Cascaded Chemical Salts for Adsorption Heat Pumps

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Singles Salts Vs Cascaded Salt

\[
\text{COPs} = \frac{Q_{\text{out}1} + Q_{\text{out}2}}{Q_{\text{in}}}
\]

\[
\text{COPc} = \frac{Q_{\text{out}1} + Q_{\text{out}2} + Q_{\text{out}3}}{Q_{\text{in}}}
\]
Till Date

(Large Temperature Jump)

water baths

DAQ
Packing Density Effects
In the Future...

• Low temperature salts
• High temperature salts
• H.P design on ThermXsLab

Thanks