Autosampler

Bulkhead Coupling SI0205

V9
VALCO Solenoid SI1251

V0
AUTOSAMPLER Solenoid SI1251

4mm Y Fitting SI1784

HELIUM/AIR AUTOSAMPLER

OXYGEN IN

1/8"

SC2502
SC0082-1
SC2010

GC Box Front

Electronic Pressure Control SI2435

EPC2

V7 NC

IN

FROM GAS BOX

1/8"

V14 NC

IN

VENT

Combustion

NCS SETUP

1/4 Nut SI1168 Reducing union SI1167

MFC2

Mass Flow Control – O2 SI2319

VENT

V10 NC

IN

Reduction

1/4 Nut SI1168 Reducing union SI1167

NCS SETUP HT-EA SETUP BELOW

H2O Trap SC0084

NO

Emasorb Trap

1

NC

6

5

4

1

V9

2

SI0767 6 Way Valco

3 CRIMP 40ml/min

V1 NC

IN

TO AUTOSAMPLER

NO

C

NC

V8

TO GC BOX

1/16"

TO 2022 FLOW METER INSIDE MASS SPEC

Fine Control Valve SI2296

CRIMP 60ml/min

V13 NC

IN

1/16"

TO GAS BOX

SI2085

SI0196

SC0073

SI0196

600° Furnace Sits infront of Reduction Furnace

FURNACE COMPARTMENT

Mass Flow Control – He SI2311

MFC1

Electronic Pressure Control SI2435

EPC1

CRIMP 15ml/min

NO

C

BLANK

NC

V6

HELIUM IN

1/8"

TO M/S (EA)

1/8"

CUT LONG SECTION OF THREAD ADAPTER OFF WHERE IT MEETS THE COLLAR

THREAD ADAPTER SI1689

COUPLING NUT SI1690

TUBE SEAL SI2469

1/8TH TOP HAT PIPE

1/8TH TO 1/16TH REDUCING FITTING

TUBE COUPLING

H2O Trap

HT-EA SETUP

TO AUTOSAMPLER PURGE

PREP COMPARTMENT

TCD SI2346

TCD

P2

P1

GAS FLOW SENSOR 1 SI0366

IN REAR COMPARTMENT

REF

Sample

P2

P1

GAS FLOW SENSOR 2 SI0366

IN PLUMBING TRAY

OW	SIMPLIFIED DRAWING	25/04/2023	D
JH	ISSUED FOR MANUFACTURE	30/05/2022	C
ISSUED BY	DESCRIPTION	DATE	REV. No.
Pyro EArth PLUMBING		DRG No 10202/005/003	
STRICTLY CONFIDENTIAL COPYRIGHT SERCON LTD			