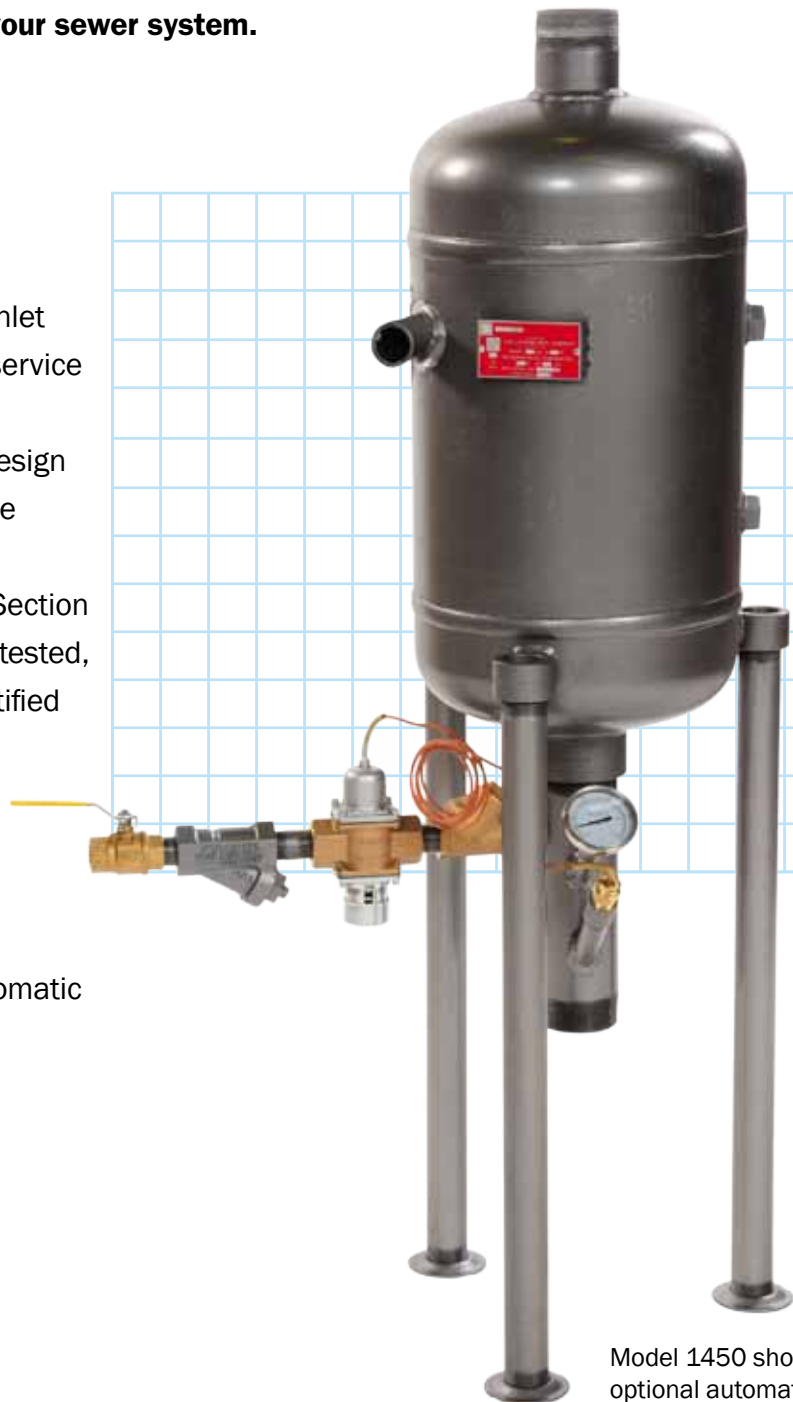


LATTNER

Packaged Boiler Blowdown Separators

Blowdown separators are a required part of any healthy steam boiler system. Regular blowdown is necessary to remove accumulated contamination to keep your boiler operating safely and efficiently. Lattner's blowdown separators reduce effluent temperature and pressure for safe and legal discharge to your sewer system.

- Heavy wall construction with inlet erosion plate for severe duty service
- 150 PSIG, 550° F Standard Design with higher pressures available
- Every vessel is built to ASME Section VIII standards, hydrostatically tested, third party inspected, and certified by the National Board
- Integral inspection openings and leg kits standard
- Optional aftercoolers and automatic blowdown packages available
- Standard one year warranty

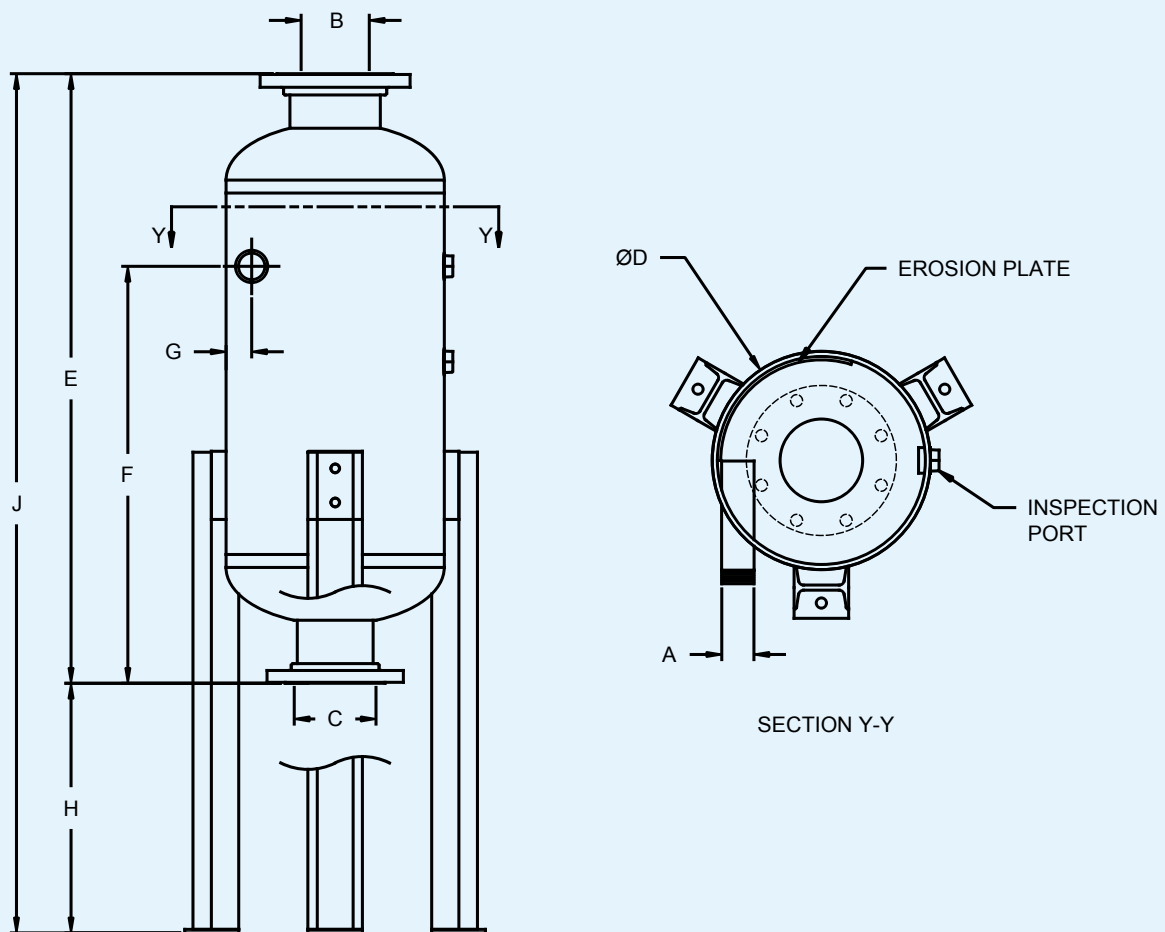


Model 1450 shown with optional automatic aftercooler

Boiler Blowdown Separators

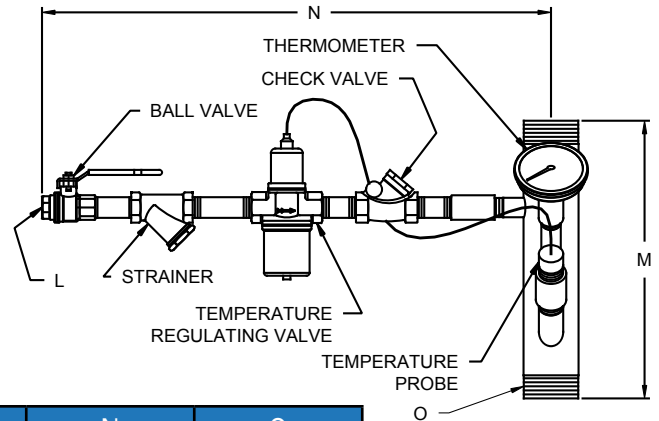
Blowdown separator selection is based on your boiler's bottom blowoff connection. Choose a blowdown separator with an inlet ("A" dimension) larger or equal to your boiler's bottom blowoff connection

Model	A	B	C	D	E	F	G	H	J	Weight
810	1" MNPT	2" MNPT	2" FNPT	8 ⁵ / ₈ "	17 ⁵ / ₁₆ "	8 ¹ / ₈ "	1 ¹ / ₄ "	16 ¹¹ / ₁₆ "	34"	47 LBS
1450	1 ¹ / ₂ " MNPT	3" MNPT	3" FNPT	14"	31 ⁷ / ₁₆ "	18 ⁷ / ₈ "	1 ⁵ / ₈ "	24 ¹ / ₁₆ "	55 ¹ / ₂ "	155 LBS
1600	2" MNPT	6" FLNG	5" FLNG	16"	44 ¹¹ / ₁₆ "	30 ⁹ / ₁₆ "	1 ⁷ / ₈ "	42 ⁵ / ₁₆ "	87"	310 LBS
1800	2 ¹ / ₂ " MNPT	6" FLNG	6" FLNG	18"	46 ⁵ / ₁₆ "	31 ⁵ / ₁₆ "	2 ¹ / ₈ "	42 ⁵ / ₁₆ "	88 ⁵ / ₈ "	350 LBS



Automatic Aftercooler

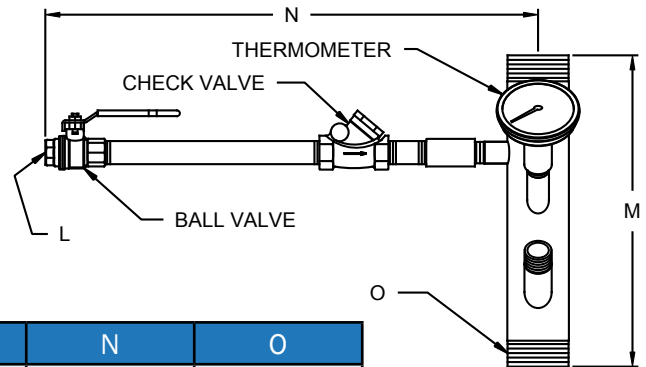
Selection is based upon the Separator's drain connection as noted on the selection chart below. Each assembly is factory piped and includes a ball valve, check valve, strainer, automatic temperature regulating valve, and discharge thermometer.



Model	Fits	L	M	N	O
205A	810	1/2"	12"	22"	2" MNPT
301A	1450	1"	12"	25"	3" MNPT
525A	1600	1 1/4"	24"	25 1/2"	5" FLNG
652A	1800	1 1/4"	24"	25 7/8"	6" FLNG

Manual Aftercooler

Selection is based upon the separator's drain connection as noted on the selection chart below. Each assembly is factory piped and includes a ball valve, check valve, and discharge thermometer.



Model	Fits	L	M	N	O
205M	810	1/2"	12"	19"	2" MNPT
301M	1450	1"	12"	20"	3" MNPT
525M	1600	1 1/4"	24"	20"	5" FLNG
652M	1800	1 1/4"	24"	20"	6" FLNG

Automatic Blowdown Package

Selection is based upon the boiler's drain connection as noted on the selection chart below. Each assembly is factory piped and wired, and includes a ball shutoff valve, ball by-pass valve, motor driven ball valve, and NEMA 1 panel containing the interval timer.

Model	Blowdown Connection
1674-B-3/4	Up to 3/4" NPT
1674-B-1	Up to 1" NPT
1674-B-1 1/4	Up to 1 1/4" NPT
1674-B-1 1/2	Up to 1 1/2" NPT

Boiler Blowdown

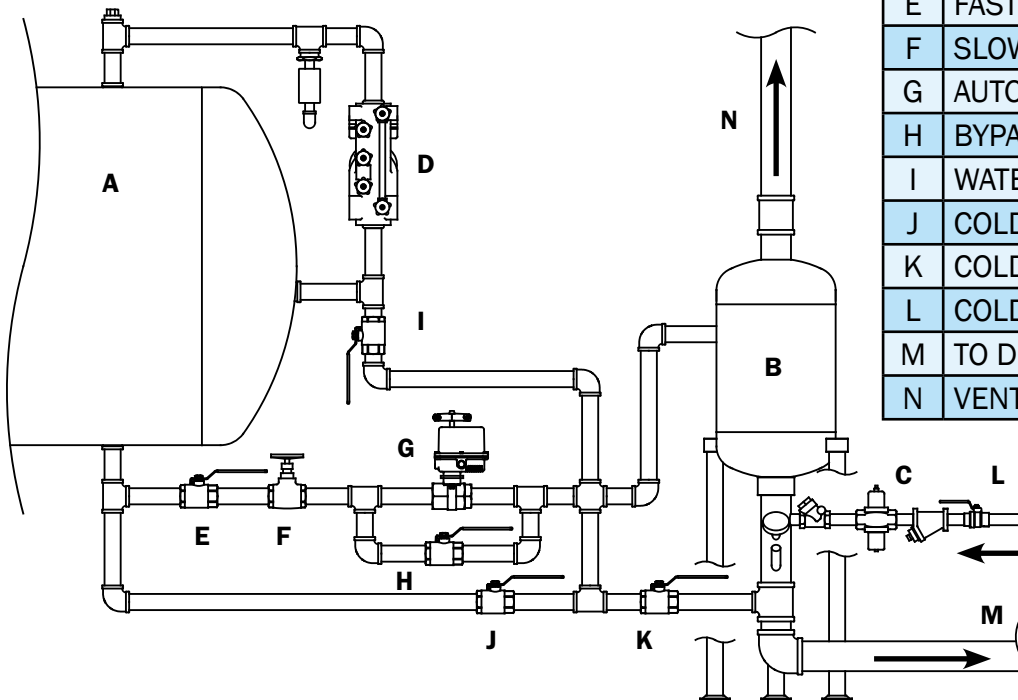
Boiler blowdown is mandatory. Steam boilers cannot continue to operate safely and efficiently without discharging the solids that are left behind after generating clean steam. Accumulated sediment in a boiler inhibits heat transfer, increases corrosion, and will ultimately cause untimely failure.

Periodic blowdowns can be performed manually in most light duty applications but an automatic blowdown package is essential for high capacity systems that operate continuously. Automatic devices can never replace periodic manual inspection but offer peace of mind to those operating critical boiler systems.

EPA and local standards generally require that boiler effluent be cooled below 140°F before discharge into a local sewer system. Lattner’s automatic and manual aftercooler systems provide a safe, legal, and convenient compliance option for all steam boiler operators .

TYPICAL 150 PSI PIPING DIAGRAM WITH AUTOMATIC AFTERCOOLER AND AUTOMATIC BLOWDOWN

A	BOILER
B	BLOWDOWN SEPARATOR
C	AUTOMATIC AFTERCOOLER
D	WATER LEVEL CONTROL
E	FAST OPENING BLOWOFF VALVE
F	SLOW OPENING BLOWOFF VALVE
G	AUTOMATIC BLOWOFF VALVE
H	BYPASS VALVE
I	WATER COLUMN DRAIN
J	COLD BOILER DRAIN
K	COLD BOILER DRAIN
L	COLD WATER SUPPLY
M	TO DRAIN—140° F MAXIMUM
N	VENT—MUST BE UNRESTRICTED



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