

CONCENTRATION PACKAGES

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

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

- Low energy (steam and fuel gas) consumption.
- Low labour costs.
- 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:

- Sodium Silicate Concentration:

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

- Pottassium Silicate Concentration:

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

