

NOTE:  
THE SEAL TO PROCESS WINDOW WILL REFLECT NOMINALLY 14% OF THE INCIDENT RADIANCE.  
THEREFORE, THE SCANNER EMISSIVITY SHOULD BE SET TO 0.86 MULTIPLIED BY THE TARGET EMISSIVITY TO COMPENSATE FOR THE ADDITIONAL WINDOW.  
FOR EXAMPLE, A BLACK BODY CORRECTION WILL BE  $0.86 \times 1 = 0.86$   
FOR EXAMPLE, A PLATE OF OXIDISED STEEL WILL BE  $0.86 \times 0.85 = 0.73$ .

FOR INSTRUMENT WATER COOLED PLATE

WATER OUTLET  
1/4" BSP FEMALE

WATER INLET  
1/4" BSP FEMALE

FIT 3/8" BLANKING PLUG  
(802730) TO AIR INLET

Ø645.0

O RING 6.99 DIA X 532.26 I/D TO  
SUIT PROCESS REQUIREMENTS

SCAN PLANE

320mm CLEARANCE  
HEIGHT TO OPEN LID

A-A ( 1:4 )

117.9 SCAN  
ROTATION CENTRE

80° SCAN ANGLE

342.2

46.0

24.0

FIXING HOLES 20 OFF  
Ø22.0 ON A 600.0 P.C.D.

FLANGE DIN2527 PN6

WATER INLET  
1/4" BSP FEMALE

PNEUMATIC BULKHEAD  
1/4" BSP FEMALE

WATER OUTLET (STP)  
1/4" BSP FEMALE

FLOW RATE 250-300 l/min

4x M12 TAPPED HOLES (FOR  
FITTING LIFTING EYES) NOT  
SUPPLIED BY LAND INSTRUMENTS

WATER FLOW RATE FOR BOTTOM PLATE &  
SCANNER WATER COOLED PLATE  
WATER pH LEVEL MUST BE WITHIN 6.5 - 8.5pH  
FLOW RATE 90-120 l/hour  
MAX PRESSURE 6kg/m<sup>2</sup>  
MAX TEMPERATURE 30°C  
MAX AMBIENT TEMPERATURE 80°C

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DROWFIELD  
SHEFFIELD  
S18 1DU

DO NOT SCALE

ORIGINALLY USED ON PRODUCT TYPE  
#70010240

SHEET  
1 of 1

PROJ. TITLE  
Installation Drawing Heavy Steel & STP

TOLERANCES UNLESS  
OTHERWISE STATED:  
DIMES ± 0.1,  
ANGLES ± 1°,  
SLOPES ± 1:10  
ALL SHARP CORNERS ROUNDED  
EXTL. CORNERS R10.50

MATERIAL  
FINISH  
As Materials

DIMENSIONS  
ARE IN  
MILLIMETRES

MODIFICATION  
DATE  
ISSUE  
DRAWN: L.aminshaw  
DATE: 20/04/2007  
CHECKED: SCALE: ORIGINAL 1:3  
APPROVED: DATE: DRAWN: A1- 740-048  
P.0400

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