Included with B19 fitting

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System S	pecifications	Standard	Options available

Zebrafish - Automated Corrosion Test Station

Commodity Code (Trade Tariff) 9027809900

Part Number 37270

Includes CRDs Conventional Three Electrode Cell in Glass construction suitable for Corrosion Coupons, , without computer control.

Operating pressure Ambient
Operating Temperature Ambient to 80C

 Operating Temperature
 Ambient to 80C

 Seals
 FKM
 FKM

 Electricity Supply
 230V, 4A [FUSE 5A]
 115V, 8A [FUSE 10A]

 Frequency
 50Hz

Physical dimensions, mm (width, depth, height) 350x390x430
Weight, kg 15

Components

Reservoir
Materials of construction Borosilicate glass

LidPEEKCapacity (ml)250Heater/StirrerPolar Bear Plus (heating only)

Reservoir volume probe 1 and 2 (alarm) 2 wire PT100

Filter in Reservoir None

 ${\it Glass connection} \\ {\it Impermeable, FEP coated with PVDF, 1/8"}$ 

Tube fitting (316 Stainless Steel) 1/8" Feed, 1/8" Return
Nitrogen bubbler (316 Stainless Steel) 1/8"

Reflux condenser Not included

Filling point B19

Drain valve Borosillicate, 10mm barb

Gear Pump\*

Materials of construction Peek, 316 Stainless Steel Peek, Hastelloy C276

Tube material316 Stainless steelFittingsSwagelok 1/8" NPTFlow rate (ml/min)50 - 300

Corrosion Flow Cell Options

Conventional Three Electrode in Glass (Standard) Part Number 57270
Conventional Three Electrode in PEEK (Optional) Part Number 12830

Three in one Electrode Cell in Glass (Optional)

Part Number 57280

Three in one Electrode Cell in PEEK (Optional)

Part Number 12610

Cell volume (ml) 20 20 FKM 0 rings FKM Temperature probe 2 wire PT100 2 wire PT100 Connections (mm) 1/4" 1/4" Working electrode token diameter (mm) 25.5 N/A Working electrode token thickness (mm) 0.5 N/A Working electrode area (cm2) User determined

Counter electrode diameter (mm) 22.4 N/A
Counter electrode token thickness (mm) 0.5 N/A
Counter electrode (cm2) 2 User determined
Reference electrode Ag|AgCl

Reference electrode Ag|AgCl
Reference electrode diameter (mm) 6.35mm (1/4") User determined

Labview Software Standard Avanced
Part Number 46110 52640

Software features

Log in with multilevel accessincludedincludedIndependent temperature and flow control of multiple stationsincludedincludedGraphical representation of all system and process variablesincludedincludedData logging with Excel compatible output files for reportingincludedincluded

Performance Data

 $Selectable\ temperature\ profiles$ 

 Oxygen levels during experiment (ppb)
 <5</td>

 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
 ±1

Temperature Accuracy at a Set Point of 60 C and Flow of 50mL/min ±1
Temperature Accuracy at a Set Point of 80 C and Flow of 100mL/min ±1

