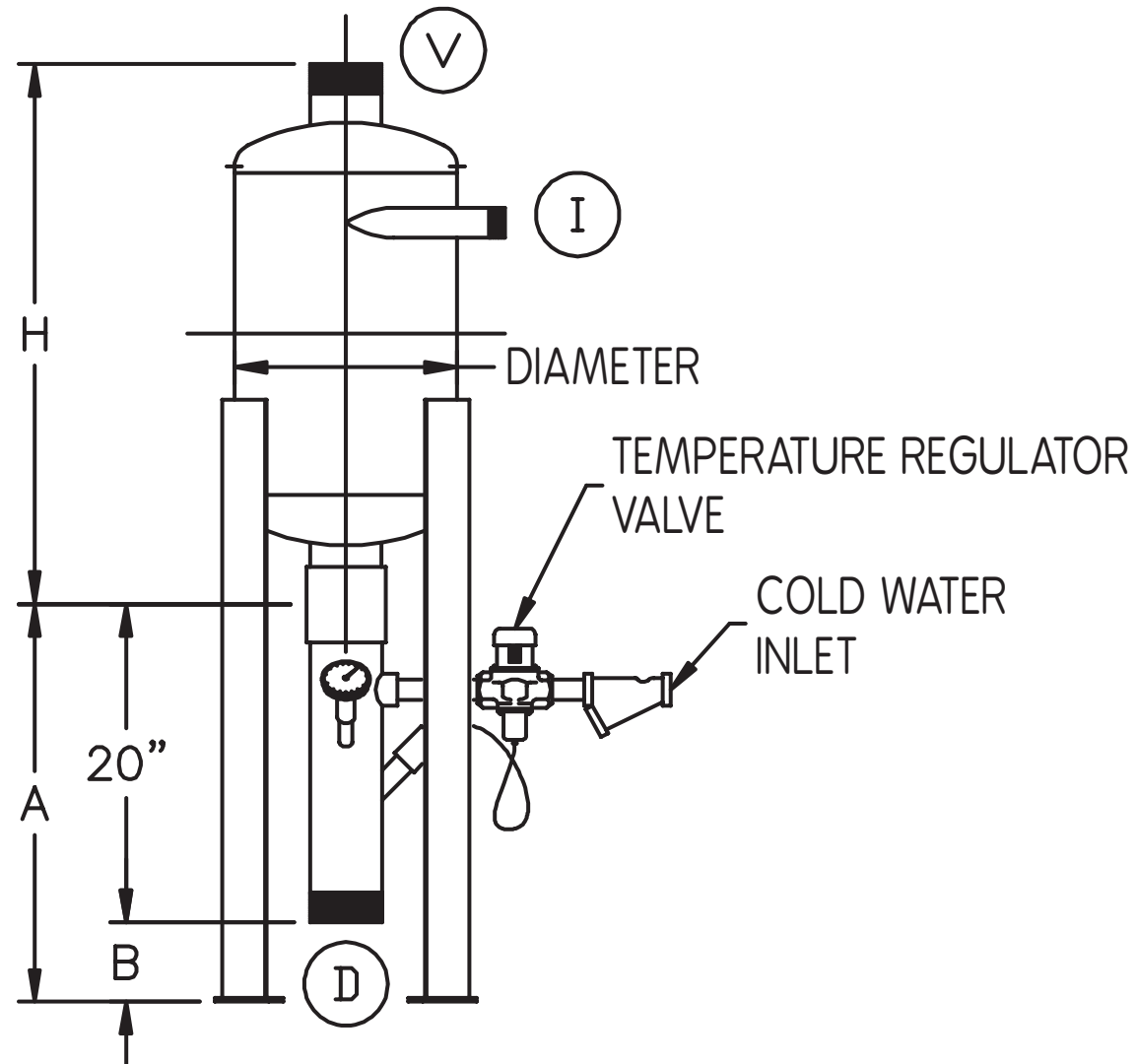


DIMENSION DATA

LOCKWOOD BLOWDOWN SEPARATOR



BLOWDOWN SEPARATOR SIZE		
MODE	DIAMETER	HEIGHT
BDS20	14"	22"
BDS34	14"	34"
BDS56	14"	56"

CONNECTIONS SIZES PER SELECTOR CHART		
"I" INLET	"D" DRAIN	"V" VENT
1", 1-1/4", 1-1/2", 2", 2-1/2", OR 3"	2", 2-1/2", 3", 4", 5", 6", OR 8"	2", 2-1/2", 3", 4", 5", 6", OR 8"

DRAIN SIZE DETERMINES LEG LENGTH		
"D" DRAIN SIZE	A	B
"D" = 2"	22"	2"
"D" = 2-1/2"	23"	3"
"D" = 3"	24"	4"
"D" = 4"	25"	5"
"D" = 5"	30"	10"
"D" = 6"	34"	14"



TYPE BDS BLOWDOWN SEPARATORS



ILLUSTRATED WITH OPTIONAL EQUIPMENT

LOCKWOOD PRODUCTS, INC.

4570 Commerce Circle S.W. • Atlanta, GA 30336
www.lockwoodproducts.com
 Local (404) 505-2520 • WATS (800) 365-1500 • FAX (404) 505-2518

75^{Years}
 1938-2013

BLOWDOWN SEPARATOR

STANDARD FEATURES:

- Tanks constructed in accordance with A.S.M.E. Code Section VIII, Div. 1 and National Board Certification
- Standard 250 PSI Construction
- Special thickness available to meet local and state codes
- High velocity circulation allows the pressure to be released, steam flash to exit the vent, and water and sludge to pass through the drain
- Stainless wear plate to retard erosion
- Aftercooling assembly available to meet limits for temperature control for entrance to public sewer.



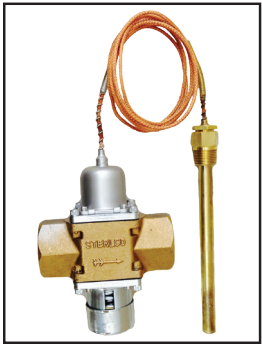
BLOWDOWN SEPARATOR ACCESSORIES



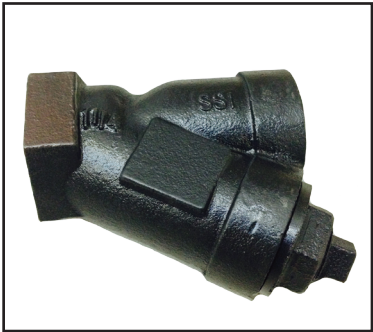
Thermometer: 3” bi-metal, stainless steel case, rust resistant, finished in oven-baked enamel.



Pressure Gauge: 4-1/2” stainless steel, 1/4” NPT bottom connection.



Temperature Regulating Valve: Use with aftercooler drain fitting to automatically control cooling water.



Y-Strainer: Cast iron with mesh screen to protect temperature regulating valve.



SCV Check Valve: Stainless steel, spring-loaded for added durability. Use with aftercooler assembly for cold water inlet.



Aftercooling Drain Fitting: Available threaded or flanged.

BLOWDOWN SEPARATOR

SEPARATOR SELECTOR CHARTS--INTERMITTENT BLOWDOWN BOILERS 0-300 PSI OPERATING PRESSURE

BOILER BLOWDOWN SEPARATOR SELECTION CHART																					
BD Connection:		1"				1-1/4"				1-1/2 "				2"				2-1/2"			
Hght / Int / Drn / Vnt:		H	I	D	V	H	I	D	V	H	I	D	V	H	I	D	V	H	I	D	V
Boiler Operating Pressure	15					20	1-1/4	3	4	20	1-1/2	3	4	20	2	4	5	34	2-1/2	5	6
	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
	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
	125	34	1	3	3	34	1-1/4	4	4	34	1-1/2	4	4	34	2	5	5				
	150	34	1	3	3	34	1-1/4	4	4	34	1-1/2	4	5								
	175	34	1	3	4	34	1-1/4	4	4	34	1-1/2	4	5								
	200	34	1	3	4	34	1-1/4	4	5												
225	34	1	4	4																	

TEMPERATURE REGULATING VALVE SELECTION CHART																
BD Connection:		1"			1-1/4"			1-1/2"			2"			2-1/2"		
Water Pressure:		40#	50#	60#	40#	50#	60#	40#	50#	60#	40#	50#	60#	40#	50#	60#
Boiler Operating Pressure	50	1/2	1/2	1/2	1	1	1	1-1/4	1	1	1-1/4	1-1/4	1-1/4	2	1-1/2	1-1/2
	100	1	3/4	3/4	1	1	1	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2	1-1/4	2	2	2
	125	1	3/4	3/4	1-1/4	1	1	1-1/4	1-1/4	1-1/4	2	2	1-1/2			
	175	1	1	1	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4						
	225	1	1	1												

BLOWDOWN SEPARATOR PACKAGE SUGGESTED SPECIFICATIONS

Blowdown Separator:

Furnish and install as shown on plans:
() Boiler blow-down separator(s). Model No. BDS_____ w/a _____" inlet _____" drain _____" vent for a boiler operating at _____ psig. With a _____" intermittent blowdown connection.

The separator is to be welded carbon steel construction designed and stamped in accordance with ASME code SEC VIII, DIV. I. for 250 psig @ 450 deg. F and National Board Certified, having a plate thickness of 5/16".

Connections include a tangential inlet with stainless steel striking plate at point of impingement, a steam vent for release of steam to atmosphere, and bottom drain. The exterior to be a shop primer finish. All as manufactured by Lockwood Products, Atlanta, GA, USA.

Separator Accessories:

- Floor Mounting Legs
- Drain Fitting
- Temperature Regulating Valve
- Bi-metal Thermometer
- Y Strainer
- Stainless Steel Check Valve
- Pressure Gauge