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## **CONCENTRATION PACKAGES**

Napeec (Noandishan Arya Process and Energy Engineering Company) designs and supplies a combination of vaccum and thermal systems to produce concentrated products.

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Some of advantages of concentration plants developed by NAPEEC compared with traditional units are as following:

- o Low energy (steam and fuel gas) consumption.
- o Low labour costs.
- o Low process time (In some cases decreased from 72 hr to 15 hr).
- Clean in place design.

NAPEEC concentration packages are successfully installed at following processes:

o Sodium Silicate Concentration:

Feed Conc.	Na:Si Ratio	Product Conc.	Batch Volume	Process Time
36 % Wt.	2.4	48 % Wt.	20 m <sup>3</sup>	17 hr

o Pottasium Silicate Conentration:

Feed Conc.	Na:Si Ratio	Product Conc.	Batch Volume	Process Time
30 % Wt.	2.13	40 % Wt.	20 m <sup>3</sup>	10 hr







