

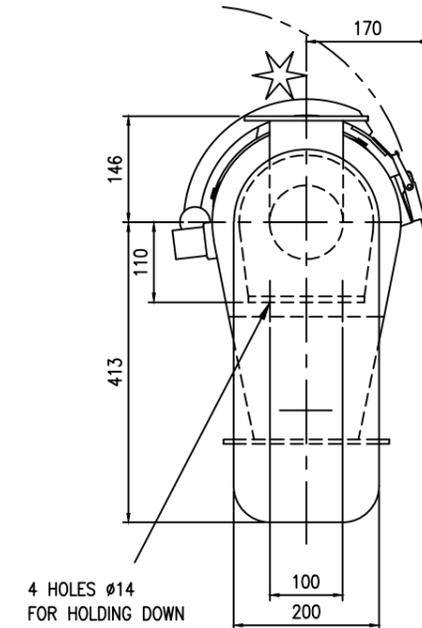
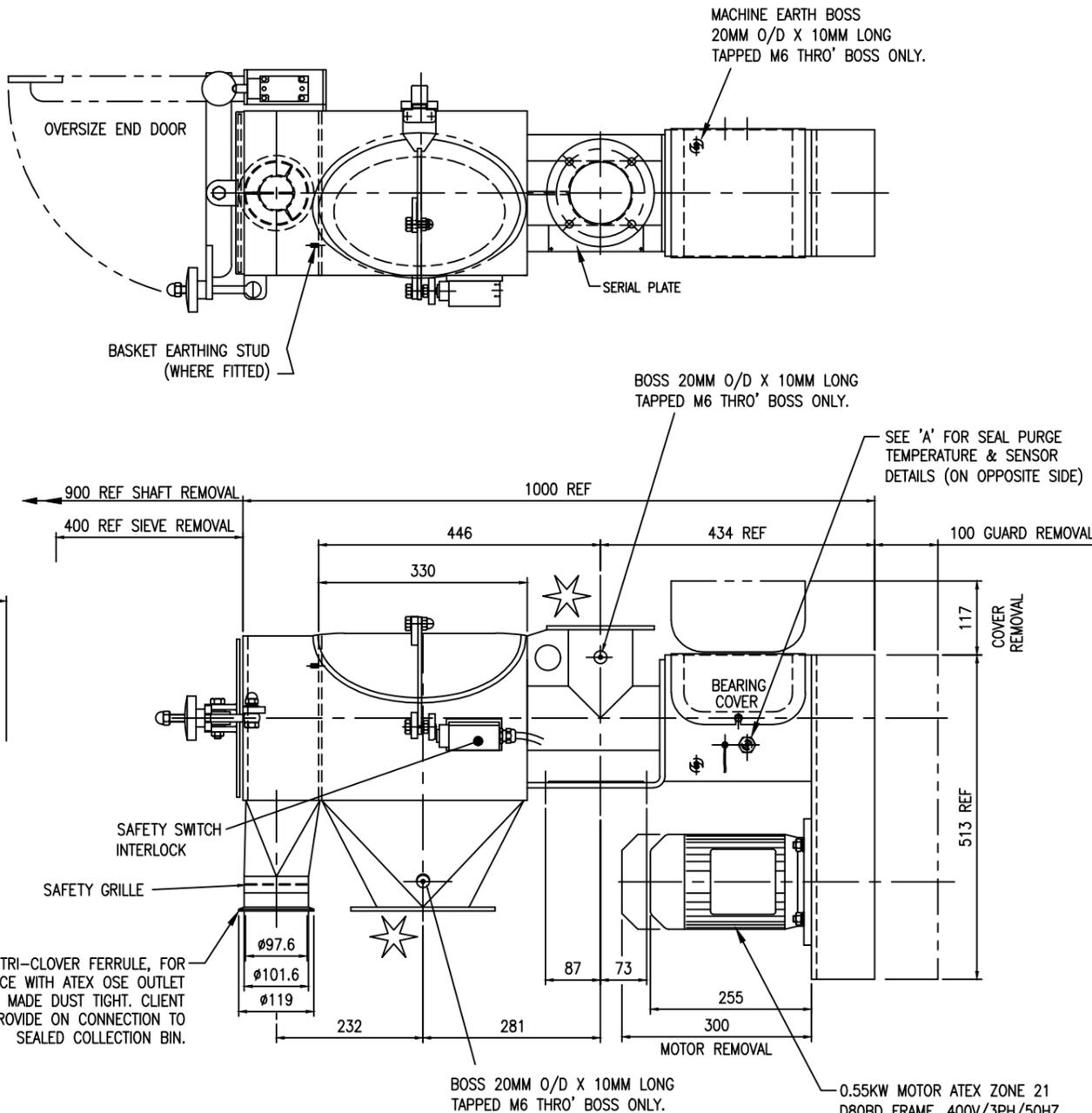
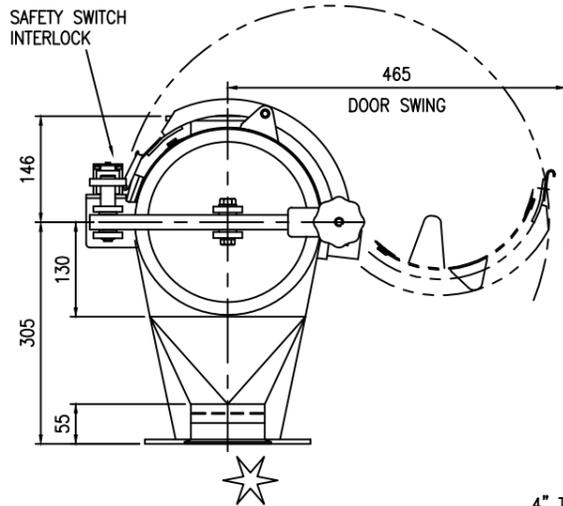
NOTES:-

- 1) INLET & OUTLET CONNECTIONS MUST BE SUITABLY GUARDED BY CLIENT TO PREVENT OPERATOR ACCESS TO ROTATING/MOVING PARTS IN LINE WITH RELEVANT REGULATIONS (BS EN ISO 13857:2008/PD5304:2014 ETC)
- 2) ALL SAFETY INTERLOCKS MUST BE WIRED INTO MOTOR CONTROL CIRCUIT TO PREVENT THE MOTOR RUNNING OR DE-ENERGISE THE MOTOR IF ALREADY RUNNING SHOULD THE INTERLOCKS BE ACTUATED BY OPENING ANY DOOR. REFER TO INSTRUCTION MANUAL. INTERLOCKS PROVIDED WITH 1 PAIR N/C CONTACTS AND 1 PAIR N/O CONTACTS. THE CLIENTS SUPPLY CONTROLS SYSTEM MUST BE DESIGNED TO ACHIEVE A PERFORMANCE LEVEL (PLr) CATEGORY 'd' AS DEFINED IN BS EN ISO 13849-1:2015.
- 3) SCREEN AREA: 0.086m² (NYLON MESH)
0.077m² (WIRE MESH)
- 4) APPROX NET WEIGHT: 50KG
- 5) SIFTER SPEED 970RPM. ANTI-CLOCKWISE ROTATION WHEN VIEWED FROM THE OVERSIZE END
- 6) EARTH BOSSSES (EACH FITTED WITH M6 PAN HD SCREW & LOCKING WASHER) PROVIDED TO FACILITATE EARTH CONTINUITY ACROSS INLET AND FINES OUTLET FLANGES. CLIENT MUST USE THESE TO ENSURE EARTH CONTINUITY TO UPSTREAM AND DOWNSTREAM EQUIPMENT. EARTH CONTINUITY TO OVERSIZE END IS ACHIEVED BY CLIENT SUPPLY STAINLESS STEEL TRICLAMP AND MATING STAINLESS STEEL FERRULE. MACHINE EARTH BONDING BOSS LOACTED ON UNDERSIDE OF DRIVE BRACKET.

DO NOT SCALE DRAWING - IF IN DOUBT ASK

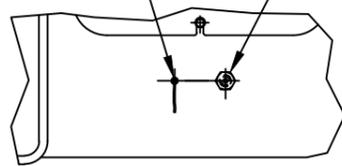
NOTES CONTINUED:-

- 7) PT100 BEARING TEMPERATURE SENSOR (OPTIONAL, THIS IS NOT REQUIRED FOR ATEX CERTIFICATION) WHEN USED, IT MUST BE CONNECTED TO SUITABLE TRIP AMPLIFIER VIA AN IS BARRIER (USUALLY OF CLIENT SUPPLY). TRIP AMPLIFIER SET POINTS SHOULD INITIATE AN ALARM AT 113°C AND AN IMMEDIATE SHUT DOWN AT 116°C.
- 8) SPECIAL CONDITIONS OF USE REQUIRED FOR ATEX COMPLIANCE ARE:-
8.1 AIR SUPPLY TO SHAFT PURGE SEALS MUST BE FILTERED, CLEAN AND DRY
8.2 WHEN ANTI-STATIC NYLON HOSES ARE FITTED AN EARTH STRAP MUST BE CONNECTED FROM BASKET TO SIFTER BODY. THIS IS NOT NECESSARY FOR ALL OTHER BASKET OR MESH TYPES.
8.3 POWDERS USED WITH THIS EQUIPMENT SHALL HAVE AN IGNITION ENERGY OF GREATER THAN OR EQUAL TO 3mJ.
8.4 THE EQUIPMENT MUST BE CONNECTED TO EARTH APPROPRIATELY.
8.5 FOR COMPLETE LIST OF SPECIAL CONDITIONS OF USE SEE THE ATEX CERTIFICATE OF CONFORMITY.
- 9) ATEX CERTIFIED FOR ZONE 20 INTERNALLY & SUITABLE FOR ZONES 21 OR 22 EXTERNALLY. SIFTER ATEX MARKED AS FOLLOWS:-
CE Ex II 1/2D Ex h IIC T135°C Da/Db TA = 0°C ≤ Ta ≤ +40°C or
CE Ex II 1/3D Ex h IIC T135°C Da/Dc TA = 0°C ≤ Ta ≤ +40°C



CABLE GLAND FOR PT100 TEMPERATURE SENSOR, CABLE LEFT COILED UNDER BRG COVER. THIS IS OPTIONAL AND IS NOT REQUIRED FOR ATEX COMPLIANCE

AIR PURGE CONNECTION FOR 6mm O/DIA TUBE. REQUIRES FILTERED, CLEAN, DRY AIR SUPPLY. FIT PRESSURE REGULATOR WITH RANGE 0 TO 1.0 BarG

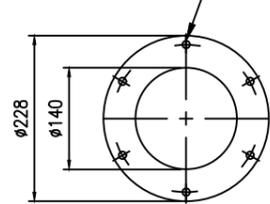


DETAIL 'A'
SEAL PURGE & TEMP SENSOR DETAILS

NAME & ADDRESS OF MANUFACTURER	PROCESS COMPONENTS LTD RIPPER HOUSE, LONDON ROAD SOUTH POWELL ROAD, S21 1PD SHEFFIELD S21 1PD
TYPE IDENTIFICATION	XXXXXXXXXXXXXXXXXXXX
SERIAL NUMBER & YEAR OF CONSTRUCTION	XXXXXXXXXXXXXXXXXXXX
CERTIFICATE NUMBER	161428000X
CONFORMITY CLASSIFICATION	CE Ex II 1/2D Ex h IIC T135°C Da/Db Ex II 1/3D Ex h IIC T135°C Da/Dc
PERMITTED TEMPERATURE RANGE	0°C TO +40°C

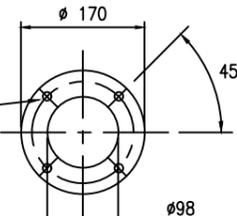
ATEX SERIAL PLATE

6 HOLES Ø10 EQUI-SPACED ON A 203 P.C.D. AS SHOWN



OUTLET FLANGE DETAIL

4 HOLES Ø12 EQUI-SPACED ON A 140 P.C.D.



INLET FLANGE DETAIL

PCL REF NOTE:- BASED ON DS558 & A15038001

RELATED TO SCHEDULE DRAWINGS	 RELATED DRAWING
CDRG-KCSIFT-01	
CDRG-KCSIFT-04	

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SCALE
1:10

DATE
18/10/2010

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DRAWING SPECIFICATIONS
UNLESS OTHERWISE STATED
Screw threads to BS3643
ISO Metric Coarse Pitch Series (Medium Fit)
Surface Finish to BS1134 in micrometres
Welding Symbols to BS499 Part 2
Dimension & Geometrical Tolerances to BS308
Limits & Fits to BS4500
Remove all sharp edges and burrs

TOLERANCE SPECIFICATIONS
UNLESS OTHERWISE STATED

SHEET METAL DIMENSIONS	MACHINED DIMENSIONS
0 to 300 ± 1.00	0 to 150 ± 0.30
300 to 1000 ± 2.00	Over 150 ± 0.60
Over 1000 ± 3.00	
ANGULAR DIMENSIONS	UNMACHINED DIMENSIONS
± 0°-30'	0 to 150 ± 0.50
	Over 150 ± 1.50

ALL DIMENSIONS IN MILLIMETRES
THIRD ANGLE PROJECTION
For all material, weld and finish specifications refer to purchase/works order unless stated otherwise

ISSUE B
GENERAL UPDATE IN ACCORDANCE WITH ATEX CERTIFICATION, NOW A 'RELATED' DRG
PB 05/06/18

TITLE
K300C SIFTER RH
ATEX TYPE CERTIFIED

DRAWING No
A3 DS568

ISSUE
B