

BLOWDOWN SEPARATORS

FOR INTERMITTENT BOILER BLOWOFF, HYDRONIC S.R.V. AND OTHER PROCESS BLOWDOWNS.

- **PROVEN DESIGN FEATURES**

Penn Separator has been manufacturing Blowdown Separators since 1956. This experience goes into every separator that we make. All are built to the requirements of ASME Code Sec. VIII Div. 1 and include a stainless steel wear plate and internal baffles with a self cleaning design for years of trouble free service.

- **CYCLONE SPINNING ACTION**

Intermittent blowoff requires high volume flows to carry off sediment from the boiler. Penn Blowdown Separators are designed to efficiently and safely handle these high flows. The tangential inlet and small diameter encourages a cyclone spinning action for quiet release of clean steam from the condensate. That's why a Penn Blowdown Separator is only 14" diameter as compared to a much larger blowoff tank.

- **CONTROLS THERMAL POLLUTION**

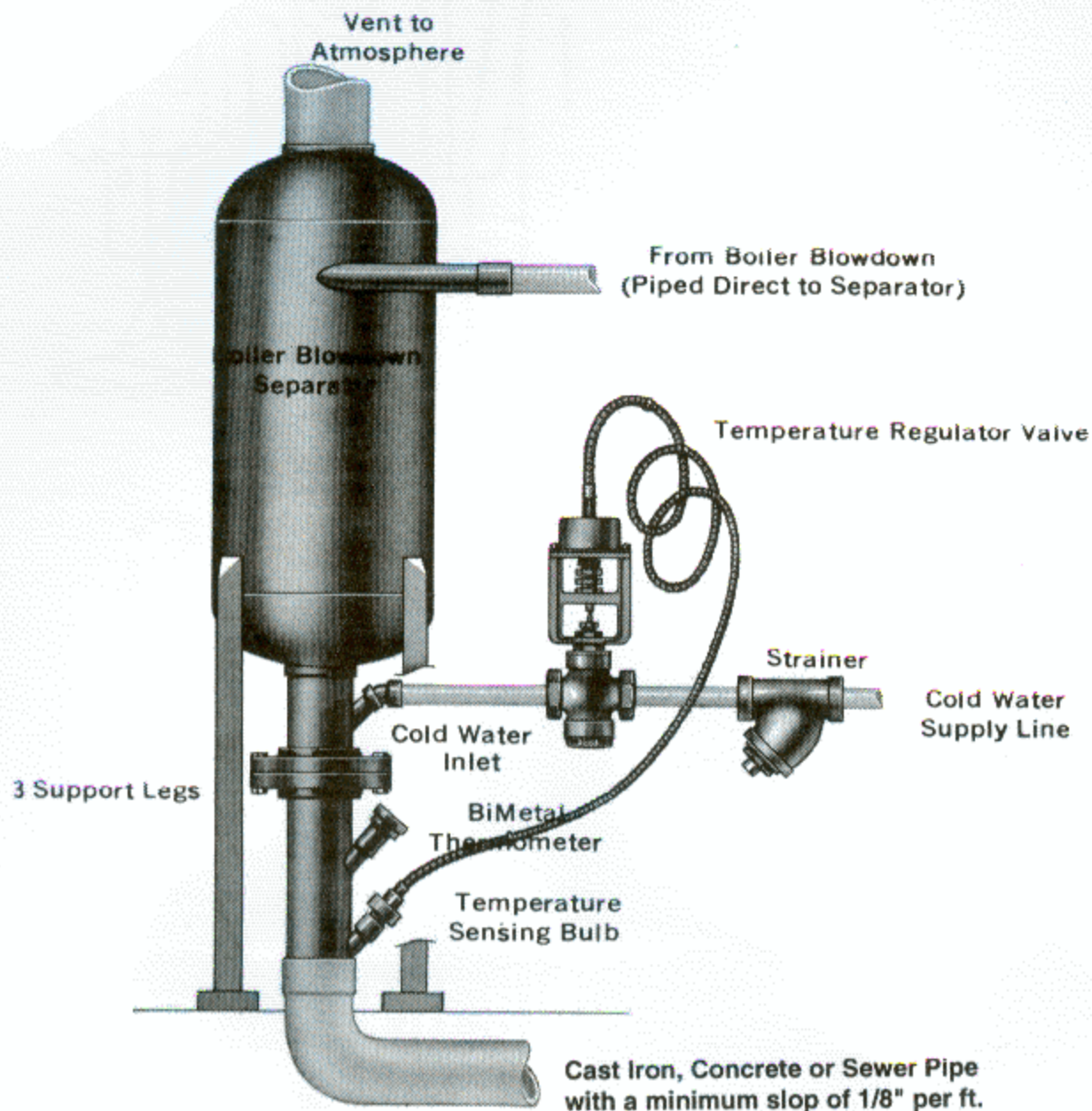
When packaged with aftercooler fitting and accessories as shown on the back, remaining water is reduced to meet state and local sewer temperature requirements. Adjustable Penn self-actuating valve automatically provides the right amount of cooling water. Drain sizing provides continuous drainage of condensate down the drain without further calculations.

**Thousands of Satisfied Users
Prove These Features**



PENN SEPARATOR CORP., Brookville, PA 15825

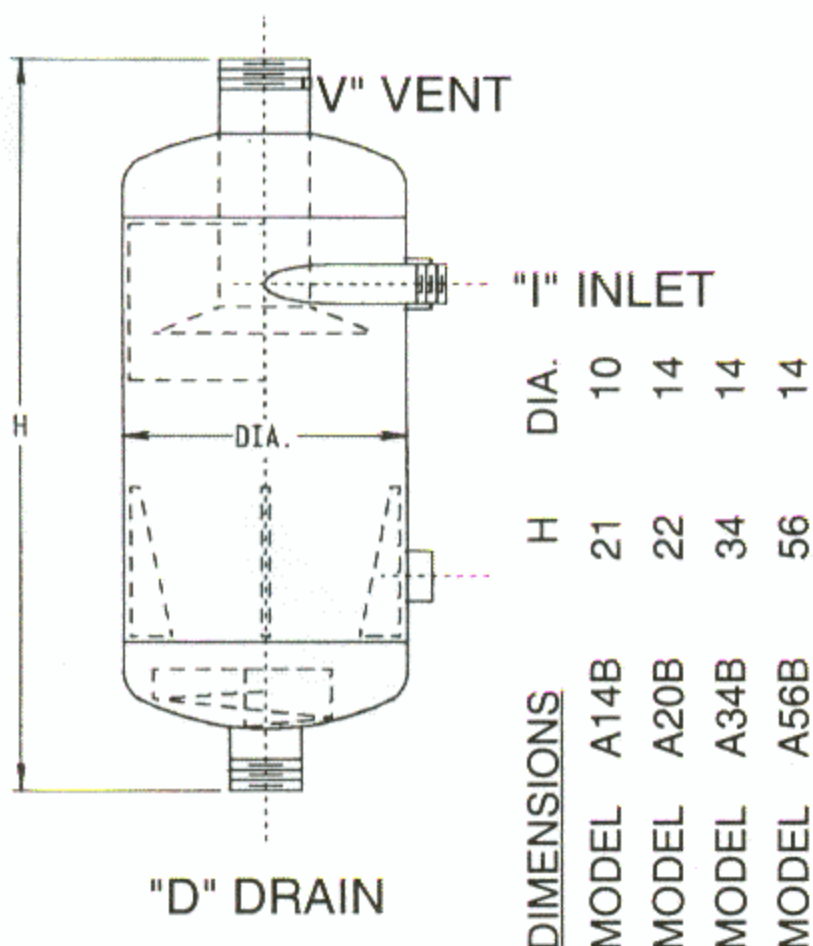
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TYPICAL INSTALLATION

This drawing shows a typical installation of a Blowdown Separator packaged with Accessories for automatic cooling of blowdown to drain or sewer. This includes a Blowdown Separator Model A34B, Three Angle Leg Supports, a Model 18DF Automatic Aftercooler Fitting, Self Actuating Temperature Regulator Valve, Strainer, and Bi-Metal Thermometer. In place of the accessories shown, you may select the desired accessories to obtain a complete package designed to your own specific needs.

DIMENSIONS



SUGGESTED SPECIFICATIONS

Blowdown Separator

Furnish and install as shown on plans:

() Boiler Blow-Down Separator(s). Model _____ " Height _____ " Inlet _____ " Drain _____ " Vent Select Plate Thickness 5/16" or 3/8" thk.....ASME Code 250 psig @ 450 Deg. F.....w/Screwed, Weld Bevel, or Flanged connections. Separator to have Stainless Steel Striking Plate at point of inlet impingement, as manufactured by Penn Separator Corp., Brookville, PA.

Separator Accessories

Furnish and install a Penn Separator w/3 Angle Legs for Floor Mounting () or Wall Brackets ().

AND

Furnish and install as shown on plans for Manual Cooling of Drain Water Temperature Penn Separator Aftercooler Model A5D- _____ "w/ _____ "C.W.I. (cold water inlet)

OR

Furnish and install as shown on plans for Automatic Control of Drain Water Temperature Penn Separator Aftercooler Model 18DF _____ ", 16DS _____ ", or 20AO _____ " w/ _____ " C.W.I., a Temperature Regulator Valve, Strainer, and 2" Dial Bimetal Thermometer.



SEPARATOR CORPORATION

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REPRESENTED BY: