

AquaTherm™

BATCH CLEANING SYSTEM



AQUAFLEX™ CLEANING

Key success factors in cleaning are time and temperature. **AquaTherm's** high temperature wash capability (up to 200F) combined with user-selectable wash cycle time, provide flexibility to optimize the cleaning process for virtually any application. The system utilizes up to three on-board metering pumps. In addition, **AquaFlex** cleaning offers multiple wash capabilities, including water only; water

with rinse aid, neutralizer (to reduce wash alkalinity) or defoamer; water with aqueous-compatible wash chemistry; and wash with steam capability. Excellent spray coverage achieved via top, middle and bottom coherent jet nozzles. Rinse parameters are also user-adjustable. The HEPA-filtered, forced-air dry cycle makes the **AquaTherm** suitable for precision applications, such as microcircuitry and semiconductor cleaning.

FACILITIES REQUIREMENTS

Floor Space	35" x 35" 889-mm x 889-mm
Electrical Connection	16-AMP @ 230VAC 50/60Hz
Minimum Water Requirements	1.25-GPM @ 20-120-psi 4.73-L/min @138-827kPa
Minimum DI Water Requirements	1.25-GPM @ 20-120-psi 4.73-L/min @138-827kPa
Heater Requirements for Wash/Rinse Heating	>140 F @1.25-GPM @ 20-120-psi > 60 C @ 4.73-L/min @ 138-827kPa
Drain	Pump Assisted Drain
Exhaust	None for AquaTherm JR/9300 350-SCFM for AquaTherm 9200/9600

DIMENSIONS

System <i>H x W x D</i>	56" x 35" x 35" (9200, 9300, and 9600) 1422-mm x 889-mm x 889-mm 36" x 35" x 35" (AquaTherm JR) 914-mm x 889-mm x 889-mm
Process Chamber <i>H x W x D</i>	19" x 19" x 19" 482-mm x 482-mm x 482-mm
Weight	Installed: 250-pounds (114-Kg) Crated: 300-pounds (136-Kg)
Loading Height	38" (965-mm) w/ Stand
Adjustable Basket	Top Basket @ 14.5" (368-mm) or 16.5" (419-mm) Bottom Basket @ 5" (127-mm)

SYSTEM SPECIFICATIONS

Maximum Wash and Rinse Operating Temperature	199 F (93 C)
Maximum Dryer Operating Temperature	158 F (93 C)
Heater Rated Capacity	2000W
Recirculating Wash Pump Rating	@60Hz >112-GPM @60Hz >424-L/min
RS-232 Serial Data Output	Temperature, cycle phase, water level alarm, water conductivity, and voltage alarm.
E-Stop	Present
ESD Ground Strap Plug	Present



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	MODEL DESIGNATION	AQUATHERM JR	AQUATHERM 9300	AQUATHERM 9200	AQUATHERM 9600
	Description / Features	Water, NF Water Mixtures, Saponifiers, Emulsions	Water, NF Water Mixtures, Saponifiers, Emulsions	Water, NF Water Mixtures, Saponifiers, Emulsions	Water Only
Construction	Stainless Steel Construction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Heated Process Chamber	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Modular Coherent Jet Manifolds	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Dedicated Wash Pump	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Window with Interior Lights	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Controls	EEPROM Controller	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	RS-232 Data Logging	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Programmable Steam Cycle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Independent Receipts	5 standard 6 user defined	5 standard 6 user defined	5 standard 6 user defined	5 standard 6 user defined
Wash	Chemical Metering Pump	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Dedicated Sump Tank Fill Pump	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Recirculating Sump Tank Pump	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Heated Sump Tank	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Sump Tank Capacity	N/A	N/A	7.4-Gal (28L)	7.4-Gal (28L)
	Water Consumption	3.4 Gallons / Cycle 12.9L / Cycle	3.4 Gallons / Cycle 12.9L / Cycle	None	None
	Maximum Operating Temperature	199 F (93 C)	199 F (93 C)	199 F (93 C)	199 F (93 C)
Rinse	Rinse Aid Metering Pump	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	De-Foamer Metering Pump	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Deionizing System	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Conductivity Probe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Programmable Rinse to Resistivity	1 uS to 500 uS	1 uS to 500 uS	1 uS to 500 uS	1 uS to 500 uS
	Water Consumption	3.4 Gallons / Cycle 12.9L / Cycle	3.4 Gallons / Cycle 12.9L / Cycle	3.4 Gallons / Cycle 12.9L / Cycle	None
	Maximum Operating Temperature	199 F (93 C)	199 F (93 C)	199 F (93 C)	199 F (93 C)
Dry	Heated Forced Air Drying	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	HEPA Filtration	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Maximum Operating Temperature	158 F (73 C)	158 F (73 C)	158 F (73 C)	158 F (73 C)
Options Availability	External Evaporator	Wash & Rinse	Wash & Rinse	Rinse Only	Rinse Only
	Hot Water Heater	Available	Available	Standard	Standard

