

2. SPECIFICATIONS:

IDENTIFICATION	
Machine :	Vertical centrifuge
Type :	SC-125 Vx R w/ TITUS HEAD
Identification n° :	125043
RANGE OF USE	
Possible uses for this machine :	- Filtration
Environment :	- Operation possible in Class 1, Div. 1, Grp. C&D area - Ambient temperature : 10 to 40° C
Products treated by this machine	- Safe for humans - Chemically compatible with materials listed below - Temperature : 0 to 60° C
Materials in contact with the product treated:	
. metals	316L Stainless Steel
. peephole	Glass \Goretex ® \ PTFE
. O-ring seals \ lip seals :	PTFE coated Silicon or Viton ® \ PTFE
Maximum load :	Not applicable to this machine
Maximum speed \ maximum G effect of bowl :	Not applicable to this machine
Maximum load :	500 kg
Maximum speed \ maximum G effect of basket :	1000 RPM \ 700 G
Min\Max. pressure inside the machine :	Atmospheric pressure - 0 \ + 40 mbar
ELECTRICAL EQUIPMENT	
Motor . type :	30 Hp, 1800 RPM, 286T, 6-60Hz VT, 60-90Hz CHP
. protection :	Class I, Div 1, Grp. C&D, T3C
. thermal protection :	Thermal switch in winding
Control panel :	STAHL PANEL
AC drive:	RELIANCE, GV-3000, 460 VAC
Braking:	BONITRON, M3345, 60 amp
Vibration sensor :	METRIX (ST5484E), & WILCOXON (793E)
Oxygen monitor:	Not applicable to this machine
Process lamp :	JM CANTY, HYL-80
Bearing transmitters :	ROSEMOUNT, 644
Other equipment in area (solenoid valves, sensors,)	SEE APPENDIX
MISCELLANEOUS	
Blanketing system by nitrogen circulation :	Not applicable to this machine
Bowl :	Not applicable to this machine
Int. diam\ decantation surface \ useful bowl volume :	Not applicable to this machine
Main accessories in decanter configuration :	Not applicable to this machine
Basket :	
Int. diameter\ filtering surface \useful basket volume:	1250 mm\2.47 m ² \ 400 liters
Main accessories for spin drying configuration :	1 feed ; 1 wash; filter liner w/ backing screen; titus head
Lubrication of machine bearings:	ROYAL PURPLE, Ultra Performance, NLGI 2
Airborne noise emitted (acoustic pressure) :	Approx. 80 dB(A)
All inner surfaces polished to Ra:	0.4 µm
All external stainless steel surfaces polished to Ra:	0.8 µm
Rotor Grounding :	Not applicable for this machine
Clean In Place (C.I.P.) :	Refer to Section 6.10 for details
CONNECTIONS	
Process connections :	see Installation drawing and connection summary
Cover Lock:	Pneumatic
Nitrogen supply :	Maintain a positive pressure (below 16"W.C.)
Instrument air supply:	60-90 PSI
Electrical cabinet supply :	see electrical drawing 043019
Grounding	maximum 1 ohm impedance
WEIGHTS AND DIMENSIONS	
Mass \ machine size:	4450 kg \ lid open H=2570 * L=2350 * D=2140 mm
Bowl mass :	not applicable to this machine
Basket mass :	890 kg