

Fossil Manufacturing LLC.

Max Vapor Recovery Tower



Vapor Recovery Towers (VRT's) are used to prevent oxygen in the flash gas stream. Standard VRT's are less effective at removing all of the VOC's from the product. Our Patented MAX VRT increases the flash rate of VOC's within the tower.

How it Works:

- Increases product temperature by introducing (free) heat from the VRU compressor discharge, or other available sources, both gas and liquid.
- Reversal of product flow allows hydrostatic pressure to decrease during retention time instead of increase.
- Lighter constituent flash-off aerates and agitates the increasingly lighter liquid column as product rises in the tower. The best chance for flash-off of heavier constituents is inside the tower, not in your tanks.

Benefits over Standard Towers:

- Increase of revenue from high BTU flash gas sales
- Reduces RVP concerns with downstream purchasers.
- Easy rig-up due to multiple clocking positions on connections.
- Cost is competitive with Standard VRT's, higher potential for ROI.
- Reduces the size, or negates the need for further downstream control devices.
- Alleviates requirement for a VRU aftercooler when discharge gas is used for heating.
- Design significantly reduces the chance of flooding the tower during production spikes.
- Installed ruffle trays extend product retention time within the low pressure gas cap area.



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*Actual performance will vary based on gas constituents, flow, pressure, and ambient conditions. Contact us for more information and a performance evaluation of your application.