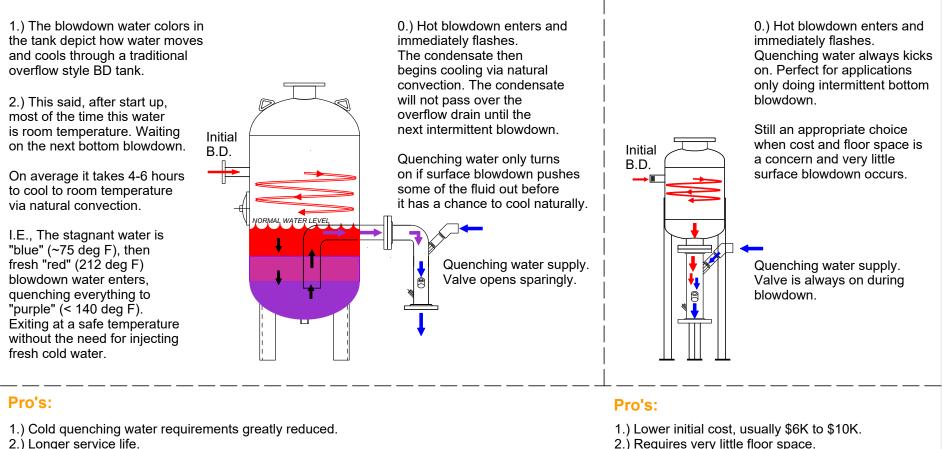
## **BLOWDOWN SEPARATORS**

Considerations for selecting a full Traditional Blowdown "Tank" vs. simple Blowdown "Separator" - especially for smaller boiler rooms.

VS

All boiler rooms utilize intermittent, bottom blowdown. This is a "necessary evil", normally occuring for 15 to 30 seconds, once a day. Often times it is also recommended to continuously blowdown from the surface level connection. For continuous surface blowdown, Madden often recommends a heat recovery system. But for boiler rooms producing less than ~7,000 PPH, this often isn't worth while. Most clients choose to blow down both the continous surface blowdown and the intermittent bottom blowdown into a common blowoff vessel when their steam production is below ~ 7,000 PPH.

This diagram is intented to help choose when to use a traditional "Tank" vs. a smaller "Separator" in this situation.



- 2.) Longer service life.
- 3.) Easier to design for serveral different BD processes.

## Con's:

- 1.) More expensive, usually \$15K to \$30K.
- 2.) Takes up more floor space.

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1.) Constantly requires guenching water to kick on. 2.) Not easily adapted for more than (2) BD processes.

Con's: