

# AB-BDS<sup>SERIES</sup>

## BLOWDOWN SEPARATORS

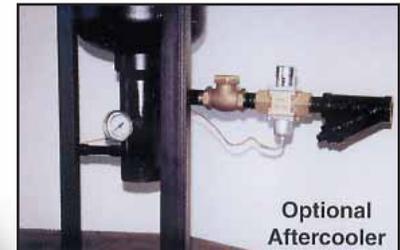


& SUPPLY INC.

## BLOWDOWN WASTE MANAGEMENT



Designed, constructed and stamped in accordance with the requirements of the ASME Codes.



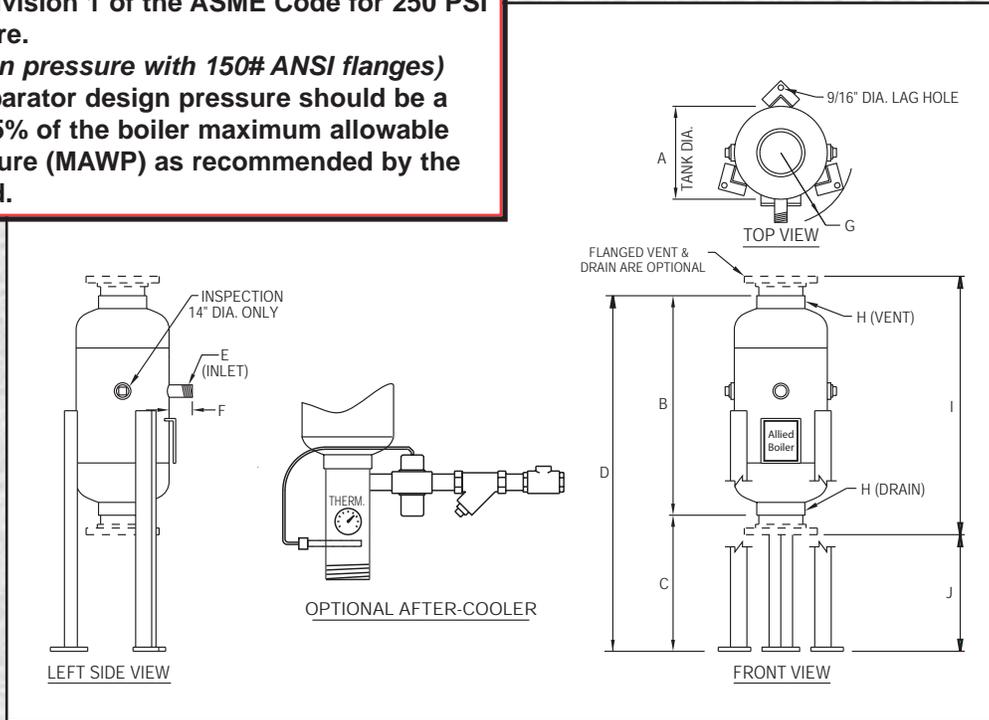
Optional Aftercooler



The “**AB-BDS**” Blowdown Separator is designed to take water from the boiler during blowdown and reduce it to atmospheric pressure for disposal. The “**AB-BDS**” Separator accomplishes this by separating the subsequent flashed steam from the hot water. As the blowdown enters the vessel, it is forced into a centrifugal pattern by means of a striking plate. The steam is vented to the atmosphere through a top connection. The “**AB-BDS**” Separator is built as per requirements, Section VIII of the ASME Code and stamped by the National Board of Pressure Vessel Inspectors. The “**AB-BDS**” Blowdown Separator provides an economical means of safe boiler blowdown.

The separator includes a structural steel support stand for mounting to a foundation. Options available are aftercooler, manual cooling valve assembly, automatic cooling valve assembly, and exhaust heads.

**AB-BDS BLOWDOWN SEPARATORS** are built to Section VIII, Division 1 of the ASME Code for 250 PSI design pressure.  
 (200 PSI design pressure with 150# ANSI flanges)  
 Blowdown separator design pressure should be a minimum of 25% of the boiler maximum allowable working pressure (MAWP) as recommended by the National Board.



### SPECIFICATIONS

(ALL DIMENSIONS ARE IN INCHES)

### THREADED VENT & DRAIN STANDARD, FLANGED OPTIONAL.

DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE, CERTIFIED DRAWINGS AVAILABLE UPON REQUEST

	BOILER TAIL PIPE DIMENSION	3/4 - 1 1/4 ECONOMY	3/4 - 1 1/2 BLOWDOWN	1 1/14 BLOWDOWN	1 1/2 - 2 BLOWDOWN	2 - 2 1/2 BLOWDOWN
BDS. MODEL NUMBER		BDS8 (SEE NOTE 1)	BD14X24	BD14X34	BD14X34A	BD14X56
<b>A</b>	TANK DIAMETER	8	14	14	14	14
<b>B</b>	LENGTH	26	24	34	34	56
<b>C</b>	DRAIN TO FLOOR	16	24	24	24	24
<b>D</b>	OVERALL HEIGHT	42	48	60	58 1/4	80
<b>E</b>	INLET SIZE	1 1/4	1 1/2	1 1/4	2	2 1/2
<b>F</b>	INLET LENGTH	3	3 1/2	3 1/2	3 1/2	3 1/2
<b>G</b>	OVERALL RADIUS	7 1/2	10 7/8	10 7/8	10 7/8	10 7/8
<b>H</b>	VENT & DRAIN	2 1/2	2 1/2	3	4	6
<b>I</b>	LENGTH W/FLG.	32 1/2	30 1/2	40	40	62
<b>J</b>	FLANGE TO FLOOR	13	21	21	21	21
	WEIGHT NET/SHIPPING LBS.	80/100	180/200	250/275	250/275	355/395

NOTE: 8" DIAMETER SEPARATORS ARE DESIGNED FOR BOILERS NEEDING SHORT DURATION BLOWDOWN ONLY. (SUCH AS VERTICAL TUBELESS BOILERS)

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## The Spirit of Service

[alliedboiler.com](http://alliedboiler.com)



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