

Für die Anordnung der Stützen und Anbauten ist nur die Draufsicht maßgebend!  
 LOCATION OF NOZZLES AND EXTENSIONS ACCORDING TOP VIEW

Einzelgewicht / Weights	
Motor	~ 425 kg
Getriebe / Gearbox	~ 2300 kg
Lagerung / Bearing	~ 500 kg
Dichtung / Stuff box	~ 100 kg
Mischorgan / Impeller	~ 1390 kg
Behälter / Vessel	~ 5600 kg
Entleerarmatur / Valve	~ 200 kg
<b>Total (Leer/Empty)</b>	<b>~ 10515 kg</b>

No	Bezeichnung / Identification	DN	Orientierung / Orientation
N38	Entlüftung Vent. Heat. Jacket	3/8"	
N37	Heizung AUS Heating OUT	1"	
N36	Heizung EIN Heating IN	1"	
N34	Druckanzeige Pressure Indicator	50	
N33	Stickstoff Nitrogen	1"	
N32	Filter Filter	300	
N31	Vakuum Vacuum	3"	
N30	Filter Filter	300	
N24	Sicherheitsventil Safety Valve	80	
N23	Druckanzeige Pressure Indicator	50	
N22	Belüftung Ventilation	50	
N21	Filterbypass Filter Bypass	100	
N20	Temperatur Temperature	1/2"	
N19	Entlüftung Vent. Heat. Jacket	3/8"	
N18	Heizung AUS Heating OUT	3"	20°
N17	Heizung EIN Heating IN	3"	160°
N16	Heizung AUS Heating OUT	3"	20°
N15	Heizung EIN Heating IN	3"	160°
N13	Multiglocke Multiport	250	315°
N12	Produkt Temperatur Product Temperature	25	200°
N11	Probenahme Steam Port / Sampling Valve	150	180°
N10	Entwässerung Drain with blind	40	90°
N9	Produkt AUS Product outlet	350	zentr.
N8	Mantelheizung AUS Heating outlet with blind	40	90°
N7	Mantelheizung EIN Heating inlet with blind	50	170°
N6	Bedüsung Sparger with blind	40	45°
N5	Schauglas Sight glass	150	90°
N4	Vakuum / Befüllung Vacuum / Filling with Butterfly Valve	125	135°
N3	Produkt EIN / Filter Product Inlet / Filter	300	0°
N2	Mannloch Manhole	500	90°
N1	Rührwerksflansch Agitator Flange	500	zentr.

**Stützentabelle / Nozzle Index**

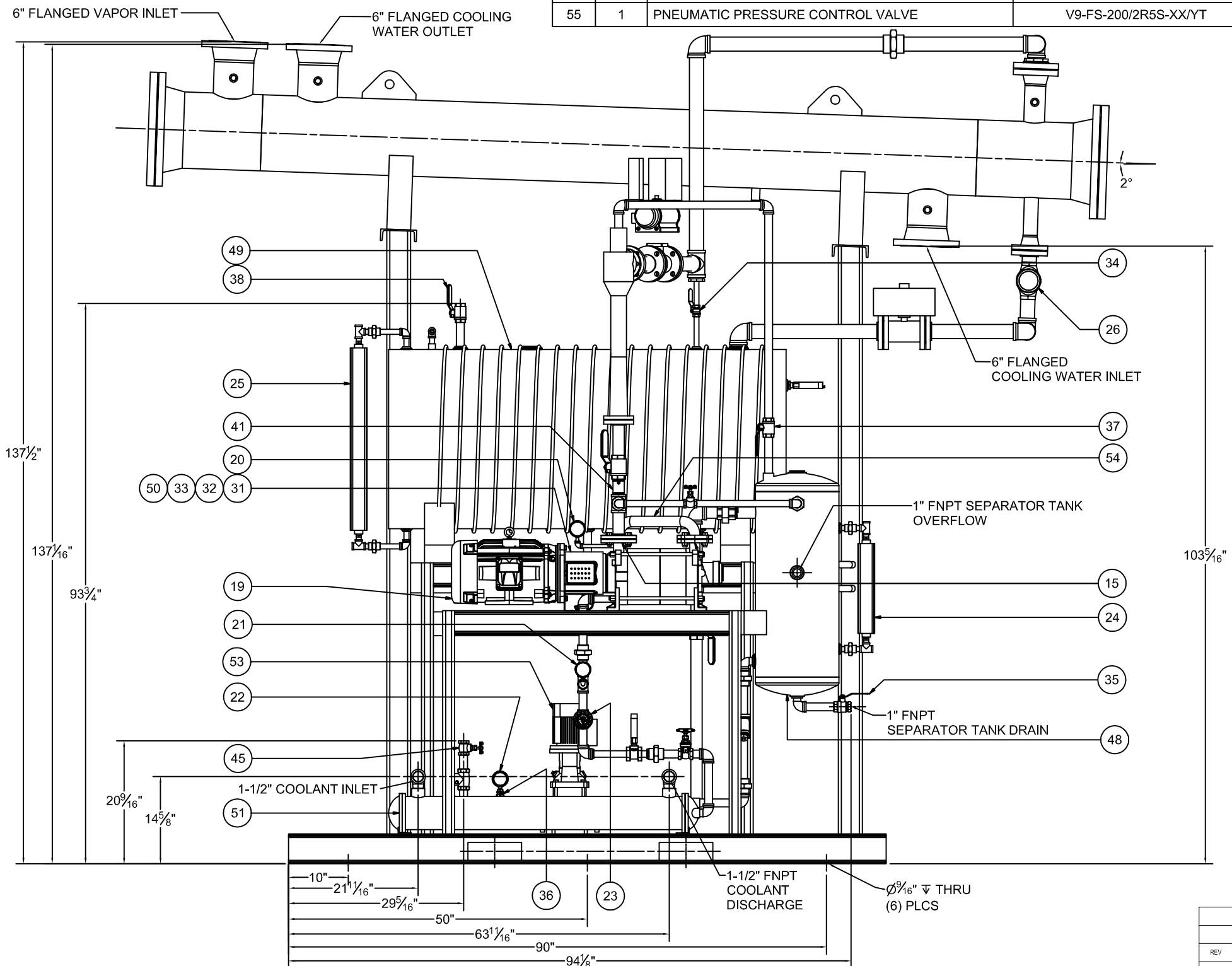
Kunde/Customer : Alliance Eng./Nutriati  
 Po-No. : 16035B-060816  
 Serial-No. : 30013780  
 Specification No. : 6710.28026.52

**NOTES:**

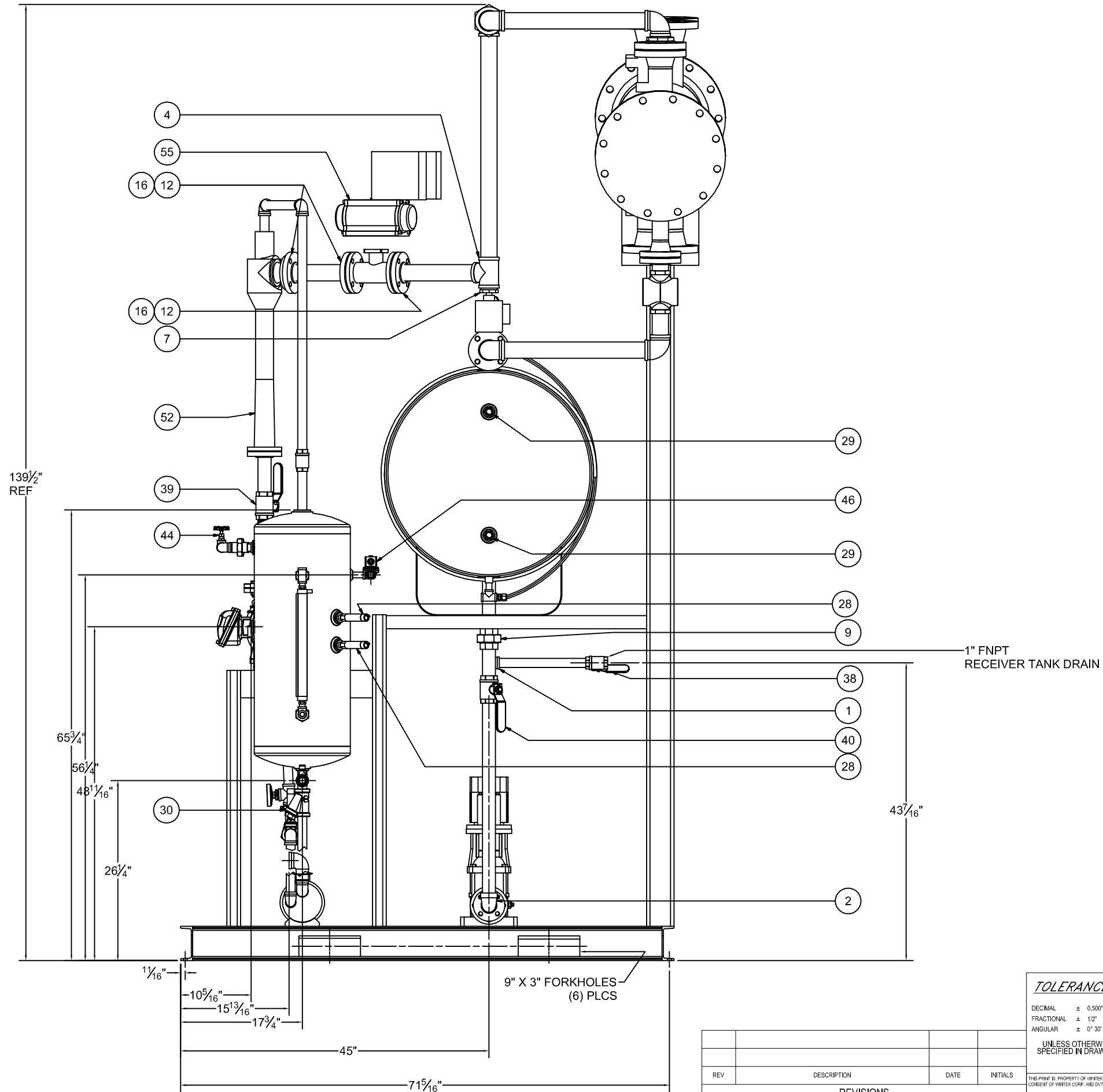
- 1) SECURE SYSTEM ON A LEVEL SURFACE
- 2) PRECONDENSOR TO BE MOUNTED WITH A 2° TILT
- 3) PLUG ALL UNUSED PORTS WITH SQUARE NPT PLUGS
- 4) CONDENSATE RECEIVER TANK TO BE WRAPPED IN 1/2" COPPER COIL (~3" BETWEEN COILS) WITH ARMAFLEX INSULATION OVER COILS
- 5) ALL UNIONS TO BE CLASS 3000
- 6) PRECONDENSER AND CORRESPONDING PIPING REMOVED FOR SHIPPING
- 7) PRECONDENSER REQUIRES ~175 GPM OF 12C 30% EG COOLING WATER
- 8) SEALANT HEAT EXCHANGER REQUIRES ~15 GPM OF 12C 30% EG COOLING WATER

BILL OF MATERIALS			
ITEM	QTY	DESCRIPTION	PART NUMBER
45	1	VALVE, GLOBE 1" THD 316 SST	835-0100-J000
46	1	VALVE, SOL 1/2" THD N7 NC 120V 5 PSI BRASS/BUNA	855-0050-B001
47	1	VALVE, ACTUATED 2" FULLPORT SS	886-0200-0000
48	1	TANK, SEPARATOR 1-1/2" HSC 4, CS	903-0150-0002
49	1	TANK, CONDENSATE RECEIVER, 30"ODX66.5", 304SS	905-1606-2001
50	1	M-BLOCK ASSY TRS/H40 215T	AMB-TR40-215T
51	1	HEAT EXCHANGER, SHELL&TUBE, 4 PASS	C1260
52	1	AIR EJECTOR	CR21.5Y
53	1	CR11-6, 0.75HP, XPFC, 2P. EPDM, TRANSFER PUMP	CR11-6
54	1	TRHE 40-190/C/RX -WITH FLANGES	RHE40A01355
55	1	PNEUMATIC PRESSURE CONTROL VALVE	V9-FS-200/2R5S-XX/YT

BILL OF MATERIALS			
ITEM	QTY	DESCRIPTION	PART NUMBER
1	2	ELBOW, 1" THD 150# 316SS	111-0100-0223
2	1	ELBOW, 1-1/2" THD 150# 316SS	111-0150-0223
3	6	ELBOW, 2" THD 150# 316SS	111-0200-0223
4	1	TEE, 2" THD 150# 316SS	121-0200-0223
5	1	TEE, RED 1" X 1/4" X 1" THD 150# 316SS	123-0125-0123
6	1	REDUCING BUSHING, 1-1/4" X 1" 316SS	137-0705-0223
7	1	REDUCING BUSHING, 2"X1/2" 316SS	137-0904-0223
8	1	REDUCING BUSHING, 3"X2" 316SS	137-1109-0223
9	1	UNION, 1.5" THD CLASS 3000 316SS	155-0150-0023
10	1	UNION, 2" THD CLASS 3000 316SS	155-0200-0023
11	2	FLANGE, 1-1/4" THD 150# 316SS	161-0125-7023
12	6	FLANGE, 2" THD 150# 316SS	161-0200-7023
13	1	FLANGE, 3" THD 150# 316SS	161-0300-7023
14	2	GASKET, FLAT 2.5" OD X 1.7" ID X 0.092" GARLOCK 5500	176-0302-0000
15	2	GASKET, 3-1/2" OD X 1-5/8" ID, 1/16"THK, GARLOCK 5500	176-0402-0005
16	6	GASKET, 4" OD X 2-3/16"ID, 1/16" THK, GARLOCK 5500	176-0422-0000
17	1	GASKET, 5.25" ODX3"ID, 1/16" THK, GARLOCK 5500	176-5303-0000
18	1	PRECONDENSER	1NEN12-120
19	1	MOTOR, 10HP XP 215TC, 575V/3/60, 4 POLE	260-0100-0000
20	1	GAUGE, VAC 0-30" HgV BRASS	400-0025-B000
21	1	GAUGE, COMPOUND 30 in. Hg/0/15 PSI 2.5" DIAL BRASS	401-0025-F000
22	1	GAUGE, PRESSURE 0/60 PSIG 316 SST 2.5" DIAL	402-0025-B012
23	1	GAUGE, TEMP 20/240° F 304 SST	410-0050-F001
24	1	GAUGE, LEVEL 28-1/2" X 1/2" MNPT CS/VITON	420-0050-D190
25	1	GAUGE, LEVEL 28-1/2" X 1/2" MNPT SS/PTFE	420-0050-D300
26	1	SIGHT FLOW INDICATOR, 2" FNPT, 316SS	422-0200-A000
27	1	SWITCH, FLOW 0.75 FNPT N7 BRS/CI/MIT	460-0075-A002
28	2	SWITCH, LEVEL 1" XP BRS/304SS FLOAT	465-0100-A000
29	2	SWITCH, LEVEL 1" XP 303 SST/304 SST FLOAT	465-0100-A001
30	1	STRAINER, Y 1" FNPT CI 20 MESH	660-0100-C000
31	1	COUPLING, DRIVE 7S 1.375 CI	702-0700-B137
32	1	COUPLING, DRIVE 7S 28MM CI	702-0702-B028
33	1	ELEMENT, COUPLING SIZE 7-JE	752-0700-B001
34	1	VALVE, BALL 1/2" THD. FP SST/SST/TEFLON	801-0050-A004
35	1	VALVE, BALL 1" THD. SP BRONZE/CHROME/TEFLON	801-0100-D000
36	1	VALVE, BALL 0.25" FNPT, FP, 316SS/PTFE	802-0025-0000
37	1	VALVE, BALL 1" THD. FP BRASS/BRASS/PTFE	802-0100-B000
38	2	VALVE, BALL 1" THD. FP 316 SST/316 SST/PTFE	802-0100-C000
39	1	VALVE, BALL 1-1/2" THD. FP BRASS/SST/PTFE	802-0150-B000
40	1	VALVE, BALL 1-1/2" THD. FP 316 SST/316 SST/PTFE	802-0150-C002
41	1	VALVE, CK HNG 1-1/2" THD CS/VITON	820-0150-B001
42	1	VALVE, CK SWG 1" THD 316SS/PTFE	821-0100-F003
43	1	VALVE, GATE 1" THD. BRONZE/BRASS	830-0100-XXXX
44	1	VALVE, GLOBE 3/4" THD BRONZE/TEFLON	835-0075-A000

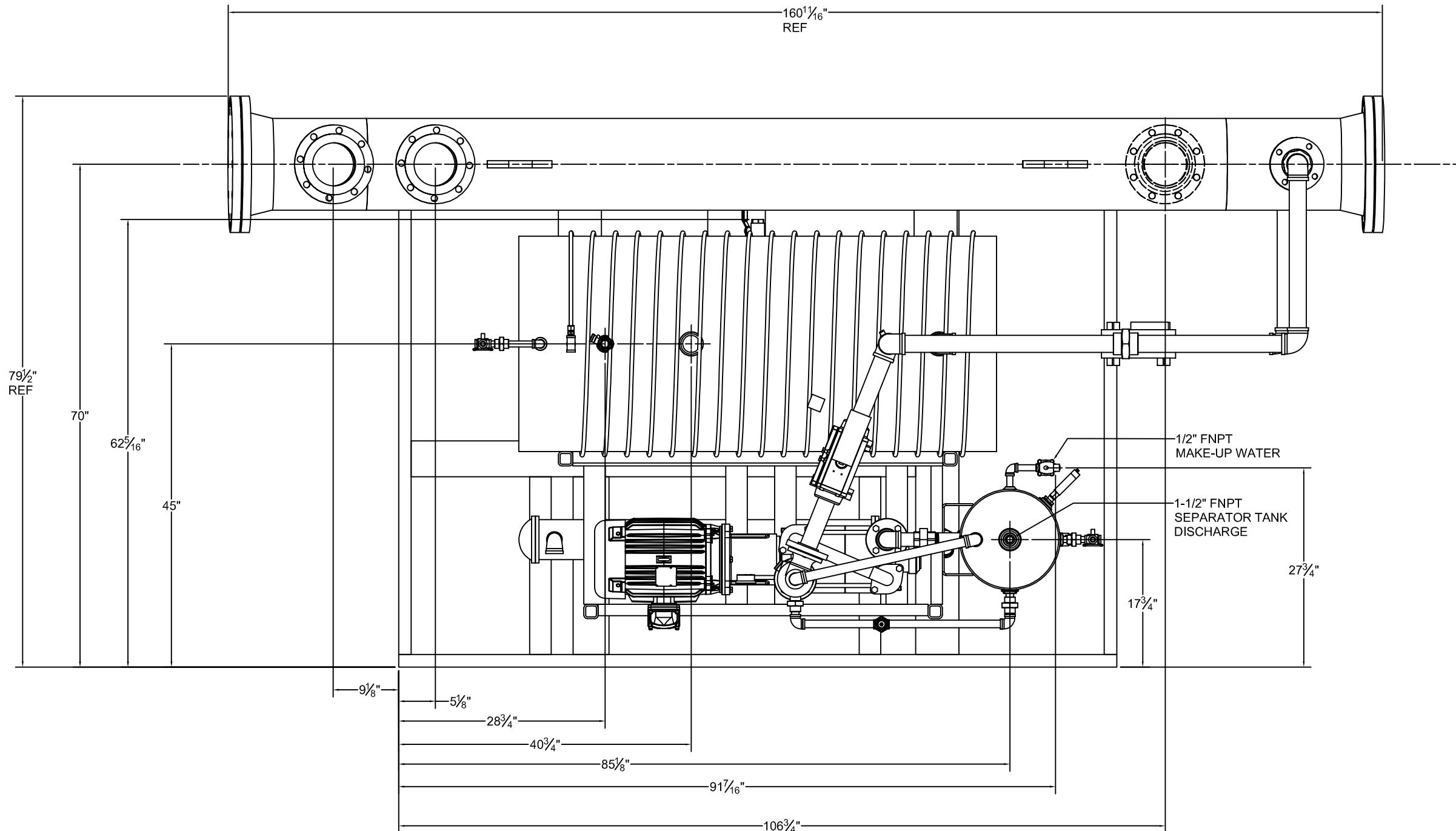


<b>TOLERANCES</b>		SYSTEM MODEL NO. CR200ss-E-WSS-140/2-1FR	For technical support contact:
DECIMAL ± 0.500"	FRACTIONAL ± 1/2"	PART NO. SC2IX1907H24XE4	 230 US HWY 200 STE 401 FLANDERS, NJ 07836 PH: (973) 252-8200 Fax: (973) 252-8233
ANGULAR ± 0° 30' 00"	UNLESS OTHERWISE SPECIFIED IN DRAWINGS	DWG BY: JGU CHK BY: RR DATE: 6/16/16	
REVISIONS		WEIGHT: 4,500 lbs.	DESCRIPTION: Full Recovery Liquid Ring Vacuum System Sheet 1 of 4
REV	DESCRIPTION	DATE	INITIALS
160612	1607252		



<b>TOLERANCES</b> DECIMAL ± 0.500" FRACTIONAL ± 1/2" ANGULAR ± 0° 30' 00" UNLESS OTHERWISE SPECIFIED IN DRAWING	SYSTEM MODEL NO: CR200ss-E-WSS-140/2-1FR	For technical support contact: <b>W I N T E K</b> C O R P O R A T I O N 230 US HWY 206 STE 401 FLANDERS, NJ 07836 Ph: (973) 252-4200 Fax: (973) 252-4233				
	PART NO: SC2IX1907H24XEA					
	DWG BY: JGJ    CHK BY: RR    DATE: 6/16/16					
	WEIGHT: 4,500 lbs.    SCALE: NTS					
THIS PRINT IS PROPERTY OF WINTEK CORP. AND DVT AND MAY NOT BE GIVEN TO ANY OTHER CONCERN WITHOUT THE CONSENT OF WINTEK CORP. AND DVT. SYSTEM MANUFACTURED BY DVT.						
REV	DESCRIPTION	DATE	INITIALS	SERIAL NO: 160612	DRAWING NO: 1607252	REV: 0

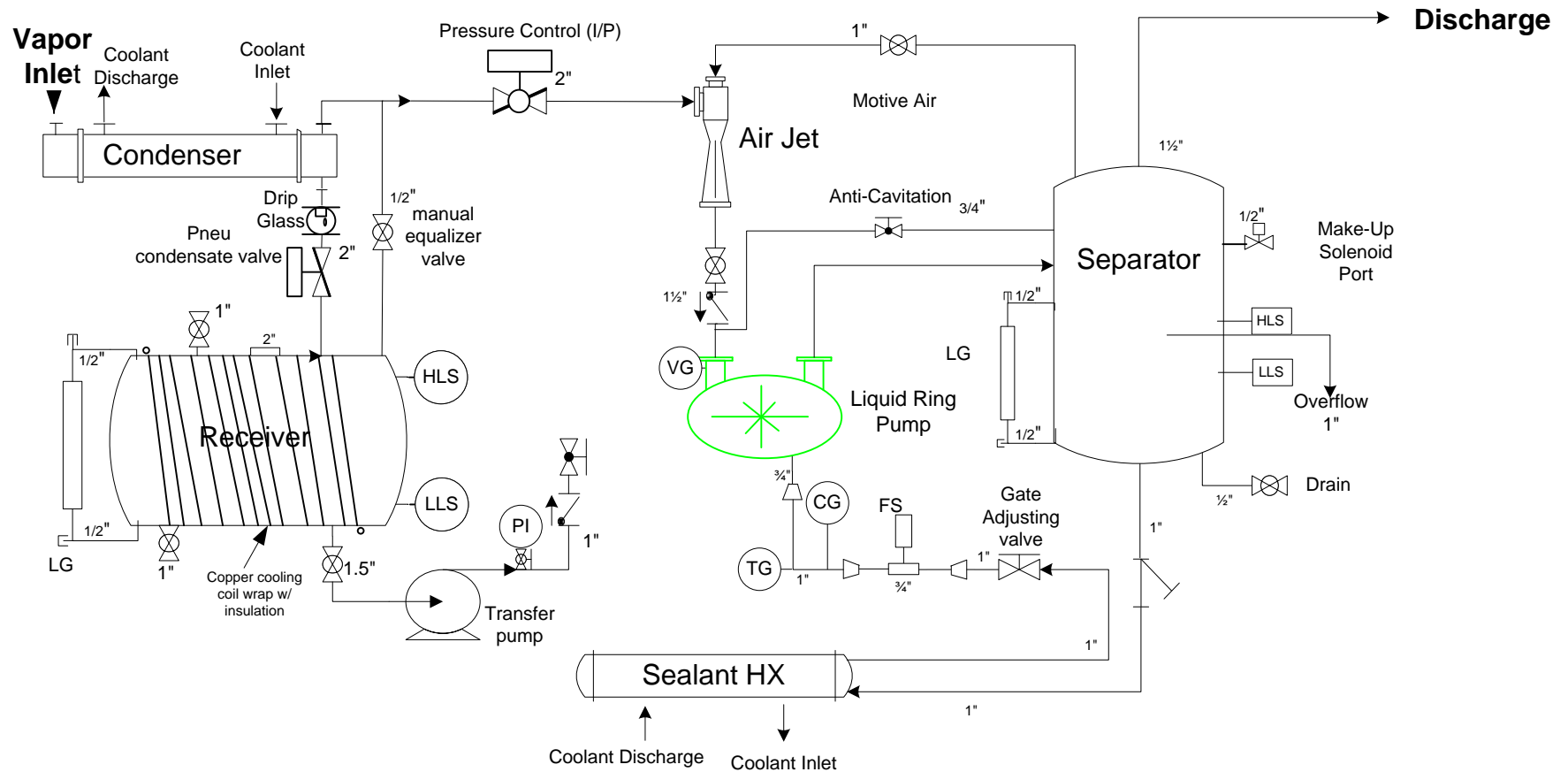
REV	DESCRIPTION	DATE	INITIALS
REVISIONS			



<p><b>TOLERANCES</b></p> <p>DECIMAL ± 0.500"</p> <p>FRACTIONAL ± 1/2"</p> <p>ANGULAR ± 0° 30' 00"</p> <p>UNLESS OTHERWISE SPECIFIED IN DRAWING</p>	<p>SYSTEM MODEL NO: CR200ss-E-WSS-140/2-1FR</p>			<p>For technical support contact:</p> <p><b>W I N T E K</b> CORPORATION</p> <p>230 US HWY 206 STE 401 FLANDERS, NJ 07836 Ph: (973) 252-8200 Fax: (973) 252-8233</p>		
	<p>PART NO: SC2IX1907H24XEA</p>					
	<p>DWG BY: JGJ</p>	<p>CHK BY: RR</p>	<p>DATE: 6/16/16</p>	<p>DESCRIPTION: Full Recovery Liquid Ring Vacuum System Sheet 4 of 4</p>		
	<p>WEIGHT: 4,500 lbs.</p>	<p>SCALE: NTS</p>				
<p>THIS PRINT IS PROPERTY OF WINTEK CORP. AND DVT AND MAY NOT BE GIVEN TO ANY OTHER CONCERN WITHOUT THE CONSENT OF WINTEK CORP. AND DVT. SYSTEM MANUFACTURED BY DVT.</p>			<p>SERIAL NO: 160612</p>	<p>DRAWING NO: 1607252</p>	<p>REV: 0</p>	

REV	DESCRIPTION	DATE	INITIALS
REVISIONS			

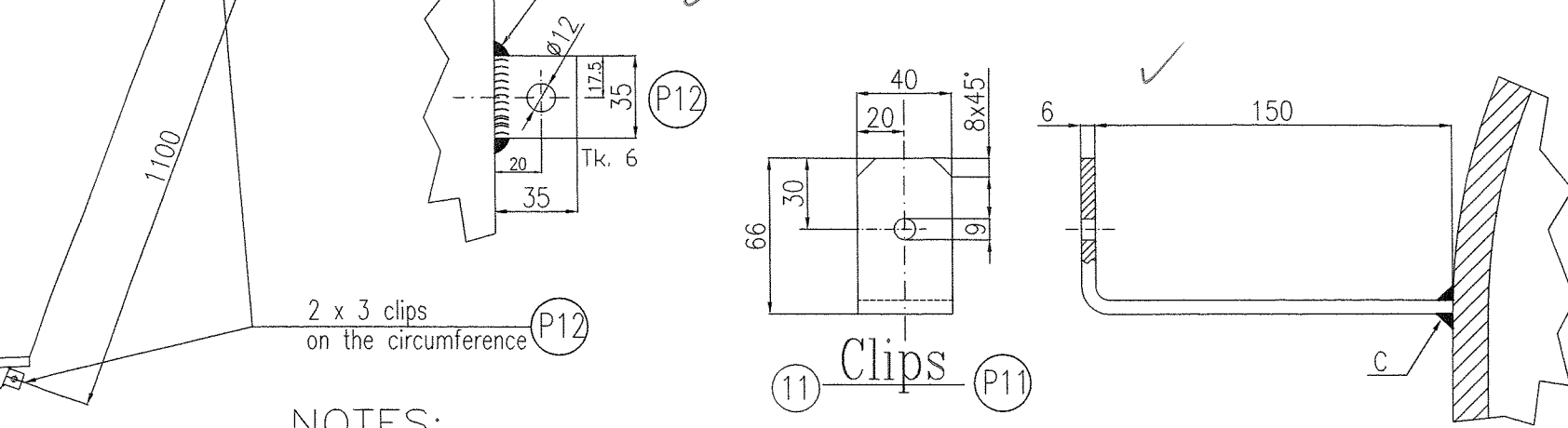
# System Model CR200ss-E-WSS-140/2-1FR



Rev.1 6/23/16: adds HLS in Sep.; revises PCV to inlet throttling.  
 Rev. 2 7/26/16: Add receiver drain valve, remove sealant iso valve,  
 relocate sealant adjusting valve, add 2" connection on receiver, updated  
 line sizes, removed blind flange connection on separator tank



TITLE: P&ID 160612
AUTHOR: PMW
DRAWING NUMBER: 160612-P&ID
DATE: 6/15/16
© Copyright Wintek Corporation 2016



**NOTES:**

- DESIGN / CONSTRUCTION ACC. TO ASME CODE SECT.VIII, DIV.1, 2007 ED. - "U" STAMP
- DIMENSIONS ARE S.I. UNITS. DIMENSIONS IN [ ] ARE U.S. CUSTOMARY UNITS.
- MAX. ALLOW. DEVIATION FROM THE SPECIFIED SHAPE OF ELLIPSOIDAL HEADS SHALL NOT EXCEED THOSE SPECIFIED IN UG-81
- MAX. ALLOW. DEVIATION FROM THE ALIGNMENT OF PLATE EDGES TO BE BUTT WELDED SHALL NOT EXCEED THE LIMITS LISTED IN TABLE UW-33 AND SHALL BE RECTIFIED ACC. TO ACC. TO REQUIREMENT OF UW-33(b)
- THE THICKNESS OF THE WELD REINFORCEMENT ON EACH FACE OF BUTT WELDED JOINTS SHALL NOT EXCEED THE LIMITS OF UW-35.
- THE CATEGORY OF WELDED JOINTS ACC. TO UW-3 IS INDICATED ON DETAILED DRAWINGS AND ON NONDESTRUCTIVE EXAMINATION PLAN WHERE ARE SPECIFIED THE EXAMINATION METHODS, NORMS, VOLUME OF CONTROL AND ACCEPTANCE CRITERIA.
- ALL ELEVATIONS ARE MEASURED FROM REFERENCE TANGENT LINE.
- ALL FLANGE CONNECTIONS BOLT HOLES SHALL STRADDLE THE MAIN AXES OF THE EQUIPMENT.
- FLANGE FACE FINISH SHALL BE 125AARH PER ASME B16.5 EDITION 2003.
- ALL THICKNESSES SHOWN IN THIS DRAWING ARE INTENDED AS MINIMUM VALUES AFTER FABRICATION FOR TORISPHERICAL HEADS TRANSITION AND MINIMUM NOMINAL VALUE FOR OTHERS PARTS.
- ALL CORNERS INTERIOR MUST BE ROUNDED.
- IMPACT TEST NOT APPLICABLE IN ACCORDANCE WITH UHA 51.
- FLANGED OPENING SHALL BE COVERED WITH PLASTIC FLANGE PROTECTOR.
- THERE ARE NOT LOADED ON THE NOZZLES EXEPT FOR N1.
- MANUFACTURER'S NAMEPLATE CHARACTERS SHALL BE INDENTED AT LEAST 0.2mm(ENGRAVED OR STAMPED) EXCEPT THATCODE'S SYMBOL SHALL BE STAMPED ONLY. LETTER SIZE SHALL BE 4mm MINIMUM.
- SHALL BE STAMPED AFTER HYDRAULIC TEST.
- EACH REINFORCING PAD OR PART OF REINF. PAD SHALL HAVE ONE 1/4"NPT TELL TALE HOLE AND SHALL BE TESTED AT 0,5 BARG WITH DRY AIR AND SOAP SOLUTION BEFORE HYDROTEST. AFTER HYDROTEST TELL TALE HOLES SHALL BE FILLED WITH SILICON.
- INTERNAL FINISHING: HOT ROLLED WITH WELDINGS POLISHED  $Ra < 1.6\mu m$   
EXTERNAL FINISHING: GLASS BEED BLASTED AS PER PREVIOUS PROJECTS
- DURING WELDING CAREFULLY CHECK THE PLANARITY OF THE FLANGES SUPPORTS TO AVOID ANY DEFORMATION OF THE GASKET SITE.
- NATIONAL BOARD SERIAL NUMBER WILL BE INSERT AFTER HYDRAULIC PRESSURE TEST.

For Approval

**WELDINGS (WELDING BOOK N° WB 81824.2)**

LONGITUDINAL WELD)	(CIRCUMFERENTIAL)	GENERAL WELDING CORNER	PIPE&NOZZLE TO SHELL	PIPE-VESSEL SHELL WITH REINF. RING WELD	FLANGES BUTT WELD
INSIDE: SAW OUTSIDE: SAW	INSIDE: SAW OUTSIDE: SAW	side A: SMAW side B: SMAW WELDING CORNER MANUAL WITH COATED ELECTRODE	FIRST PASS G.T.A.W. COMPLETED BY S.M.A.W. WITH COATED ELECTRODES	EX. SIDE: S.M.A.W. WITH COATED ELECTRODES IN. SIDE: GRINDING TO SANE METAL COMPLETED BY S.M.A.W.	S.M.A.W. WITH COATED ELECTRODES
÷8 (WPS.87/01-08)	B1÷3 (WPS.87/01-08)	C1÷4 (WPS.0187/03-08)	D1÷D6 (WPS.81821A)	F1 (WPS.0121/01-08)	G1 (WPS 0413/2-08)
INTERNAL	INTERNAL	side A side B $A = 0.7 \times T$ T = min. thk. between T1 and T2	INTERNAL $K = 0.3 \times T + 1.5$ (MIN.3 MAX.16)	INTERNAL $K = 0.7 \times T$ T = MIN. Thk between T1 AND T2	INTERNAL

**DESIGN DATA - DATI DI PROGETTO**

DESIGN CODES CODICI DI COSTRUZIONE	SIDE LATO	SHELL MANTELLO	JACKET ON SHELL AND BOTTOM CAMICIA SUL MANTELLO E SUL FONDO	NOTES NOTE
ASME SECTION VIII Div.1 ED. 2007				
DESIGN PROGETTO (AT TOP)	BARG/PSIG	-1/+4#-14.5/+58	-0/+3#-0/+43.5	-
OPERATING ESERCIZIO	BARG/PSIG	-1/+4#-14.5/+58	-0/+3#-0/+43.5	-
HYDROTEST IN VERTICAL (FIELD)	BARG/PSIG	+5.54/+80.4	+4.15/+60.2	60 MINUTES
M.A.W.P. M.A.W.P.		58PSI/307,4°F	43.5PSI/307,4°F	-
HYDROSTATIC HEAD DESIGN BATTENTE IDROSTATICO DI PROGETTO	BARG/PSIG	0,5/7,25	0,4/5,8	-
HYDROSTATIC HEAD TEST BATTENTE IDROSTATICO DI PROVA	BARG/PSIG	0,5/7,25	0,4/5,8	-
DESIGN PROGETTO	°C/°F	+153/+307,4	+153/+307,4	-
OPERATING ESERCIZIO	°C/°F	+153/+307,4	+153/+307,4	-
M.D.M.T. M.D.M.T.		307,4°F/58PSI	307,4°F/43,5PSI	-
TYPE TIPO		WATER/COCOA	STEAM	-
DENSITY, DENSITA'	kg/m <sup>3</sup> #Lbs/m <sup>3</sup>	1000/3,61273*10 <sup>-2</sup>	1000/3,61273*10 <sup>-2</sup>	-
CAPACITY, CAPACITA'	lit/ft3	13800/487,34	600/21,19	-
CORROSION ALLOWANCE SOVRASPESSORE DI CORROSIONE	mm	0,00/0,00	0,00/0,00	-
PRODUCTION COUPONS TALLONI DI PRODUZIONE		-	-	-
PWHT		-	-	-
RT		SPOT LONGITUDINAL SPOT CIRCUMFERENTIAL	SPOT LONGITUDINAL SPOT CIRCUMFERENTIAL	-
PT		YES SEE Q.C.P.	YES SEE Q.C.P.	-
MT		-	-	-
UT		-	-	-
PROCED. & QUALIFICATIONS PROCED. & QUALIFICHE	ACC. TO ASME IX	APPROVAL APPROVAZIONE		CUSTOMER
JOINTS EFFICIENCY SHELL EFFICIENZA GIUNTI FASCIAME	0,85	INSPECTION COLLAUDO		A.I.A.
JOINTS EFFICIENCY HEADS EFFICIENZA GIUNTI FONDI	0,85	EARTHQUAKE SISMA		N.A.
JOINTS EFFICIENCY SHELL-HEADS EFFICIENZA GIUNTI FONDI-FASCIAME	0,85	WIND VENTO		N.A.
JOINTS EFFICIENCY SHELL-HEADS JACKET EFFICIENZA GIUNTI FONDI-FASCIAME CAMICIA	0,85	INSULATION COIBENTAZIONE		NO WT
PROCED. & QUALIFICATIONS PROCED. & QUALIFICHE	ACC. TO ASME IX	FINISHING FINITURA		SEE TABLE
CODE "U2" STAMP COLLAUDO U-STAMP	YES	WEIGHT EMPLOY PESO A VUOTO	Kg/Lbs	(6370+4715)/24438
WT SERIAL NUMBER N° DI FABBRICA WT	157	OPERATING WEIGHT PESO IN ESERCIZIO	Kg/Lbs	22085/48690
NATIONAL BOARD SERIAL NUMBER N° DI NATIONAL BOARD	YES SEE NOTES 20	WEIGHT FULL H2O PESO PIENO H2O	Kg/Lbs	24885/54862

IL COSTRUTTORE  
CONSTRUCTOR

REVISIONI REVISIONS	DESCRIZIONE DESCRIPTION	DISEGNATO DRAWN	CONTROLL. CHECKED	DATA DATE
2				
1				
0	ISSUED FOR APPROVAL	Iacovella	Gutesa	30/10/08
N.				

ORDINE N. ORDER N. 806/53002974 del 10/10/08

IMPIANTO UNIT INDOOR

LOCALITA' LOCALITY -

COMMITTENTE (CUSTOMER) **EKATO Systems GmbH**

TITOLO TITLE	VESSEL 11 mc U-STAMP ITEM VST 11000					
OGGETTO OBJECT	ASSEMBLY DRAWING					
DISEGNATO DRAWN BY	A. Iacovella	CONTROLLATO CHECKED	U. Gutesa	DATA DATE	30/10/08	
DIS. N. (DWG NO.)	DWG. 81824.2		REV.	0	COMM. WTS JOB WTS	81824.2
NUMERO NUMBER	ASS. 1:15		CODICE PRODOTTO PRODUCT CODE	TXAV 0230 0198 B		

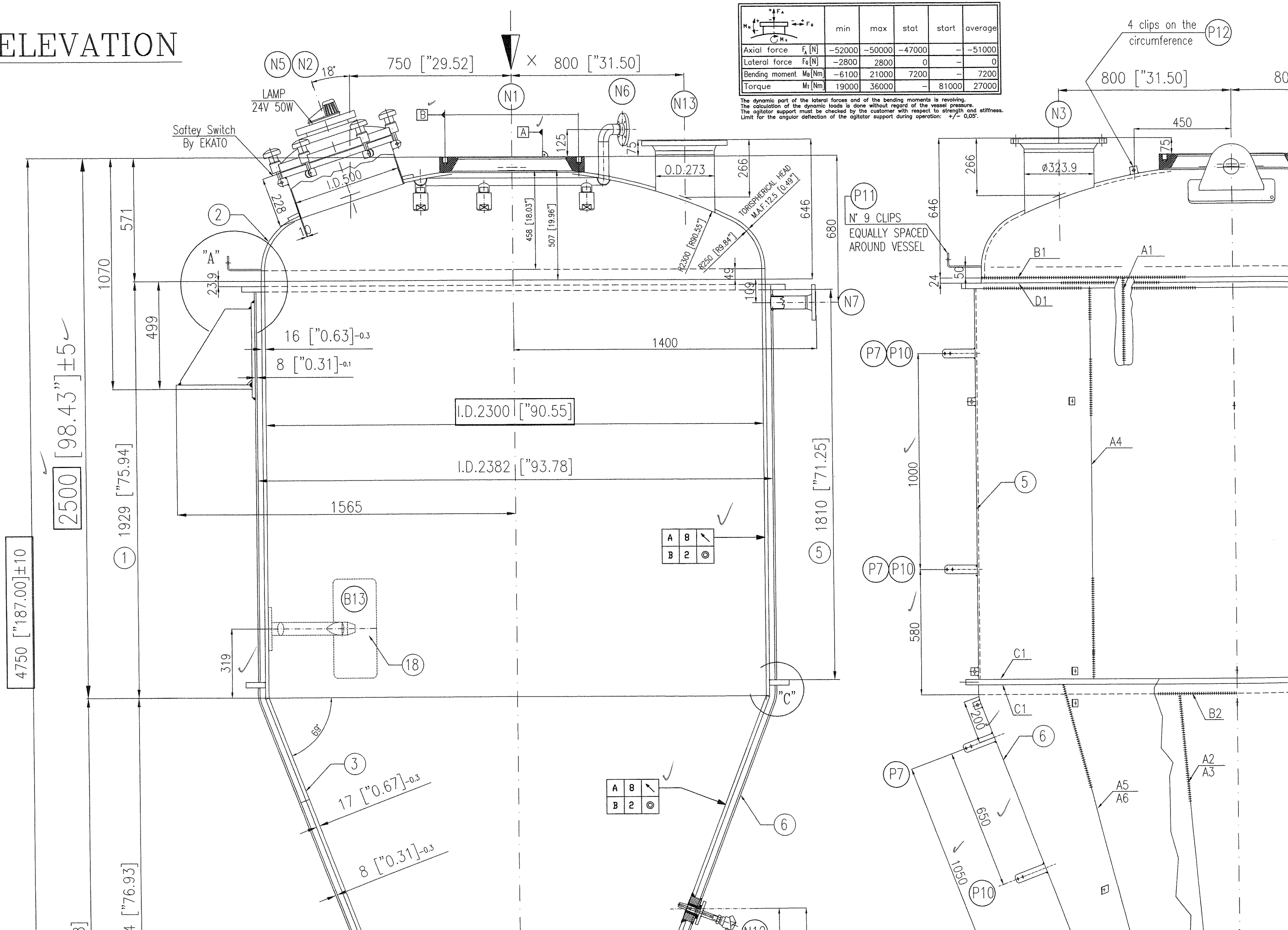
A NORMA DI LEGGE IL PRESENTE DISEGNO E' PROPRIETA' DELLA WALTER TOSTO SpA CHE NE VIETA LA RIPRODUZIONE O CONSEGNA A TERZI ACCORDING TO THE LAW WE RESERVE THE RIGHT OF PROPERTY OF THE PRESENT DRAW, WHICH CANNOT BE PRINTED OR TRANSMITTED TO THIRD PARTS.



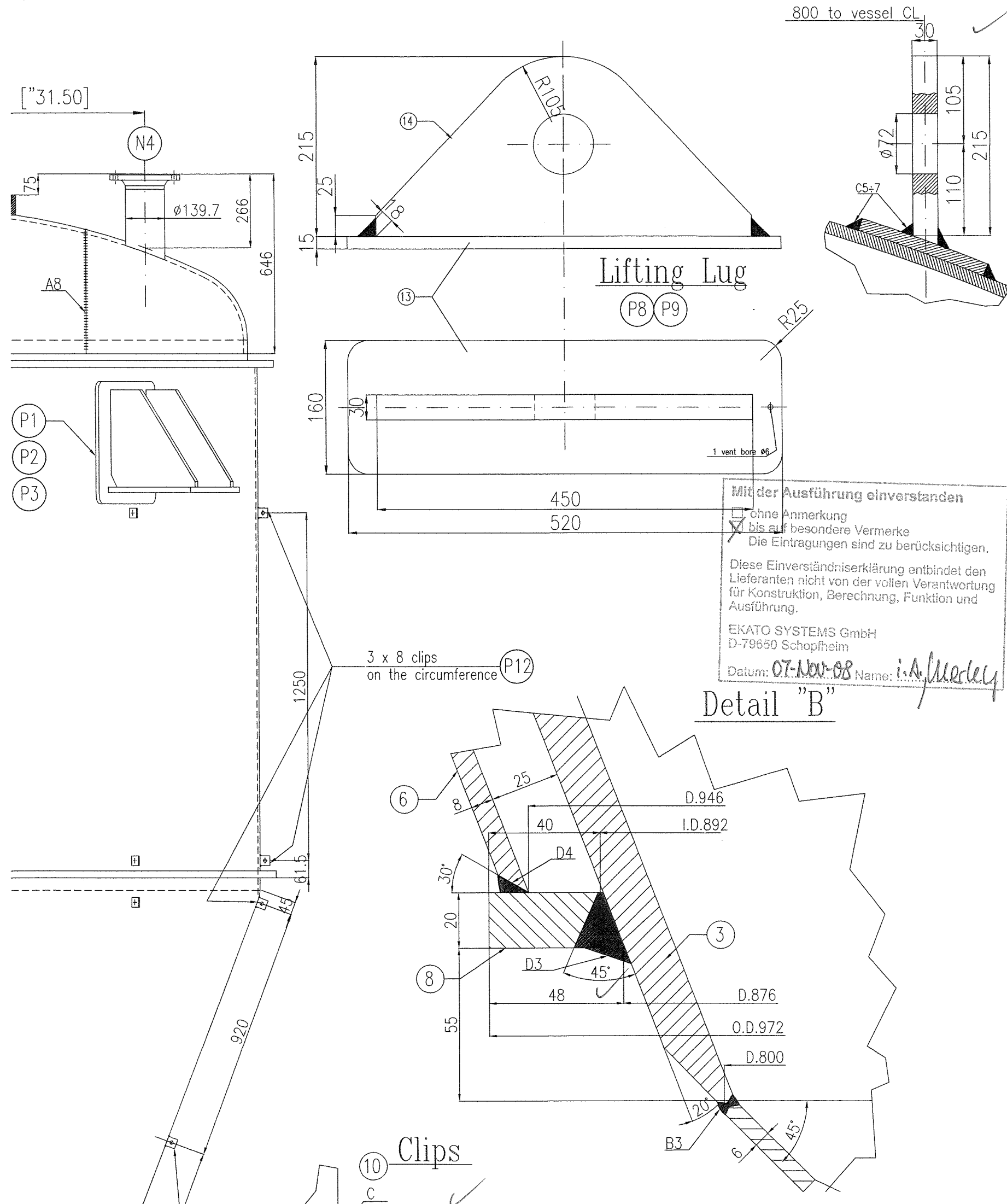
# ELEVATION

	min	max	stat	start	average
Axial force $F_A$ [N]	-52000	-50000	-47000	-	-51000
Lateral force $F_o$ [N]	-2800	2800	0	-	0
Bending moment $M_b$ [Nm]	-6100	21000	7200	-	7200
Torque $M_r$ [Nm]	19000	36000	-	81000	27000

The dynamic part of the lateral forces and of the bending moments is revolving.  
 The calculation of the dynamic loads is done without regard of the vessel pressure.  
 The agitator support must be checked by the customer with respect to strength and stiffness.  
 Limit for the angular deflection of the agitator support during operation:  $\pm 0,05^\circ$ .



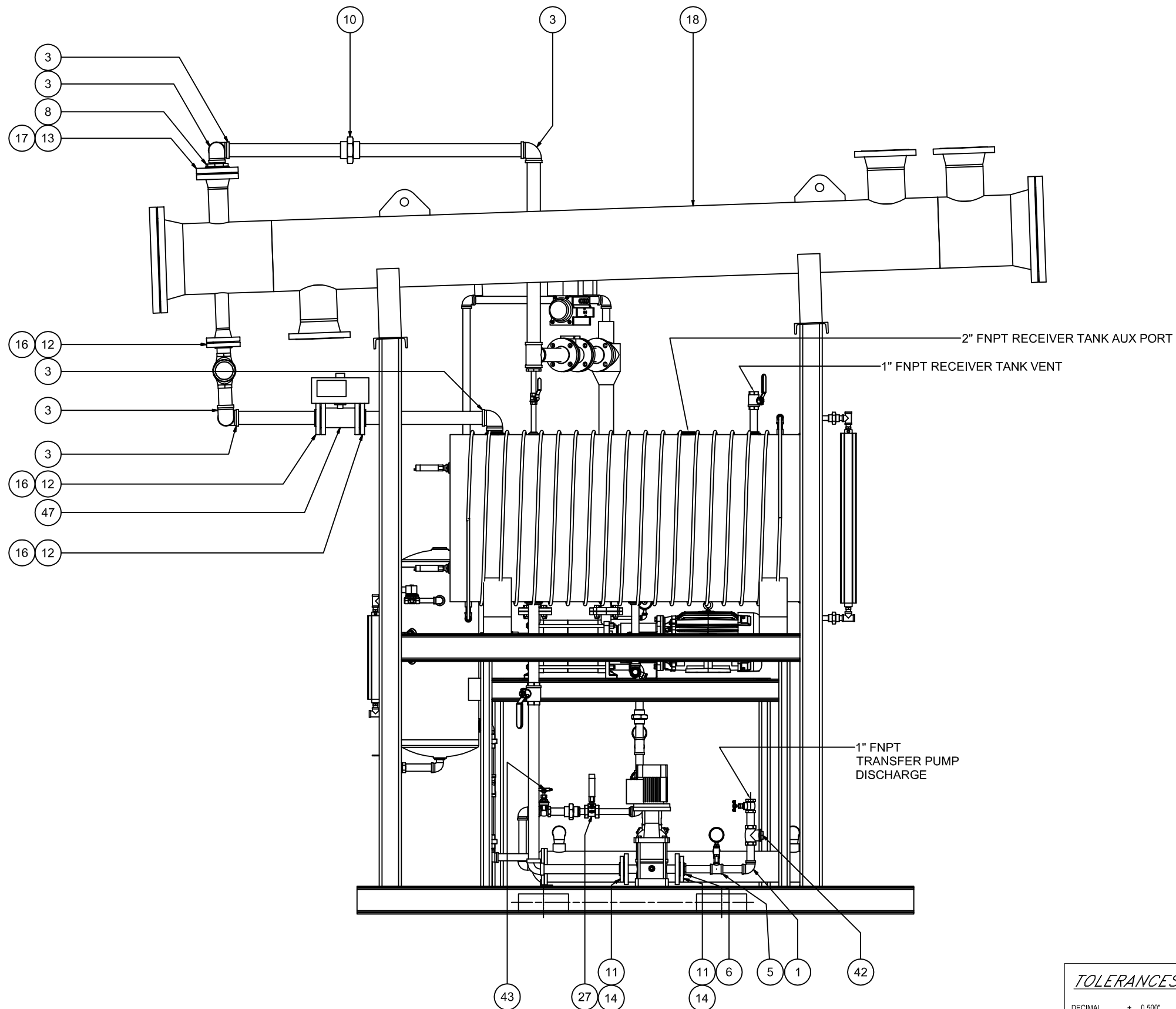




POSITION	DESCRIPTION	N° PIECES	MATERIAL	SYMBOLISM	DIMENSIONS	WEIGHT
18	BAFFLE	1	A 240 TP 304	○	SEE DWG.	50
17	REINFORCING PLATE THK.15mm	1	A 240 TP 304	●	200x500 THK.15 mm	12
16	NAME PLATE "EKATO"	1	A 240 TP 304	○	SEE DWG.	-
15	PLATE HOLDER THK.3mm	1	A 240 TP 304	○	SEE DWG.	2
14	LIFTING LUGS THK.30mm	2	A 240 TP 304	○	SEE DWG.	20
13	REINFORCING PLATE THK.15mm	2	A 240 TP 304	●	SEE DWG.	20
12	CLIPS THK.6mm	7	A 240 TP 304	●	SEE DWG.	3
11	CLIPS THK.6mm	9	A 240 TP 304	●	SEE DWG.	6
10	CLIPS THK.6mm	34	A 240 TP 304	●	SEE DWG.	2
9	PLATE 90x25	1	A 240 TP 304	●	SEE DWG.	118
8	PLATE 48x20	1	A 240 TP 304	●	SEE DWG.	15
7	PLATE 90x25	1	A 240 TP 304	●	SEE DWG.	48
6	BOTTOM CONICAL JACKET 69° THK.8mm	1	A 240 TP 304	●	SEE DWG.	702
5	SHELL PLATE JACKET	1	A 240 TP 304	●	1810x7508 THK.8 mm	870
4	BOTTOM CONICAL 45° THK.6mm	1	A 240 TP 304	●	SEE DWG.	24
3	BOTTOM CONICAL 69° THK.17mm	1	A 240 TP 304	●	SEE DWG.	1480
2	HEAD TOROSPHERICAL THK.15mm	1	A 240 TP 304	●	SEE DWG.	663
1	SHELL PLATE VESSEL	1	A 240 TP 304	●	1929x7276 THK.16 mm	1796

MATERIAL LIST

POS. POS.	Q.TA Q.TY	D.N. METRIC	SIZE CUSTOMARY	P.N. RATING	TIPO TYPE	FACCIA FACING	TUBO PIPE	PIASTRA DI RINF. REINF. PLATE	ORIENTAM. Orientation	POSIZIONE Position	SERVIZIO SERVICE
N1	1	I.D. 500	[19.68"]	10	SEE DWG	FF	-	-	Center	LID	AGITATOR FLANGE
N2	1	I.D. 500	[19.68"]	-	SEE DWG	FF	O.D. 520x10 [20.47"x 0.394"]	O.D. 620x15 [24.4"x 0.59"]	270°	R.750	MANWAY
N3	1	300	[12"]	10	DIN 2632/2501	RF	O.D. 323.8x14.28 [12.7"x 0.56"]	-	0°	R.800	PRODUCT INLET I
N4	1	125	[5"]	16	DIN 2633/2501	RF	O.D. 141.3x6.55 [5.56"x 0.258"]	-	135°	R.800	VACUUM/VENTING
N5	1	150	[6"]	16	SEE DWG	RF	-	-	90° 270°	On N2	SIGHT GLASS (with wiper and lamp 24V/50)
N6	1	40	[1 1/2"]	40	DIN 2635/2501	RF	O.D. 48.3 x 3.68 [1.90" x 0.144"]	-	45° 70°	545	SPARGER RING
N7	1	50	[2"]	40	DIN 2635/2501	RF	O.D. 60.3 x 5.54 [2.37" x 0.218"]	-	170°	Lateral	HEATING INLET
N8	1	40	[1 1/2"]	40	DIN 2635/2501	RF	O.D. 48.3 x 3.68 [1.90" x 0.144"]	-	90°	Lateral	CONDENSATE OUTLET
N9	1	350	[14"]	10	DIN 2632/2501	RF	-	-	Center	Center	PRODUCT OUT
N10	1	40	[1 1/2"]	40	SEE DWG	FF	-	-	90°	Lateral	CLEANING WATER DRAIN
N11	1	150	[6"]	16	SEE DWG	FF	-	-	180°	Lateral	STEAM INJECTION
N12	1	25	[1"]	40	SEE DWG	FF	-	-	200°	Lateral	TEMPERATURE PROB
N13	1	250	[10"]	10	DIN 2632/2501	RF	O.D. 273 x 9.27 [10.75" x 0.36"]	-	315°	R.800	PRODUCT INLET II
P1	1	-	-	-	Supporting Bracket 1	-	-	-	0°	LENGTH 1565 FROM VESSEL	
P2	1	-	-	-	Supporting Bracket 2	-	-	-	120°	LENGTH 1565 FROM VESSEL	
P3	1	-	-	-	Supporting Bracket 3	-	-	-	240°	LENGTH 1565 FROM VESSEL	
P5	1	-	-	-	Name Plate Support	-	-	-	180°	ON VESSEL LID	
P7	4	-	-	-	Fish plates cable duct	-	-	-	190°	LENGTH 150mm	
P8	1	-	-	-	Lifting Lug 1	-	-	-	45°	-	
P9	1	-	-	-	Lifting Lug 2	-	-	-	225°	-	
P10	3	-	-	-	Fish plates Steam Line	-	-	-	180°	LENGTH 150mm (EQUAL BARS P	
P11	9	-	-	-	Fish plates cable duct	-	-	-	Around Vessel	-	
P12	34	-	-	-	Insulation Clips	-	-	-	-	-	
B13	1	-	-	-	Baffle	-	-	-	90° 270°	-	



**TOLERANCES**  
 DECIMAL ± 0.500"  
 FRACTIONAL ± 1/2"  
 ANGULAR ± 0° 30' 00"  
 UNLESS OTHERWISE SPECIFIED IN DRAWING

SYSTEM MODEL NO: CR200ss-E-WSS-140/2-1FR		
PART NO: SC2IX1907H24XEA		
DWG BY: JGJ	CHK BY: RR	DATE: 6/16/16
WEIGHT: 4,500 lbs.	SCALE: NTS	

For technical support contact:  
**W I N T E K**  
 CORPORATION  
 230 US HWY 206 STE 401  
 FLANDERS, NJ 07836  
 Ph: (973) 252-8200 Fax: (973) 252-8233

DESCRIPTION:  
 Full Recovery Liquid Ring Vacuum System  
 Sheet 3 of 4

REV	DESCRIPTION	DATE	INITIALS
REVISIONS			

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SERIAL NO: 160612	DRAWING NO: 1607252	REV: 0
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