

esPRO® Quartz Baths

These esPRO® Constant Temperature Controlled Baths are designed to be contaminant-free, rapid heating units suitable for wafer processing in wet etch, high temperature acid, and solvent application (excluding hydrofluoric acid). Manufactured using high purity fused quartz (minimum 99.9999% silica), these baths represent the standard of excellence and reliability for integrated circuit manufacturing processing.

Our esPRO® Quartz baths are of molded construction which provide maximum strength and eliminates sharp corners – facilitating the ease of cleaning. Each vessel includes a bottom well to accommodate a stirrer or drain.

Additionally, the baths have been designed in such a way that no temperature sensors or elements contact the process. The use of the dual thermodiscs independent of the controller thermocouples guarantees power shutdown.

Benefits

- Fire polished quartz tanks minimize contamination and are corrosion and Thermal Shock Resistant
- Rugged construction assures structural support and Fume-Tight Integrity
- Reduced warm up time and longer lasting due to engineered-in safety concerns



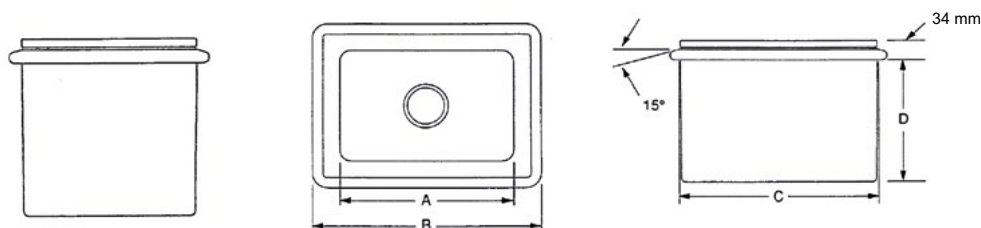
Features

- Rugged construction assures structural support and fume-tight integrity
- Fire polished quartz vessels minimize contamination, are corrosion and thermal shock resistant
- High temperature, fire retardant wiring used through all baths
- Unique lip flange design eliminates fume migration and liquid leaks into the heating element
- Custom design flexibility

Available options

- Drain port
- Additional Type J thermocouple
- Recirculation and custom models available

Dimensions



BATH DIMENSIONS (MM)	EQ-14	EQ-16	EQ-18	EQ-24	EQ-25	EQ-26	EQ-28	EQ-2618
Inside vessel dimension	196.85 L 196.85 W 177.8 D	196.85 L 196.85 W 254 D	304.8 L 279.4 W 298.45 D	285.75 L 190.5 W 177.8 D	342.9 L 190.5 W 228.6 D	406.4 L 203.2 W 254 D	450.85 L 273.05 W 304.8 D	406.4 L 266.7 W 304.8 D
Carrier capacity	1-4"	1-6"	1-8"	2-4"	2-5"	2-6"	2-8"	2-6"/ 1-8"
Required sink cut-out (A)	247.65 x 247.65	247.65 x 247.65	361.95 x 336.55	342.9 x 241.3	393.7 x 241.3	476.25 x 273.05	508 x 330.2	463.55 x 311.15
Required deck area (B)	273.05 x 273.05	273.05 x 273.05	400.05 x 374.65	368.3 x 266.7	421.64 x 266.7	501.65 x 298.45	533.4 x 355.6	501.65 x 336.55

BATH DIMENSIONS (INCHES)	EQ-14	EQ-16	EQ-18	EQ-24	EQ-25	EQ-26	EQ-28	EQ-2618
Inside vessel dimension	7.75" L 7.75" W 7" D	7.75" L 7.75" W 10" D	12" L 11" W 11.75" D	11.25" L 7.5" W 7" D	13.5" L 7.5" W 9" D	16" L 8" W 10" D	17.75" L 10.75" W 12" D	16" L 10.5" W 12" D
Carrier capacity	1-4"	1-6"	1-8"	2-4"	2-5"	2-6"	2-8"	2-6"/ 1-8"
Required sink cut-out (A)	9.75 x 9.75	9.75 x 9.75	14.25 x 13.25	13.5 x 9.5	15.5 x 9.5	18.75 x 10.75	20.0 x 13.0	18.25 x 12.25
Required deck area (B)	10.75 x 10.75	10.75 x 10.75	15.75 x 14.75	14.5 x 10.5	16.6 x 10.5	19.75 x 11.75	21.0 x 14.0	19.75 x 13.25

Ordering Information

ESPRO-EQ-14	D		A		3J12		113	
CODE	DRAIN & STIR		SEAL MATERIAL		THERMOCOUPLES		RTD'S	
ESPRO-EQ-14	S	Stir motor	A	Acid seal	3	Number of TC's	1	Number of RTD's
ESPRO-EQ-16	D	Drain	S	Solvent seal	J	Type	1	100 OHM (5 = 500 OHM, etc.)
ESPRO-EQ-18	Blank	No option			12'	Length	2	2 wire (3 = 3 wire, etc.)
ESPRO-EQ-24								
ESPRO-EQ-25								
ESPRO-EQ-26								
ESPRO-EQ-2618								