1-01 ALU/MS/BRS
41 70 32 57 9 9 100 50 40 10
M4-8PL
2x45° CHAMFER
230 60 10
6mm THICK SCALE 1:3
1-02.1 1-02.2 1-02.3 1-02.4 BRS
70-OUTSIDE ∅4 R2 15 12 6 R3 32 32
R32 79 ∅26 ∅4-6PL 8 7 15 62 16 35 35
1mm THICK PLATE SCALE 1:2
∅4-6PL ∅16-4PL 20 57 51 ∅19-4PL 11 16 IN 1 SIDE ONLY 3.5 5 R4
5 20 25 17 8 25 20 5 1
1mm THICK PLATE SCALE 1:2.5 2 REQD
R32 8 76 ∅4 18 ∅4 15
FOR ALL OTHER DIMENSION DETAILS REFER TO 1-02.1
1mm THICK PLATE SCALE 1:2
1-03.1 1-03.2 1-03.3 M3 ∅40 ∅23 17 4
7 6 5 ∅26LPF ∅28 SCALE 1:1.5
3 ∅20 ∅40 SCALE 1:1.5
SR3 14 2 7 3 R9
1-05.5 8 2 5 6 M8 2 REQD
∅50 ∅48 32 56 12 ∅8 ∅5 SCALE 1:2
10HEX ∅5 3 8 M8 2 SEAL
8 3 10HEX M8 SEAL 2
1-05.1 1-05.2 1-05.3 1-05.4 1-05.5 1-05.6 1-05.7 1-05.8
∅48 ∅6 20 1mm THICK SCALE 1:2 2 REQD
R5 ∅4 40 2mm THICK SCALE 1:2 2 REQD
∅8 M5 8
1-06.1 1-06.2 1-06.3 1-06.4 1-06.5 1-06.6 1-06.7 1-06.8 1-06.9 1-06.10 1-06.11 1-06.12 1-06.13
∅6 48 REQD ∅2 5.2 11° 11° 14.5 14.5 SECTION A-A SCALE 1:2
4 28 38 19.5 10.5 10.5 19 16.5 10 4 ∅25 ∅6 ∅8 ∅5 ∅8
∅64 ∅61 2-24HESOC 2-24HESOC ∅64 A A 16 ∅25 116 ∅6 28 SCALE 1:2
B B SCALE 1:2 R70 R5 4 4 67 SR4 M5 M8 ∅6 8 18 ∅50 ∅61PF SECTION B-B SCALE 1:2
∅2 3.5 24HESOC
SOLDER ENTIRE UNIT 27 5 20 60
TUBE 5x4 R5.5 60.5 35.5 SCALE 1:2
1mm THICK PLATE SCALE 1:2.5 R6 24 ∅4 6 6 70 6 1mm THICK SCALE 1:2
∅14 ∅12 ∅4 46 10 9 SCALE 1:2 ∅12 48 SCALE 1:2
WICK MATERIAL BRS CU 50 16 SOLDER 72.5 R11.5 45 10 14 14 7 17 SCALE 1:2
R5.5 ∅10 ∅8 22 22 SCALE 1:2 TUBE 5x4
∅25 ∅23 130 95 ∅5
R2 C ∅15 ∅10 R22 3 2 5 15 2 10 1 C ∅36LPF ∅40 ∅43 ∅46
∅38 ∅36LPF 47 ∅38 ∅36LPF 9.5 5 R32 SCALE 1:1.5 SCALE 1:2
M5 8 18 ∅26 SECTION C-C SCALE 1:1.5
BRZ M8 ∅6 ∅4 6 ∅6 BRS 8 4 SCALE 1:1.5 11HEX ∅5 M8 1.5 SEAL SCALE 1:1.5
CU TUBE 8x6.5 96 78.5 R6 R6 8.5 36 SCALE 1:2.5
TUBE 6x5 R5 R5 35 SCALE 1:2 28.5 26 11 3 7 10 SCALE 1:1.5
11HEX ∅6 3 9 2 SEAL M8 SCALE 1:1.5
∅9 ∅10 9 O-RING SCALE 1:2 70 22.5
R17 R9.5 R9.5 10 R9.5 52 60 65 ∅6 ∅5 10 REFER TO 1-06.3 FOR ALL OTHER DIMENSION DETAILS SCALE 1:2
CU TUBE 6x5 SCALE 1:2.5 107 12.5
∅50 ∅47 ∅32 ∅28 ∅25 7.5 1 2 11.5 6 R8.5 R4.5 ∅28 2 SCALE 1:2
SOLDER BRS 13HEX ∅8 ∅6 15HEX M12 SEAL 3 12 2 SCALE 1:2 SCALE 1:1.5
1-09.1 1-09.2 1-09.3 SOLDER BRS
1-10.1 1-10.2 1-10.3 1-10.4 1-10.5 1-10.6 1-10.7 SOLDER

NOTES: THIS DESIGN IS BASED ON A SKETCH WHICH I FOUND ON THE INTERNET. THE SKETCH AND ACCOMPANIED ARTICLE WERE BY W.MARSHALL BLACK. DATE AND MAGAZINE ARE UNKNOWN

TITLE
A VERY SIMPLE STATIONARY STEAM PLANT FOR BEGINNERS

DRAWING CONTENTS
PARTS AND ASSEMBLIES

PROJECT No 01-36-00
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PROJECTION JDWDS
DATE JULY 2019
SHEET: 02 OF 04

MODEL SCALE: 1:1
DWG SCALE: 1:1 @A3 OR AS SHOWN
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