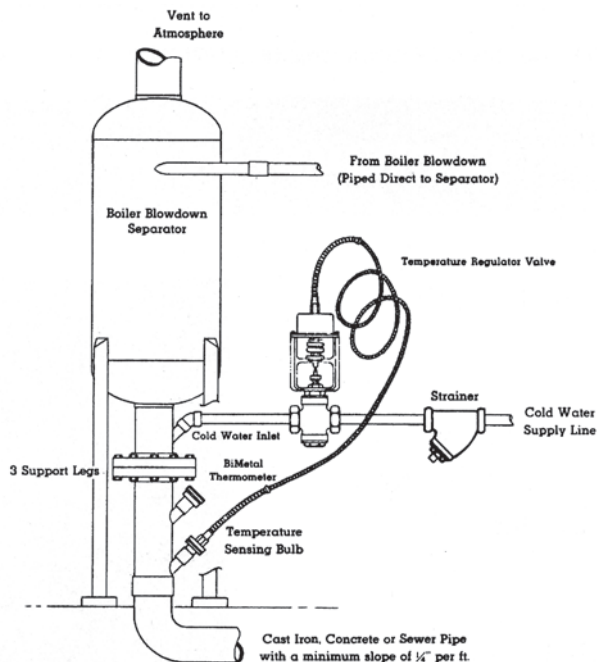
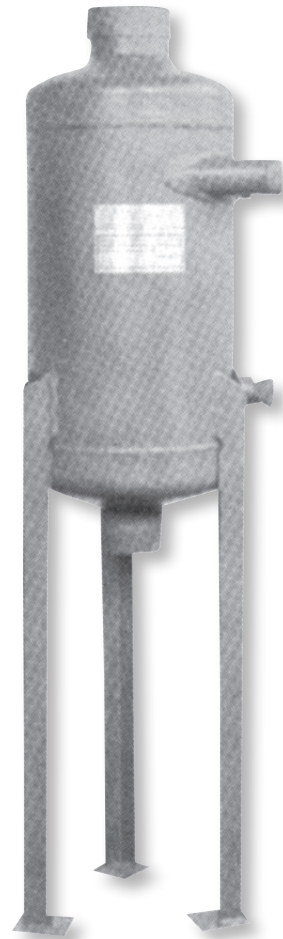


Bottom Blowdown Separator

- Eliminate precipitated solids from the bottom of the boiler.
- Cools blowdown to 140°F or below before dumping to drain by introducing cooling water via an aftercooler.
- ASME Section VIII "UE" stamped separator ("U" stamp available as option).
- Sized to accommodate flow based on boiler blowdown line size and boiler operating pressure.
- Model Range:
14" diameter x 22" through 56" in height for standard boilers.
(10" diameter x 14" high option available for boilers under 1000 #/hour).
- Modular configuration to meet customer requirements includes: separator, legs (or wall bracket), aftercooler, temperature regulating valve and thermometer.
- Can be custom configured to meet customer requirements.
- Stainless steel striking plate standard and internal steel restrictor plates standard.
- Multiple separators with manifold for high pressure applications available.



Bottom Blowdown Separator

Chart A—Boiler Blowdown Separators

BLOWDOWN VALVE SIZE SEPARATOR ▶	* 1"				1-1/4"				1-1/2"				2"				2-1/2"				3"			
DIMENSIONS ▶	H	I	D	V	H	I	D	V	H	I	D	V	H	I	D	V	H	I	D	V	H	I	D	V
BOILER OPERATING PRESSURE ▼																								
0 – 15	14	1	2	2-1/2	20	1-1/4	3	4	20	1-1/2	3	4	20	2	4	5	34	2-1/2	5	6	34	3	6	5
16 – 50	20	1	2	2-1/2	20	1-1/4	3	4	34	1-1/2	3	4	34	2	4	5	34	2-1/2	5	6	34	3	6	5
51 – 100	20	1	3	2-1/2	34	1-1/4	4	4	34	1-1/2	4	4	34	2	5	5	34	2-1/2	6	6	34	3	8	6
101 – 125	34	1	3	3	34	1-1/4	4	4	34	1-1/2	4	4	34	2	5	5	56	2-1/2	6	6	–	–	–	–
126 – 150	34	1	3	3	34	1-1/4	4	4	34	1-1/2	4	5	56	2	5	6	56	2-1/2	6	6	–	–	–	–
151 – 175	34	1	3	4	34	1-1/4	4	4	34	1-1/2	4	5	56	2	5	6	56	2-1/2	6	8	–	–	–	–
176 – 200	34	1	3	4	34	1-1/4	4	5	56	1-1/2	5	5	56	2	6	6	56	2-1/2	6	8	–	–	–	–
201 – 225	34	1	4	4	56	1-1/4	4	5	56	1-1/2	5	5	56	2	6	6	56	2-1/2	8	8	–	–	–	–
** 226 – 300	56	1	4	4	56	1-1/4	4	5	56	1-1/2	5	6	56	2	6	6	56	2-1/2	8	8	–	–	–	–

* Miniature Boilers: 1/2" – 1" Blowdown Valve up to 1000 #/hour. Blowdown use 14" high, 1" Inlet, 2" Drain, 2-1/2" Vent.

** 251 – 300 PSIG required.

U Symbol Construction and Stamping. See price sheet for adder.

Chart B—Cooling Water Line & Valve Size

SEPARATOR INLET SIZE ▶	1"			1-1/4"			1-1/2"			2"			2-1/2"			3"		
COOLING WATER PRESSURE (PSI) ▶	40#	60#	80#	40#	60#	80#	40#	60#	80#	40#	60#	80#	40#	60#	80#	40#	60#	80#
BOILER OPERATING PRESSURE ▼																		
0 – 50	1/2	1/2	1/2	1	1	3/4	1-1/4	1	1	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2	1-1/4	2	2	2
51 – 100	1	3/4	3/4	1	1	1	1-1/4	1-1/4	1	1-1/2	1-1/4	1-1/4	2	2	2	2-1/2	2-1/2	2
101 – 125	1	3/4	3/4	1-1/4	1	1	1-1/4	1-1/4	1-1/4	2	1-1/2	1-1/4	2	2	2	2-1/2	2-1/2	2-1/2
126 – 175	1	1	1	1-1/4	1-1/4	1	1-1/4	1-1/4	1-1/4	2	2	1-1/2	2-1/2	2	2	2-1/2	2-1/2	2-1/2
176 – 225	1	1	1	1-1/4	1-1/4	1-1/4	1-1/2	1-1/4	1-1/4	2	2	2	2-1/2	2	2	3	2-1/2	2-1/2
226 – 250	1-1/4	1-1/4	1	1-1/4	1-1/4	1-1/4	1-1/2	1-1/4	1-1/4	2	2	2	2-1/2	2	2	3	2-1/2	2-1/2
251 – 300	1-1/4	1-1/4	1	1-1/4	1-1/4	1-1/4	1-1/2	1-1/4	1-1/4	2	2	2	2-1/2	2-1/2	2	3	3	2-1/2
0 – 50	3/4	1/2	1/2	1	1	1	1	1	1	1-1/4	1-1/4	1-1/4	2	1-1/2	1-1/2	2-1/2	2	2
51 – 100	1	3/4	3/4	1-1/4	1	1	1-1/4	1-1/4	1-1/4	2	1-1/2	1-1/4	2	2	2	2-1/2	2-1/2	2
101 – 125	1	1	3/4	1-1/4	1-1/4	1	1-1/4	1-1/4	1-1/4	2	2	1-1/2	2-1/2	2	2	2-1/2	2-1/2	2-1/2
126 – 175	1	1	1	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	2	2	2	2-1/2	2	2	3	2-1/2	2-1/2
176 – 225	1	1	1	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	2	2	2	2-1/2	2-1/2	2	4	3	2-1/2
226 – 250	1-1/4	1-1/4	1	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	2-1/2	2	2	2-1/2	2-1/2	2	4	3	2-1/2
251 – 300	1-1/4	1-1/4	1-1/4	1-1/2	1-1/4	1	1-1/2	1-1/2	1-1/2	2-1/2	2	2	2-1/2	2-1/2	2-1/2	4	3	2-1/2



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