

# BOILER BLOWDOWN TANK

**GRAND Boiler Blowoff Tanks** are utilized to reduce temperature and pressure of the blowdown discharged from a boiler. It is unlawful, and in all cases it is undesirable to discharge the boiler blowdown directly to a sanitary sewer. It is recommended that blowdown temperature and pressure be reduced to 150° F maximum and 5 psig maximum respectively prior to final release.

**Blowdown** is piped directly from the boiler to the upper part of the blowoff tank. The vented condition in the blowoff tank permits the blowdown to flash into steam and dissipate to the atmosphere. The remaining saturated water is mixed with cooling water in the lower half of the blowoff tank and passes from the tank through the trapped outlet.

## CONSTRUCTION

- Grade ASTM A 516 Carbon Steel Construction
- A tangential inlet that imparts a swirling action to the incoming blowdown, an internal wear plate to increase tank life.
- Design and constructed as per ASME section VIII, division 1
- Exterior finish antirust red oxide
- Maximum Design Temperature: 450°F
- Maximum Design Pressure: 150 PSIG

## SELECTION

It is recommended that the blowdown tank have a volume equal to twice the volume of boiler water discharged during blowdown when the boiler water level is lowered 4" minimum.

## SPECIFICATION



Model	Tank Volume US Gallon	Tank Dia	Tank Height	Connection in inch			
				A	B	C	D
<b>GBDT-50</b>	50	14"	66"	¾"	1"	2"	2½"
<b>GBDT-50</b>	50	14"	66"	1"	1¼"	3"	3"
<b>GBDT-100</b>	100	20"	72"	1¼"	1½"	3"	4"
<b>GBDT-140</b>	140	24"	72"	1½"	2"	4"	5"
<b>GBDT-240</b>	220	30"	72"	2"	2½"	5"	5"