Hi Rate Thickeners
Technical Data Sheets

The following technical data sheets show
Some of the standard Hi Rate Thickener designs we have available.
We can supply Thickeners to your specific requirements
Given your specific technical specifications

Contact
ASIA’s Resource Connections
Melbourne, Australia
Johannesburg, South Africa
Beijing, China
Email – enquiries@asias-connections.asia
Web – www.asias-connections.asia
We can size thickeners up to 100 meters diameter, depending on the specific application.

Typically the output from a 10 meter diameter Hi Rate Unit is 400 cubic meters per hour, with an underflow density of up to 63% solids.

Our designs can incorporate conventional automatic rake lifting designs, or our advanced designs.

We offer a unique centre feed well skirt design which automatically adjusts the geometry of the skirt bottom, to optimise distribution and feed in to the thickener chamber.

For any particular Application we can recommend and supply the flocculent dosing system

We can offer centre, traction, mechanical and hydraulic drives.
Our advanced automatic rake lifting system segments the rake system along its length, where in each segment the resistance is monitored. This allows the rake to be set at the optimum height in each segment for the load presented and manage the overall bed level.

The system is more efficient at giving an early warning to potential over load conditions, by comparing trends across the segments and being able to take corrective actions.
For less arduous applications we can offer a conventional rake lifting system, where the bed level is monitored by level devices and the complete rake arms are raised or lowered to maintain a consistent underflow density.
We can offer for our Hi Rate Thickeners with an adjustable discharge feature on the centre feed well. The bottom skirt of the feed well can be raised or lowered automatically to optimise the distribution of the incoming material into the thickener chamber.
They produce a wide variety of thickeners, size up to dia. 100 meters, mechanism and hydraulic motor drive available, so

Technical Data Sheet  
Hi Rate Thickeners  
Type – Typical Thickener Dimensions

The thickeners are sourced from an established company in China, with numerous applications in the field. 
To facilitate us in giving you a proposal we would like the following information;

• feed slurry type  
• feed slurry volume  
• specific gravity of solids  
• density of solids  
• density of slurry  
• required density of underflow  
• required clarity of overflow  
• flocculant dosing system required  
• preferred flocculants  
• battery limits for the installation

If this information is not available, a general description of your project or application will allow us to make preliminary recommendations and develop the specific application requirements as more information is available.