Apogee Developer Accessories

Cost Effective Equipment

Configure your Apogee® Developer/Cleaner for your materials, process, and facility. Explore accessories for cleaner changeovers, controlled exhaust and purge, reliable substrate holding, clear status indication, and organized waste collection.

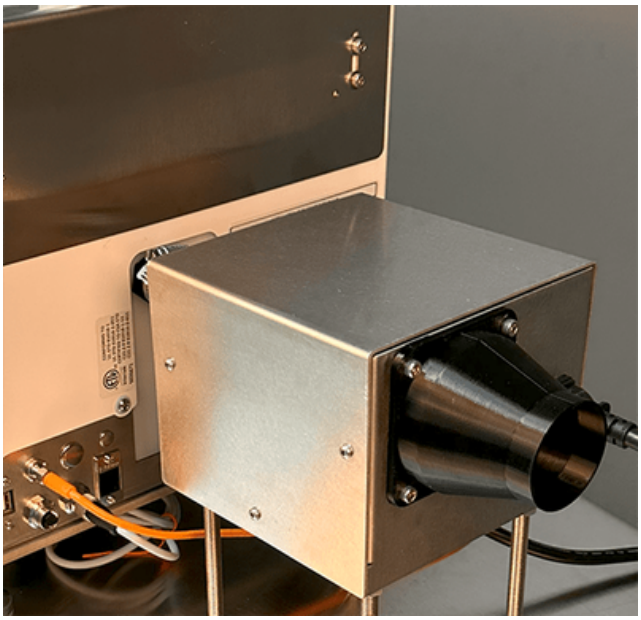
Serving the Semiconductor Industry Since 1987

OPTIFLOW™ EXHAUST

Take recipe-level control of spin bowl exhaust with active airflow control and real-time feedback.

BENEFITS

- Set exhaust for each process step
- Monitor actual airflow and setpoints
- Adjust airflow to suit the material and process



SPECIFICATIONS

- Airflow: 0–30 CMH in 0.1 CMH increments
- Held airflow: within ±0.5 CMH
- Percentage control: 0–100%
- Rear mounting or remote placement within 3 ft (0.9 m); keep hose runs short
- Module, bracket and power cord included; 200 Series includes remote-mount coupling

UTILITIES REQUIREMENTS

- Facility exhaust required: 2″ OD port
- 100–120 / 208–230 VAC; 1.4 A / 0.85 A
- RS-485 connection to the tool

PROGRAMMABILITY

DataStream™ lets you set, step, hold or stop holding airflow using a CMH target or percentage of maximum output. Idle exhaust can be configured after a recipe.

WASTE CARBOY

Collect process waste in an HDPE carboy with a capacitive full sensor linked to DataStream™.

BENEFITS

- Lets the current process finish when full
- Prevents new processes and displays a full-bottle prompt
- Resume processing after emptying



SPECIFICATIONS

- HDPE bottle, full sensor and cap
- 2.5- or 5-gallon capacity
- ¾″ drain connection
- 24 VDC full sensor power from equipment;
- Full assembly: 6 ft (1.8 m) PTFE drain hose, quick-disconnect coupler and clamps
- Spare carboy available
  - 2.5 gal: full 902839; spare 903263
  - 5 gal: full 902840; spare 903264

Select materials compatible with the collected waste. Follow facility waste-handling and secondary-containment practices.

VACUUM PUMP

Provide dedicated vacuum to hold the substrate securely on the spin chuck during processing.

BENEFITS

- Quiet operation, approximately 50 dB
- Thermal protection; automatically resumes operation after cooling



SPECIFICATIONS

- Oil-free diaphragm design; PTFE-coated diaphragm and pump head
- Vacuum: 20–25 inHg; flow: up to 20 L/min
- Includes 6 ft of ¼″ tubing; weight: 8 lb (3.63 kg)
- Allow at least 3″ (76 mm) clearance on all sides

UTILITIES REQUIREMENTS

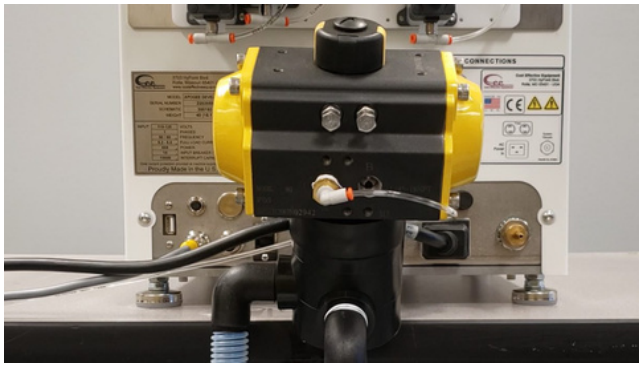
- 115 V: SKU 903292 | 230 V: SKU 903293

WASTE DIVERTER

Route waste between two discharge paths to support separation by chemistry, process step or disposal needs.

BENEFITS

- Two selectable waste outputs
- Pneumatic actuation with spring return



SPECIFICATIONS

- Polypropylene wetted body; quick-connect coupling
- ¾″ hose-barb drains; ⅛″ pneumatic tubing
- Four-position pneumatic control box
- Apogee® 200 and 450 Series: common SKU 902805

UTILITIES REQUIREMENTS

- Nitrogen or clean, dry air (CDA); at least 70 psi actuation pressure

PROGRAMMABILITY

DataStream™ controls the assigned dispense: enabled routes waste to the secondary outlet; disabled or no switch command returns flow to the primary outlet.

DIMENSIONS

- Added tool depth: 8.5″ (216 mm)

BOWL LINERS

Simplify cleanup with removable liners for Apogee® 200 and 450 Series spin coaters.

BENEFITS

- Protects the bowl from residue buildup
- Compatible with splash rings
- Reusable or disposable for flexible changeovers



SPECIFICATIONS

- High-density polyethylene (HDPE)
- Sealed drain; open the embossed location when drainage is required
- Clearance opening can accommodate backside-rinse tubing
- Life varies with chemistry, use and cleaning; replace damaged or contaminated liners

DIMENSIONS

- 200 Series | SKU 613321: 11.5″ dia. × 4.375″ H (292 × 111 mm)
- 450 Series | SKU 616289: 24″ dia. × 5.375″ H (609.6 × 136.6 mm)

LIGHT TREE

See equipment status at a glance with a three-color LED indicator integrated with DataStream™.

BENEFITS

- Green: process running; flashing green: operator input needed
- Yellow: equipment idle; red: error or fault



SPECIFICATIONS

- 24 VDC supplied by equipment; keyed M12 connector
- Approx. 3 ft (0.9 m) attached cable
- LED light tree and mounting bracket included