Appendix A - Heater Specifications HCQ8-208-1-004-01

Model Number	Heater Assembly	HCQ8		
System		Indirect heating using near infrared heating elements.		
Performance	Heater Power	8 kW		
	Temperature Limit	Up to 200°C, depending on operating conditions.		
	Temperature	± 1.0 °C, depending on operating conditions.		
	Flow rate	From 3.75 LPM up to 35 LPM (See Figure #2)*		
	Heat-up Time	Over 2½°C /min. (See Figure #1)		
	Pressure rating	50psig Working		
Components	Heater Housing	100% PTFE		
And Construction	Temperature sensors	Type "J" thermocouples		
	Heating element	IR. Halogen lamps		
	Wetted surfaces	GE® type 214 quartz		
	Inlet/Outlet	3/4 " Quartz Male Flare Connection		
	Cooling Vent Outlet	1/2" PFA Male Flare Connection		
	Wire Leads	12FT Standard		
Safety Devices		Media over-temperature safety for Heat Transfer Vessel T/C		
		Heat chamber over-temperature safety switch		
		N ₂ /CDA Cooling pressure/flow detection switch		
		Media leakage detection safety unit (Optional)		
Power Supply		208 VAC Single phase 38.5A		
Cooling Gas		1.75-3.5 SCFM (Required) at 15-40 psig, Ultra pure N2/CDA @ 1/4"OD Compression tube connection.		

^{*} Warning: If media flow through heater unit drops bellow 1.75 LPM; the housing temperature of heater unit will exceed 65°C.

Spare parts List

Component	Part Number	Notes
IR lamp Subassembly	8417	

Notes



