



GENERAL ARRANGEMENT DRAWING ONLY

- SYSTEM NOTES:**
- 1) PUMP VACUUM SYSTEM ON A FLAT LEVEL SURFACE.
 - 2) PUMP EMPTY OPERATE WITH SQUIRREL HEAD NOT FREE FLUUS.
 - 3) OBEY ALL DISCHARGE PIPING WHERE APPROPRIATE.
 - 4) WELD TO SUIT CONTROL PANEL SUPPORT LEGS.
 - 5) CLEANANCE REQUIRED FOR PROPER ELEMENT REWORK, IS 6" MIN.
 - 6) ALL SEAL FLUID PIPING INCLUDING WATER WAKEUP AND SEPARATOR TANK DRAIN PIPING TO BE 316 SS.
 - 7) TO BE INSTALLED PRIOR TO SYSTEM INTERCONNECTING PIPING.
 - 8) ALL SEAL FLUID PIPING INCLUDING WATER WAKEUP AND SEPARATOR TANK DRAIN PIPING TO BE 316 SS.

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	ELBOW, 4" LONG BOWS BUTT WELD CS	111-0400-4511
2	1	CONCENTRIC REDUCER 1" X 3/4" FNPT 316SS	134-1075-0223
3	3	FLANGE, 4" 150# RF SLIP ON CS	162-0400-7011
4	2	FLANGE W/ID NECK DIN 100 CS 4" NPS	176-0400-0125
5	1	GASKET, FLAT 22-1/2" O.D. X 20" I.D. X 1/8" THK CAR	176-2220-0000
6	3	GASKET, FLAT 6-9/16" O.D. X 4-9/16" I.D. X 1/8" THK CAR	176-6246-0000
7	1	COUPLING, FLEX 1-1/2" NPS SS/BUNA	190-0150-B001
8	1	COUPLING, FLEX 2" NPS CS/NIT	190-0200-B000
9	1	COUPLING, FLEX 4" NPS CS/BUNA	190-0400-4000
10	1	MOTOR 100HP 6P 3PH 60HZ 230/460V TERC 4441	230-1000-C002
11	1	PUMP, CENT 1 HP 2P 230/460V	310-0010-B000
12	1	GAUGE, VACUUM 0-30" HGV BRASS 4" DIA. 1/4" MNPT	401-0025-F001
13	1	GAUGE, COMPOUND 30/0/15 BRASS 1/4" MNPT	401-0025-F000
14	1	GAUGE, PRESSURE 0/60/90PSI BRASS 1/4" MNPT	402-0025-B001
15	2	GAUGE, TEMP 20/240F--10/100C 1/2" MNPT	410-0050-F001
16	1	VALVE, LEVEL 1 1/2" X 1/2" MNPT BR2/CLAS5	420-0050-B014
17	2	HERMOWELT 2-1/2" X 3/4" MNPT 316SS	430-0075-F000
18	1	TRANSMITTER PRESS W/INTEGRAL REPRODUT 1/2" MNPT	440-0050-F000
19	1	SWITCH, VACUUM ADO 5-30" HGV N4 1/2" MNPT	450-0050-B000
20	1	SWITCH, LEVEL ULTRASONIC 3/4" MNPT	465-0075-F000
21	1	SWITCH, TEMP SETP 80F 3/4" MNPT W/TRIMWELL	470-0075-F000
22	1	TRANSMITTER TEMP RTD 1.7" PROBE 3/4" MNPT	480-0075-C001
23	1	HEAT EXCHANGER FL7/RM1 PRSS LU/LIO 2" FNPT	526-1239-4000
24	2	FILTER SILENCER 1-1/4" FNPT 60 SCFM	602-0125-A001
25	1	STRAINER Y 1-1/2" FNPT 316SS 1/2" W PEFB	660-0150-C002
26	1	COUPLING, DRIVE 1.5 60MM BORE CI PMP END	702-1300-B060
27	1	COUPLING, DRIVE 1.5 3.375" BORE CI MFR END	702-1300-8537
28	1	COUPLING ELEMENT SIZE 13E	752-1300-B000
29	4	VALVE, BALL 3/4" FNPT PP SS/SS/PFTE	802-0075-C000
30	2	VALVE, BALL 1" FNPT PP SS/SS/PFTE	802-0100-C001
31	4	VALVE, BALL 1-1/2" FNPT PP SS/SS/PFTE	802-0150-C002
32	1	VALVE, BUTTERFLY 4" LUG W/HAND CI/AL-BRZ/BUNA	810-0400-4000
33	2	VALVE, CHECK HINGE 4" MNPT SS/PFTE	820-0400-B001
34	1	VALVE, CHECK SWING 3/4" FNPT SS/PFTE	821-0075-C000
35	1	VALVE, GLOBE 1-1/2" FNPT SS/AL/PFTE	835-0150-C000
36	1	VALVE, PRESS RELIEF 3/4" MNPT CI OPEN @30PSI	851-0075-4000
37	2	VALVE, VACUUM RELIEF 1-1/4" MNPT 316SS/TEFL	852-0125-C000
38	1	VALVE, ACTUATED PNEUMATIC GLOBE 2" FNPT BR2	884-0200-4000
39	3	VALVE, PETCOCK BRS CUT-OFF 1/4" MNPT X 1/4" FNPT	890-0025-B000
40	2	VALVE, PETCOCK BRS CUT-OFF 1/2" MNPT X 1/2" FNPT	890-0025-B000
41	1	SEPARATOR, RR ASME RATED CS GALV/AL/OUT	903-0605-1130
42	1	GARGOL COUPLING 1.5S NON-SPARKING ALUMINUM	930-0605-1120
43	2	BLOCK, MFR RESER ADJ FOR 100HP DIRECT DRIVE	945-0604-2510
44	1	BRACKET, U-BOLT 3/4" PIPE CS	948-9704-0310
45	2	BRACKET, U-BOLT 1-1/2" PIPE CS	948-9704-0330
46	1	BRACKET, U-BOLT 2" PIPE CS	948-9704-0340
47	1	BASEPLATE, CS TRN 000H DIRECT DRIVE PWR/MTR	950-0605-1510
48	1	BASEPLATE, CS TRN 000H DIRECT DRIVE CRK/TK	950-0605-1520
49	1	VACUUM PUMP LR 2 STAGE MECH SEALS	TRN1000H-1600/1C/F
50	1	CONTROL PANEL, 100HP 460V 60HZ 3-Ø/4W 2 ENCL. ZCP-29789-0600	ZCP-29789-0600

REV	DESCRIPTION	DATE	APPR
C	CHANGED PIPING TO WELDED WHERE APP. & MOVED L.V. SWITCH	09/09/07	MW
B	CHANGED SEAL FLUID PIPING & COMPONENTS TO 316SS ECR489	01/26/07	MW
A	CHANGED SEP TANK GASKET, ITEM #34 & 35 PER ECR #429	09/11/06	MW

REVISIONS	DESCRIPTION
1	UNLESS OTHERWISE SPECIFIED IN DRAWING

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Part No.	SC21160020134VS
DESCRIPTION	WATERSEALD 100HP FULL RECOVERY VACUUM SYSTEM
DATE	5/9/06
SCALE	1 = 12
MODEL NO.	TRN1000H-1FR
DWG NO.	0605093-D
REV	C