



HURST

BOILER & WELDING CO., INC.

HURST SERIES BDS FLASH SEPARATORS

SAFELY SEPERATES
Steam Vapor from Boiler Blow-off Water



The *HBC Blowdown Separator* is designed to take water from the boiler during blowdown and reduce it to atmospheric pressure for disposal. The HBC 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 HBC Separator is built as per requirements Section VIII of the ASME Code and stamped by the National Board of Pressure Vessel Inspectors. The Hurst Blowdown Separator provides an economical means of safe boiler blowdown.

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

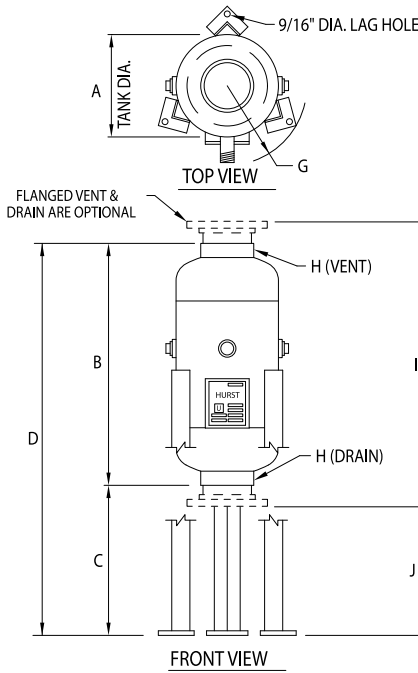
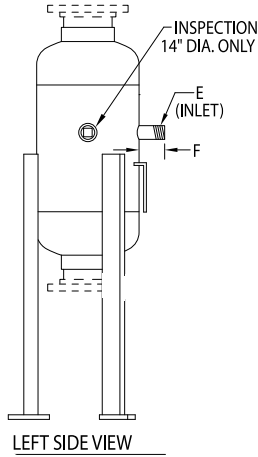
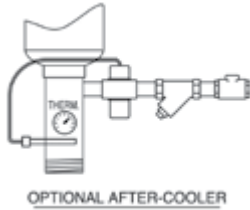


HURST PERFORMANCE SERIES BOILERS

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HURST 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.



Inspected and registered with the National Board of Boiler & Pressure Vessel Inspectors.



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

SPECIFICATIONS

SIZE		3/4"-1 1/4" ECONOMY	1 1/4" BLOWDOWN	1 1/2"-2" BLOWDOWN	2"-2 1/2" BLOWDOWN
MODEL NUMBER		BDS8 <small>SEE NOTE 1</small>	BD14X34	BD14X34-A	BD14X56
A TANK DIAMETER	IN	8	14	14	14
B LENGTH	IN	26	34 3/4	32 3/4	54 1/4
C DRAIN TO GROUND	IN	16	23	24	24
D OVERALL HEIGHT	IN	42	57 3/4	56 3/4	80
E INLET SIZE	IN	1 1/4	1 1/4	2	2 1/2
F INLET LENGTH	IN	3	4 1/2	3 1/2	3 1/2
G OVERALL RAD.	IN	7 1/2	10 7/8	10 7/8	10 7/8
H VENT & DRAIN	IN	2 1/2	3	4	6
I LENGTH W/ FLANGE	IN	32 1/2	40 3/4	38 3/4	60 1/4
J FLANGE TO GROUND	IN	13	20	21	21
APPROX. NET SHIPPING WEIGHT	LBS	80/100	227/257	225/255	355/395



NOTE 1: 8" DIAMETER SEPARATORS ARE DESIGNED FOR BOILERS NEEDING SHORT DURATION BLOWDOWN ONLY, SUCH AS VERTICAL TUBELESS BOILERS.

Dimensions subject to change without notice; Certified drawings available upon request. All dimensions are in inches.

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hurstboiler.com

HURST BOILER
& Welding Co., Inc.

100 Boilermaker Lane • Coolidge, GA 31738-0530
Tel: (229) 346-3545 • Fax: (229) 346-3874
email: info@hurstboiler.com