

<b>Model</b>	TS-6
<b>Throughput</b>	3L to 8L per hour (base on processes and material fed)
<b>Main Evaporator</b>	<p>Evaporating area: approximately 2,500 cm<sup>2</sup></p> <p>Material: stainless steel</p> <p>Fluid jacket volume: approx. 3.5L</p> <p>Heated circulator: 3kW heater, 300°C maximum operating temperature</p>
<b>Main Condenser</b>	<p>Condensing area: approximately 2,500 cm<sup>2</sup></p> <p>Material: stainless steel</p> <p>Style: straight column</p> <p>Fluid jacket volume: approx. 2L</p> <p>Cooling/heated circulator: 2kW heater, -25°C to 200°C operating temperature</p>
<b>Wiping System</b>	<p>Style: roller</p> <p>Roller/blade material: PTFE</p> <p>Driving motor: speed-adjustable with magnetic coupling</p> <p>Motor controller: DELTA</p>
<b>Cold Trap</b>	<p>Material: stainless steel</p> <p>Depth: 16"</p> <p>Quantity: two</p> <p>Immersion cooler: PolyScience -80°C IP80 or Huber -100°C TC100</p> <p>Receiving flask volume: 1L</p>
<b>Feeding System</b>	<p>Gear pump x 1</p> <p>Speed: 20L/hour max. (2.4 mL/turn, 135 turn/minute), adjustable</p> <p>Material: stainless steel body with Viton gaskets</p> <p>Style: jacketed, heated</p> <p>Recommended circulating thermal fluid temperature: 80°C to 120°C</p> <p>Flask: glass, 10L, jacketed, refillable during operation, with lid</p>

	<p>Flask jacket volume: approx. 4L</p> <p>Heating controller: OMRON</p> <p>Heated circulator: 2kW heater, 200°C maximum operating temperature</p> <p>Construction: jacketed, heated, insulated stainless steel tubing</p>
Distillate/Residue Discharge	<p>Gear pump x 2</p> <p>Speed: 10L/hour max. (1.2 mL/turn, 135 turn/minute), adjustable</p> <p>Material: stainless steel body with Viton gaskets</p> <p>Style: jacketed, heated</p> <p>Recommended circulating thermal fluid temperature: 80°C to 120°C</p> <p>Sight glass: front glass sight with easy-remove clamp</p> <p>Heated circulator: 2kW heater, 200°C maximum operating temperature</p> <p>Construction: heated, insulated stainless steel tubing</p>
Vacuum System	<p>Vacuum gauge: Agilent gauge with LCD display for high vacuum application</p> <p>Vacuum pump: Welch CVRpro 30 with oil mist filter</p> <p>Diffusion pump: Agilent AX-65 (do NOT fill more than 30mL diffusion pump oil at a time)</p>
Sealing gasket	All food grade Viton
Electrical Control Cabinet	<p>Wiper motor controller x 1</p> <p>Gear pump controller x 3</p> <p>Distillate discharge tubing heater controller x 1</p> <p>Residue discharge tubing heater controller x 1</p> <p>Main power switch x 1</p> <p>Vacuum pump switch x 1</p> <p>Diffusion pump switch x 1</p>
Main Mounting Frame	Heavy duty stainless steel, mounted on four swivel casters with leveling feet
Main Power	230V +/-5V, 1~phase 60Hz (50Hz power for Europe and Asia available upon request)

<b>Unit dimensions &amp; weight</b>	<b>94 x 25 x 81" (WxDxH) , 1270 lbs</b>
<b>Shipping dimensions &amp; weight</b>	<b>1 Crate : 92 x 30 x 91" (WxDxH) ,1341 Lbs 1 Pallet : 40 x 48 x 60" ,600 lbs</b>
<b>Compliance</b>	<b>ETL tested to UL and CSA standards</b>