



FRICK TD3H 283S PORT DESCRIPTIONS
(AS PER FRICK DWG. #534E0054)

LINE ID	DESCRIPTION	SIZE
S2	INLET BEARINGS & BALANCE PISTON	3/4-14 NPTF
S3	DISCHARGE BEARINGS & SEAL	1-11 1/2 NPTF
SC1	SLIDE VALVE - UNLOAD	3/8-18 NPTF
SC2	SLIDE VALVE - LOAD	3/8-18 NPTF
SC3	MOVEABLE SLIDE STOP	3/8-18 NPTF
SC4	INLET OIL DRAIN	1/2-14 NPTF
SC5	INLET PRESSURE	3/8-18 NPTF
SC6	DISCHARGE PRESSURE	1/2-14 NPTF
SC7	SEAL WEEPAGE	1/8-27 NPTF
SC8	CLOSED THREAD DRAIN	1-11 1/2 NPTF
SC9	CLOSED THREAD DRAIN	1 1/4-11 1/2 NPTF
SD1	COALESCE BLEED	1-1/16-12UN-2B
SE1	ELECTRICAL CONNECTION	1/2-14 NPTF
SE2	ELECTRICAL CONNECTION	1/2-14 NPTF
SL1	LOW VI LIQUID INJECTION	1-11 1/2 NPTF
SL2	HIGH VI LIQUID INJECTION	1-11 1/2 NPTF
SM1	MAIN OIL INJECTION	1-11 1/2 NPTF
SV1	VAPOR INJECTION	2 SQ FLANGE

- MATERIAL SPECIFICATIONS**
- PAINT:** OVERALL UNIT AS PER TUXTLA'S SPEC. 1200.
- PRIMER:** COMMERCIAL IRON OXIDE NON-LIFTING PRIMER.
- TUBING:** ALL PROCESS TUBING TO BE 304SS C/W CADMIUM PLATED SVAGELOK FITTINGS C/W STAINLESS STEEL FERRULES. ALL INSTRUMENT TUBING TO BE 304SS C/W CADMIUM PLATED SVAGELOK FITTINGS C/W STAINLESS STEEL FERRULES.
- PROCESS PIPING:** FULL X-RAY & 1/16" CORROSION ALLOWANCE, AND PWHT.
- SCRUBBERS & SEPARATOR:** FULL X-RAY & 1/16" CORROSION ALLOWANCE, AND PWHT.
- OIL:** FRICK NG-1 IN COMPRESSOR.
- GLYCOL:** 50% INHIBITED ETHYLENE GLYCOL/WATER SOLUTION IN ENGINE AND AUXILIARY JACKET WATER SYSTEMS.
- BILL OF MATERIALS:** ON SEPARATE SHEET TO BE PROVIDED WITH DRAWING.
- NOTE #1:** BOLTING ON PROCESS FLANGE TO BE SA-193-B7 C/W NUTS SA-194-BH & 316SS GASKETS.
- NOTE #2:** ALL NOZZLES IN CONTACT WITH SCRUBBERS TO BE MIN. SCH. 160 PIPING.
- NOTE #3:** VESSELS ARE REGISTERED FOR USE IN AB. ONLY.
- NOTE #4:** UNIT COMES COMPLETE WITH 3 TON CRANE.
- NOTE #5:** SKID, VESSELS AND PIPING ARE ALL TO BE SAND BLASTED.

- GENERAL INFORMATION**
- COMPRESSOR FRAME - FRICK TD3H 283L
- RATED RPM = 3600
- SERIAL NUMBER = TD3H283L1694H2
- MOTOR - SIEMENS ELECTRIC
- RATED 900 BHP @ 3600 RPM
- SERIAL NUMBER = E10198-01-1
- COOLER - AIR-X-CHANGERS 84BEH
- SERIAL NUMBER = 16188
- EXCHANGER - API SCHMIDT BRETTON SX29-750H-45
- SERIAL NUMBER = NP021010-201

- LEGEND**
- PROCESS LINES
 - FUEL GAS, START GAS, DRAIN AND VENT LINES
 - SUPPLY (CLEAN) OIL LINES
 - WASTE OIL LINES
 - WATER LINES
 - PNEUMATIC TUBING
 - - - - ELECTRICAL WIRING
 - x x x CAPILLARY
 - SPACER
 - SPECTICAL BLIND
 - ▲ SCREEN (CONE STRAINER)
 - ◻ PANEL CONNECTION (ELECTRIC)
 - ◻ PANEL CONNECTION (PNEUMATIC)
 - LOCAL MOUNTED INSTRUMENT

NOTE: SWEET PROCESS GAS

NO.	REVISION	DATE	BY
3	AS BUILT	04-03-02	BM
2	ADD BALL VALVES TO HIGH PRESSURE VENT	02-20-02	BM
1	ISSUED FOR CONSTRUCTION	02-01-02	BM
0	ISSUED FOR APPROVAL	01-14-02	BM

ENERGY INDUSTRIES INC. 4303 - 117TH STREET N.E. CALGARY ALBERTA CANADA

TITLE: PROCESS FLOW DIAGRAM
SIEMENS ELECTRIC 900 HP
FRICK TD3H 283L
AIR-X-LIMITED 84BEH

CUSTOMER: ENERMARK INC.
c/o: TUXTLA GAS ENGINEERING LTD.
JOARCAM 11-13 BATTERY
GAS SCREW COMPRESSOR
LSD: 11-13-50-22 W4M

SCALE: NONE DATE: 01-14-02 BY: BM DATE RELEASED: 02-22-02
STEP # 410 UNIT # S195 DRAWING NO.: S195-PFLOW REV. 3