



TYPE "FS Series"

MANUFACTURERS OF STEAM FIRED FLUID HEATERS AND POWER GENERATION EQUIPMENT

"FS" Series Blow-Down Separators Package Systems

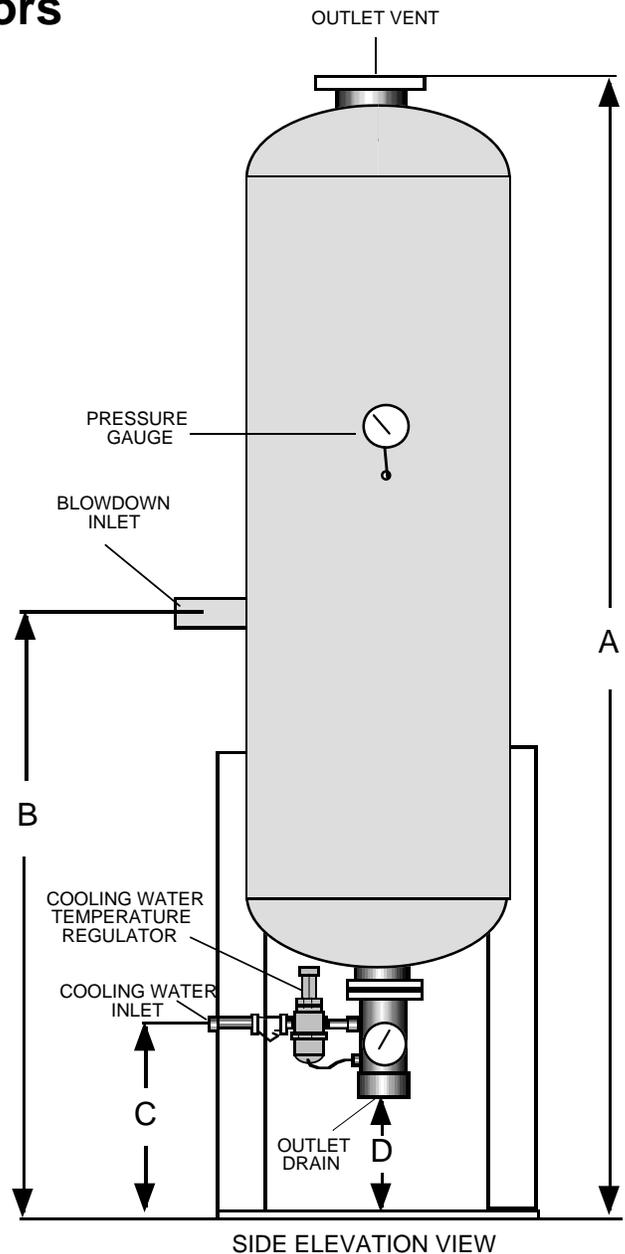
Thermaflo "FS" Series Boiler Blow-Down Separators are complete system packaged units that accept boiler blow down and separate the flash steam while cooling the boiler blow down water for proper drainage. "FS" units consist of a fabricated heavy carbon steel flash separator, lower after cooler assembly, self acting type temperature regulator, and thermometer, with easy floor mounting legs for installation.

FS Series Package Features

- Internal Stainless Steel Vertical Separation Plate and Diffuser Inlet for High Velocity Separation of the Flash Steam and Blow Down
- 150 PSI ASME CODE Construction
- Quiet Release of Flash
- Self Acting Cooling Control Valve
- Lower After Cooler Assembly with Thermometer
- Easy Floor Mounting Plate with Predrilled Holes

BLOW DOWN FLOWS MAX AT 150 PSIG

| | | |
|-------|---------------|---|
| FS-6 | 1000 lbs/hr | Sizing Example: Boiler HP 300 (10,350) Blowdown Rate: 10% 10,350 lbs/hr x 10% = 1035 lbs/hr FS-8 Blowdown System |
| FS-8 | 3000 lbs/hr | |
| FS-10 | 5000 lbs/hr | |
| FS-12 | 10,000 lbs/hr | |
| FS-16 | 20,000 lbs/hr | |
| FS-20 | 40,000 lbs/hr | |



Note: Standard ASME Code Stamped 150 psig @ 450F

| MODEL | A | B | C | D | E | VENT INLET | OUTLET |
|-------|-----|-----|-----|-----|-----|------------|--------|
| FS-6 | 66" | 39" | 12" | 9" | 6" | 2" | 1.5" |
| FS-8 | 66" | 42" | 16" | 9" | 8" | 4" | 1.5" |
| FS-10 | 81" | 61" | 21" | 14" | 10" | 6" | 2" |
| FS-12 | 81" | 61" | 21" | 14" | 12" | 6" | 2" |
| FS-14 | 81" | 61" | 21" | 14" | 14" | 6" | 2" |
| FS-16 | 81" | 61" | 21" | 14" | 16" | 6" | 2" |
| FS-20 | 72" | 65" | 25" | 14" | 20" | 8" | 3" |

Notes: 1. Connections 2" and under are NPT, over 2" are 150lb flanged.

2. Discharge Vent Size based on 150 psig operating boiler max.

3. Bottom Blowdown should be made in short 2 to 3 second sessions.

