

**System Specifications**

	<b>Standard</b>	<b>Options available</b>
Operating pressure	Ambient	
Operating Temperature	Ambient to 80C	
Seals	Viton	Kalrez
Electricity Supply	230V, 4A [FUSE 5A]	115V, 8A [FUSE 10A]
Frequency	50Hz	
Physical dimensions, mm (width, depth, height)	350x390x430	
Weight, kg	5	

**Component Specifications****Reservoir**

Materials of construction	Borosilicate glass	
Lid	Black Acetal	PEEK
Capacity (ml)	250	
Heater/Stirrer	IKA Control/T	
Reservoir volume probe 1 and 2 (alarm)	2 wire PT1000	
Filter in Reservoir	None	
Glass connection	GL14- Peek tube (1/8")	
Tube fitting (316 Stainless Steel)	1/8" Feed, 1/4" Return	
Nitrogen bubbler (316 Stainless Steel)	1/4"	
Reflux condenser	Optional	
Filling point	B19	
Drain valve	Borosilicate, 10mm barb	

**Gear Pump\***

Materials of construction	Peek, 316 Stainless Steel	Peek, Hastelloy C276
Tube material	316 Stainless steel	
Fittings	Swagelok 1/8" NPT	
Flow rate (ml/min)	50 - 300	

**Corrosion Flow Cell Options****Conventional Three Electrode**

Cell volume (ml)	20
Materials of Construction	Peek
O rings	Viton
Temperature probe	2 wire PT1000
Connections (mm)	1/4"
Working electrode token diameter (mm)	25.5
Working electrode token thickness (mm)	0.5
Working electrode area (cm2)	2
Counter electrode diameter (mm)	22.4
Counter electrode token thickness (mm)	0.5
Counter electrode (cm2)	2
Reference electrode diameter	1/4", 6.35mm, AgCl

**Three in one Electrode Cell**

Cell volume (ml)	20
Materials of Construction	Peek
O rings	Viton
Temperature probe	2 wire PT1000
Connections (mm)	1/4"
Working electrode token diameter (mm)	N/A
Working electrode token thickness (mm)	N/A
Working electrode area (cm2)	User determined
Counter electrode diameter (mm)	N/A
Counter electrode token thickness (mm)	N/A
Counter electrode area (cm2)	User determined
Reference electrode diameter	User determined

**Software features**

*Log in with multilevel access*

*Independent temperature and flow control of multiple stations*

*Selectable temperature profiles*

*Graphical representation of all system and process variables*

*Data logging with Excel compatible output files for reporting*

**Performance Data**

Oxygen levels during experiment (ppb)	<5
Residual cell volume after draining (ml)	0.50±0.2
Contamination after cleaning (ppb)	1
Temperature Accuracy at a Set Point of 40 C and Flow of 50mL/min	±2
Temperature Accuracy at a Set Point of 60 C and Flow of 50mL/min	±2
Temperature Accuracy at a Set Point of 80 C and Flow of 50mL/min	±2