8.0	24	36	7	2.5	6	3	1.5	24	33	4x6		
BDT30A	100	NONE	3000	40-85	700	112	94	15.0	30	48	7	5	8	4	2	35	44			
BDT36A	100	NONE	7000	85-200	800	150	125	20.0	36	46	9	5	9	4	2	32	41			
BDT36B	100	NONE	13000	200-375	940	187	156	25.0	36	56	9	5	9	4	2	42	51			
BDT42A	90	300	25000	375-720	1140	300	250	40.0	42	60	9	5	9	4	2	45	54			
BDT42AH	100	NONE	25000	375-720	1200	300	250	40.0	42	60	9	5	9	4	2	45	54			
BDT48A	90	300	100000	720-2900	1440	449	374	60.0	48	68	10	8	9	4	2	51	60			
BDT48AH	100	NONE	100000	720-2900	1520	449	374	60.0	48	68	10	8	9	4	2	51	60			
BDT48B	90	300	300000	---	1780	599	499	80.0	48	88	10	8	9	4	2	71	80			
BDT48BH	100	NONE	300000	---	1860	599	499	80.0	48	88	10	8	9	4	2	71	80			
BDT48C	90	300	500000	---	2110	748	623	100.0	48	108	10	8	9	4	2	91	100			
BDT48CH	100	NONE	500000	---	2200	748	623	100.0	48	108	10	8	9	4	2	91	100			
BDT54A	100	NONE	1000000	---	2850	975	810	130.0	54	112	11	10	10	5	2	96	105			
BDT54B	100	NONE	1500000	---	3340	1200	997	160.0	54	135	11	10	10	5	2	119	128			
BDT60D	100	NONE	2000000	---	3950	1495	1246	200.0	60	137	11	10	10	5	2	120	129			
<b>COILED TUBE SERIES</b>																				
BDT18CT	100	NONE	3500	UP TO 100	250	24	20	3.2	18	24	4	3	5	3	1.5	20	29	4x6		
BDT24CT	100	NONE	8700	100-250	420	52	43	7.0	24	30	7	2.5	6	3	1.5	24	33	4x6		
BDT36CT	100	NONE	OVER 8700	250 & UP	640	98	82	13.1	30	36	7	5	8	4	2	35	44	12x16		

ASME - 11 x 15  
CSA B51 - 12 x 16

Represented by:

**BOILERSMITHS**  
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