

Water Only Scrubbing

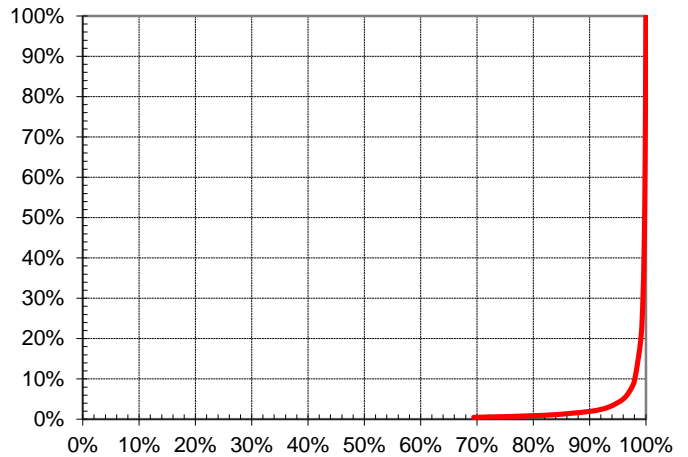
High Blowdown / Water Once Through
Often Required to Achieve Needed Efficiency



Blowdown for HF Scrubbing using Water Only Scrubbing

GPM To Sewer / GPM Recirculating versus Efficiency

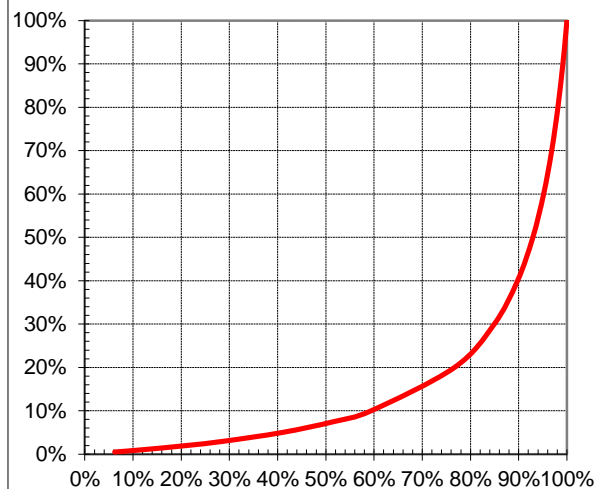
Note: Very small blowdown flow is needed to obtain 95% efficiency – however 99% and higher requires very high blowdown rate – to the point of 100% or water once through scrubbing.



Blowdown Limit for Methanol Scrubbing with Water Only

Now – consider methanol water only scrubbing. Note that efficiency greater than 90% requires 50% or more blowdown rate.

*(Same Axis as above.)
(Both scenarios assume saturated water exits the scrubber.)*



For more information and design assistance, please contact us at:

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