

# Schmidt® Pilot Plant Evaporation System

## Features and benefits:

- Prove the quality, taste, and color of your finished product before investing in a full-scale production plant
- Concentrate to 99% TS
- Evaporate product under vacuum and low temperatures or use high-pressure steam to evaporate at high temperatures
- Pump thin products with centrifugal pumps or thick products with positive displacement pumps driven by VFDs
- Integrated hot water loop is available for gentle treatment of temperature-sensitive products
- Available viscosity testing, brix verification, and loss mass dissolved solids verification through our lab equipment
- Portable – test in your facility or our new state-of-the-art test center
- Suitable for product evaluation or small production runs, the pilot plant can be rented by the month with on-site start-up by our engineering staff
- Concentrate high viscosity products (2,000–30,000 cps)
- Once-through flow for temperature-sensitive products, or full recirculation for fouling or crystallizing products

### Schmidt® | Plate & Thermal Systems



To learn more about this product, contact your API Heat Transfer sales representative, email [sales@apiheattransfer.com](mailto:sales@apiheattransfer.com), or visit [apiheattransfer.com](http://apiheattransfer.com).

## Technical specifications

	SIGMA 7	SIGMA 26
Plant capacity	50 lbs/hr water removal	150-200 lbs/hr water removal
<b>Minimum Utility Requirements</b>		
Steam	75 lbs/hr of 15 psig	250 lbs/hr of 15 psig
Water	10 gpm of city water	20 gpm of city water
Electric	7 amps @ 460v	10 amps @ 460v
Air	5 cfm at 50 psig	5 cfm at 50 psig

Physical	SIGMA 7	SIGMA 26
Components	Mounted on a stainless steel frame with wheels for easy movement	
Outside dimensions (W x L x H)	4 ft. x 7 ft. x 8 ft. (1.21 m x 2.13 m x 2.13 m)	4 ft. x 7 ft. x 8 ft. (1.22 m x 2.13 m x 2.44 m)
Dry weight	2,500 lbs	3,000 lbs
Shipping weight	3,000 lbs with crate	3,500 lbs with crate

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