

## BLOWDOWN SEPARATORS PRODUCT GUIDE

Model No. *	Plate Thickness			Weight (Lbs)			Volume Cu. Ft.
	5/16"	3/8"	1/2"	5/16"	3/8"	1/2"	
A14B	Yes	N/A	N/A	85	N/A	N/A	0.81
A20B	Yes	Yes	Yes	115	130	210	1.53
A34B	Yes	Yes	Yes	155	185	235	2.66
A56B	Yes	Yes	Yes	270	340	490	4.98

\*See Brochure #CBA 324-R5 for sizing chart

NOTE:

National Board stamping and "U" symbol or CRN (Canadian). Available at extra cost. See price list.

Standard Units built to ASME Code and Stamped for 250 PSIG, and Hydro tested at 375 psig

Above units supplied with screwed connections and exterior CB-Blue Paint.

Specify Model #, inlet size, drain size, vent size and plate thickness when ordering.

*BLOWDOWN SEPARATORS (CODE E)***SPECIAL STATE REGULATIONS**

<b>Arkansas</b>	Require Minimum 3/8" Plate Thickness and Pressure Gauge Connection.
<b>District of Columbia</b>	Requires Min. 3/8" Plate Thickness.
<b>Kansas</b>	All pressure vessels installed after January 1, 1999 regardless of code construction shall be registered with the National Board. Add for "U" stamp and registration.
<b>Kentucky</b>	Requires Minimum 3/8" Plate Thickness. "U" Symbol Stamped and Registered with National Board. Requires a Pressure Gauge. Separators and tanks should be rated and stamped for the boiler design pressure.
<b>Michigan</b>	Requires "U" Symbol Stamped and Registered with National Board. A pressure gauge connection is required. Separators cannot be used on boilers with a design pressure over 300 psig. Tanks should be sized according to their sizing table.
<b>Nevada</b>	Requires "U" Symbol Stamped and Registered with National Board.
<b>North Dakota</b>	All Pressure Vessels regardless of construction are required to be registered with National Board.
<b>New Jersey</b>	Separators cannot be used unless drain water then goes to a holding tank, pit, or sump.
<b>Canada</b>	All provinces require "U" Symbol Stamped and Registered with National Board. Must also be Registered with a CRN Canadian Registration Number for the Province of installation. Min. 3/8" plate thickness except the Province of Ontario which allows 5/16" min thickness. Aftercooler and TRV required on each unit.  A Corrosion allowance 1/8" thk. is required.  Blowdown Separators are not acceptable in Provinces of Quebec and New Brunswick. CSA B51-03 sized Blowoff Tanks must be used.  British Columbia – ½" Thick heads and shell on Blowdown Separators and Blowoff Tanks. This is to meet 3/8" Minimum plate thickness of pipe and heads after forming.

**BLOWDOWN SEPARATORS (CODE E)**

**BLOWDOWN SEPARATOR ACCESSORIES**

FLANGES FOR SEPARATOR DRAIN, INLET, AND VENT FLANGES FOR AFTERCOOLER

**NOTE!!!** Must be purchased along with a separator order.

Note: For 300 psig flanged Separator Inlet, Drain, and Vent, use 300 psig flanged aftercooler. (Qty: 3 for Inlet, Drain, Vent. / Qty: 2 for Aftercooler Inlet & Outlet)

Add flange weight to separator weight.

When 150 lb. flanges are specified, Separator will be stamped 150 psig. When 300 lb. Flanges are specified, Separator will be stamped 250 psig. If "U" symbol specified, Separator will be stamped 300 psig.

Drain Size	2"	3"	4"	5"	6"	8"
150 lbs.	Yes	Yes	Yes	Yes	Yes	Yes
Weight (lbs)	15	24	39	45	57	90
300 lbs.	Yes	Yes	Yes	Yes	Yes	Yes
Weight (lbs)	21	39	66	84	117	174

**DRAIN TEMPERING FITTINGS - AFTERCOOLERS**

	2"	3"	4"	5"	6"	8"
5D-4" Lg x	Yes	Yes	Yes	Yes	Yes	Yes
Weight (lbs)	5	9	10	10	12	20
16DS-20"	Yes	Yes	Yes	Yes	Yes	Yes
Weight (lbs)	7	14	21	22	34	40
18DF-18" Lg	Yes	Yes	Yes	Yes	Yes	Yes
Weight (lbs)	20	30	45	55	75	92
20AO-20"	Yes	Yes	Yes	Yes	Yes	Yes
Weight (lbs)	18	22	25	35	45	65

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**BLOWDOWN SEPARATOR ACCESSORIES**

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**TEMPERATURE REGULATOR VALVES**

NOTE: Maximum Cooling Water Pressure 60 psig

Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
Weight (lbs)	5	6	10	12	18	27	32

**STRAINER, C.I.Y. TYPE: .045 SCREEN**

Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
Weight (lbs)	2	3	5	6	11	16	26

**SOLENOID VALVE AND THERMOSTAT**

Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
Weight (lbs)	3	4	6	7	10	15	30

THERMOMETER      2" Dial, 6" Stem, Bimetal Thermometer for Model 16, 18 and 20 Aftercoolers

PRESSURE GAUGE    3-1/2" Dial with 1/4" syphon

FLOOR SUPPORTS (40 lbs.)    3 angle legs with floor pads to raise Separator 18" above floor.

WALL BRACKETS      Model 14, 20 and 34 (40 lbs.)  
 Model 56 (50 lbs.)



*EXHAUST HEADS (CODE E)*

Model No.	Weight (Lbs)	
	Beveled	Flanged
ACC-EXP-	Inlet	Inlet
10-2	80	85
10-2- 1/2	85	90
10-3	90	95
10-4	95	105
14-5	125	140
14-6	135	160
20-8	280	310
20-10	290	330
24-12	420	485
24-14	450	525

1. Select proper exhaust head by vent size of blowdown separator.
2. Flanges are 150 lb. raised face ASTM A105.
3. Material of construction: Heads 10-20 carbon steel, shell SA53B
4. Finish is rust resistant primer exterior.
5. Beveled inlet is for butt welded seam.
6. All units are shipped F.O.B. Brookville, PA

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**INLAND FREIGHT & EXPORT PACKING AVAILABLE. SEE PRICE LIST.**