

## Standard Features

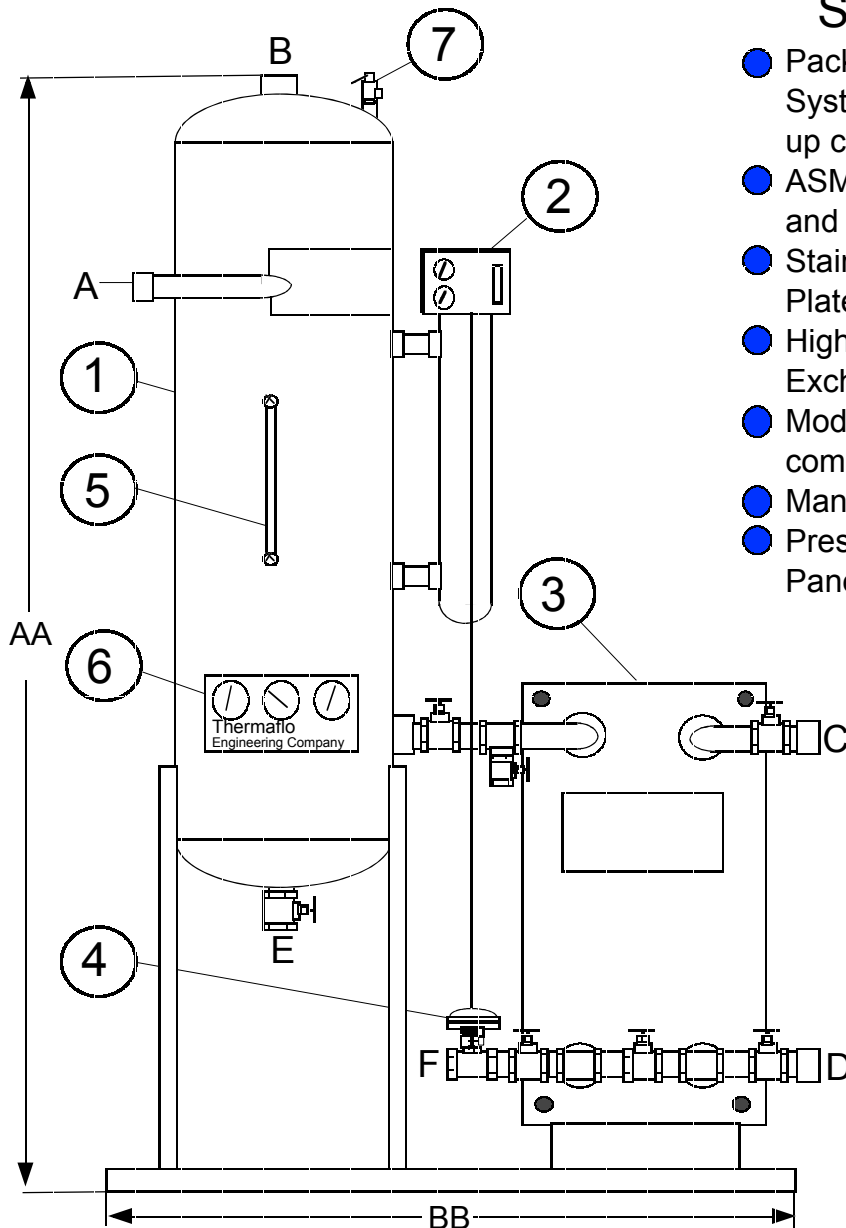
- Packaged and Tested Complete System - requires only service hook-up connections for operation
- ASME CODE Stamped flash separator, and plate heat exchanger
- Stainless Steel Inlet Separator Wear Plate for Long Life
- High Efficiency Plate and Frame Heat Exchanger- Ultimate in Heat Transfer
- Modulating Level Control System - for complete operating range stability
- Manual Backwash Piping Arrangement
- Pressure and Temperature Instrument Panel

### CONDITIONS OF SERVICE:

Blowdown Rate: 10,000 lbs/hr MAX  
Blowdown Temperature: 353F @ 125 psig  
Flash Separator Pressure: 5 psig DA Pressure  
Blowdown Temperature to Exchanger: 227F  
Blowdown Outlet Temperature: 140F Max  
Makeup Water Max Flowrate: 50 GPM  
Inlet Feed water Temperature:  
Outlet Feed water Temperature:  
Note: Outlet feed water temperature will vary depending upon demand, and the blowdown rate.

### DIMENSIONS

AA 78" Overall Height  
BB 46" Overall Length  
Width: 20"



### EQUIPMENT LISTING

### CONNECTION SCHEDULE

TAG	DESCRIPTION
1	16" x 54" Flash Separator, 50 psig ASME CODE Section VIII stamped, carbon steel construction, tangential inlet w/ stainless wear plate, unit fitted with angle support legs and skid mounted as shown above.
2	Modulating Level Controller, McDonnell Miller PFC-1-G, 3-15 psig output to modulating level control valve, 20 psig air supply required.
3	Plate and Frame Heat Exchanger, ASME CODE Stamped construction, 316 stainless plates and nozzles, high temp NBR gaskets, 71 Sqft area.
4	1" Modulating Single Seated Globe Control Valve, 250lb cast iron body, stainless steel trim.
5	200 psig Heavy Duty Sight Glass w/ guards and isolation valves.
6	Pressure Gauge and Thermometer Instrument Panel.
7	ASME CODE Safety Relief Valve set @ 50 psig.

TAG	DESCRIPTION
A	2" NPT Blowdown Inlet Connection
B	2" NPT Flash Steam to Deaerator
C	2" NPT Hot Feed Water to Feed Tank
D	2" NPT Cold Feed Water Inlet
E	1.5" NPT Drain Outlet
F	Cooled Blowdown Outlet

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**Consult Representative for Sizing**