

- SCHEMATIC COMPONENTS (○)
- *****
- A - Air Inlet
 - B - Ambient Temperature
 - C - Air Inlet Pressure Gauge
 - D - O2 Sensor Outlet
 - E - O2 Sensor EST
 - F - Integral Air Inlet Flow Restrictor
 - G - Integral N2 Outlet Flow Restrictor
 - H - Drain
 - I - N2 Buffer Vessel (Not Supplied With Generator)
 - J - N2 Outlet Regulator
 - K - N2 Outlet Pressure Gauge
 - L - O2 Calibration Valve
 - M - O2 Sensor Circuit
 - N - N2 Outlet Mass Flow Controller
 - O - N2 Vent Valve
 - P - N2 Vent Flow Control Valve
 - Q - N2 Vent Silencer
 - R - N2 Outlet Valve
 - T - EST calibration valve
 - U - Outlet oxygen calibration valve
 - V - 10ppm O2 Sensor Circuit
 - W - Dewpoint Outlet
 - X - Dewpoint Inlet
 - Y - Inlet Pressure
 - Z - Outlet Pressure
 - AA - Column A Pressure Sensor
 - AB - Column B Pressure Sensor

5/2 CONTROL VALVES (□)

- A - OA (N2 to Buffer A)
- B - OB (N2 to Buffer B)
- C - IA (Inlet A)
- D - EA (Exhaust A)
- E - EB (Exhaust B)
- F - IB (Inlet B)
- G - EQ (Equalisation)

4 OFF 6mm BLACK TUBE (EXHAUST) TO BE LABELLED BOTH ENDS & FED UNDERNEATH MANIFOLD PRIOR TO ASSEMBLY OF RETAINER PLATE & EXHAUST ENDPLATES.

AMBIENT TEMPERATURE

PIPING TABLE			
ITEM (□)	TUBING TYPE	COLOUR	TUBING LENGTH
1	4mm NYLON TUBING	CLEAR	110mm
2	4mm NYLON TUBING	CLEAR	850mm
3	4mm NYLON TUBING	CLEAR	160mm
4	4mm NYLON TUBING	CLEAR	150mm
5	4mm NYLON TUBING	BLUE	960mm
6	4mm NYLON TUBING	GREEN	1025mm
7	4mm NYLON TUBING	BLACK	960mm
8	4mm NYLON TUBING	YELLOW	1025mm
9	4mm NYLON TUBING	BLUE	1000mm
10	4mm NYLON TUBING	GREEN	930mm
11	6mm NYLON TUBING	BLACK	1350mm
12	6mm NYLON TUBING	BLACK	1425mm
13	6mm NYLON TUBING	BLACK	1340mm
14	6mm NYLON TUBING	BLACK	1420mm
15	4mm NYLON TUBING	BLACK	950mm
16	4mm NYLON TUBING	YELLOW	1035mm
17	4mm NYLON TUBING	BLACK	1130mm
18	4mm NYLON TUBING	BLACK	1130mm
19	4mm NYLON TUBING	BLUE	285mm
20	4mm NYLON TUBING	BLACK	260mm
21	4mm NYLON TUBING	BLACK	1030mm
22	4mm NYLON TUBING	BLUE	995mm
23	4mm NYLON TUBING	BLACK	1000mm
24	4mm NYLON TUBING	BLUE	970mm
25	8mm NYLON TUBING	BLACK	300mm
26	4mm NYLON TUBING	BLACK	1070mm
27	4mm NYLON TUBING	BLACK	760mm
28	4mm NYLON TUBING	BLACK	450mm
29	4mm NYLON TUBING	BLACK	450mm
30	4mm NYLON TUBING	BLACK	450mm
31	4mm NYLON TUBING	BLACK	450mm

ECO No. 0456008

REV -

PLEASE CONSIDER THE ENVIRONMENT PRIOR TO PRINTING THIS DRAWING

DO NOT SCALE - IF IN DOUBT ASK

BASED ON BS 8888 (DIMENSIONS IN MILLIMETRES)

REMOVE ALL BURRS & SHARP EDGES (DIPS)

GENERAL TOLERANCES UNLESS OTHERWISE STATED

WATER TOLERANCES	UP TO 300	+0.3
WATER TOLERANCES	OVER 300 TO 600	+0.5

POSITIONAL TOLERANCE

FLATNESS	0.13
TAPERED HOLES	0.25
CONCENTRICITY TOLERANCE	0.13 TIR

WATERED SURFACES INDICATED THIS SURFACE TEXTURE TO BS 1134 VALUES IN MICROMETRES

ANGLES ±10° (EXCEPT CHAMFERS)

METRIC THREADS TO BS 3443 MED. CLASS

EXTERNAL: 6p INTERNAL: 4p

FREE THREADS

PRESSURE TIGHT TO BS 21

SHEET METALWORK & FABRICATIONS

SHEET METALWORK DIMENSIONS	UP TO 500	±0.5
SHEET METALWORK DIMENSIONS	OVER 500 TO 1000	±1.0
SHEET METALWORK DIMENSIONS	OVER 1000	±1.5

FABRICATED PARTS DIMENSIONS

UP TO 500	±0.5
UP TO 500 TO 1000	±1.0
OVER 1000	±1.5

POSITIONAL TOLERANCE FOR PLAIN & TAPPED HOLES

UP TO 300	0.25
UP TO 300	0.25
OVER 300	0.25

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DRG No. 006500070

SHEET 1 / 1

Model No. 006500070.ipt

MATERIAL	SCALE	NAME	DRAWN	CHECKED	APPROVED	TITLE
GEN.ARRGT.	4 : 1	DATE	PS	EJ	IPD	PIPING SCHEMATIC NS+ PSA
		02/09/2024	02/09/2024	02/09/2024		