

SPECIFICATIONS

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| Model | TG-6 |
| Throughput | 2L to 5L per hour (base on processes and material fed) |
| Main Evaporator | Evaporating area: approximately 2,500 cm ² Material: borosilicate glass Glass jacket volume: approx. 3L Heated circulator: 3kW heater, 300°C maximum operating temperature |
| Main Condenser | Condensing area: approximately 4,000 cm ² Material: borosilicate glass Style: coil Glass jacket volume: approx. 1.5L Cooling/heated circulator: 2kW heater, -25°C to 200°C operating temperature |
| Wiping System | Style: roller or blade Roller/blade material: PTFE Driving motor: speed-adjustable with magnetic coupling Motor controller: DELTA |
| Cold Trap | Material: borosilicate glass with polyethylene lid Depth: 17" Quantity: one Receiving flask volume: 1L Immersion cooler: PolyScience -80°C IP80 or Huber -100°C TC100 |

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| Feeding System | <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 Discharge | <p>Receiving flask volume: 10L, glass</p> <p>Drain passage: non-heated</p> <p>Sealing gasket: Viton</p> |
| Residue Discharge | <p>Receiving flask volume: 10L, glass</p> <p>Drain passage: heated and insulated</p> <p>Heating: heated tape with insulation</p> <p>Heating controller: Omron</p> <p>Sealing gasket: Viton</p> <p>Recommended circulating thermal fluid temperature: 80°C to 120°C</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> |

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| Sealing gasket | All food grade Viton |
| Electrical Control Cabinet | Wiper motor controller x 1 Gear pump controller x 1 Feeding tubing heater controller x 1 Residue discharge heater controller x 1 Main power switch x 1 Vacuum pump switch x 1 Diffusion pump switch x 1 |
| 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) |
| Unit dimensions ,weight | 86x25x78", 1150lbs |
| Shipping dimensions ,weight | 1 Crate: 97x31x81", 1197 lbs 1 Pallet: 40x48x42", 450 lbs |
| Compliance | ETL tested to UL and CSA standards |