

With a PFA tube-side fluid path the XC Series will meet the most stringent cleanliness requirements to support the next generation semiconductor node technologies.



FEATURES

Advanced Cleanliness

Chemistry fluid path made from high grade PFA, PTFE or PVDF components

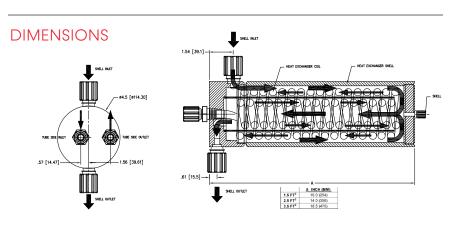
No wetted o-ring seals eliminates source for contamination Assembled and tested in clean-room environment

Low Mass Heat Exchanger

Enables faster temperature response Allows for precise and stable temperature control

Compact Design

Reduces tool design space requirements Facilitates retrofitting of existing tools Simplifies manufacturing complexity



APPLICATIONS

· Semiconductor wafer cleaning

XC In-line Exchanger

SPECIFICATIONS

Sizes	.14m² (1.5 ft²) of exchange area
	.23m² (2.5 ft²) of exchange area
	.33m² (3.5 ft²) of exchange area
Standard Features	13mm (0.5 inch) PFA tubing, 0.76mm (0.030 inch) wall thickness
	All welded construction (shell)
	114mm (4.5 inch) diameter polypropylene or PVDF shell
	Internally baffled for enhanced heat exchanger performance
	U" factor (depending on flow rate): $142-284 \text{ J/(s} \times \text{m2} \times ^{\circ}\text{C)} = 25-50 \text{ BTU/(hr} \times \text{ft2x F)}$
	Shell-side drain connection
Fluid Connections	Tube, Shell, & Drain: Flared connections standard, choose sizes and other options when ordering
Maximum Pressure/	PFA Tubing: 172kPa (25 PSI) at 135°C (275°F)
Temperature	Polypro Shell: 207kPa (30 PSI) at 82°C (180°F)
	PVDF Shell: 207kPa (30 PSI) at 135°C (275°F)
Options	6.4mm (0.25 inches) 19mm (0.75 inch) Super 300 Pillar Type connections
	Custom sizes based on application
	Heavy-wall PFA tubing, 15.7mm (0.062 inch) wall thickness
	121mm (4.75 inches) PTFE shell

MODEL NUMBER BREAKDOWN

