



1. **Warranty** - Jiro Enerflex, a division of Enerflex Systems Ltd. (hereinafter referred to as "Jiro"), warrants new products designed, manufactured and sold by Jiro, separately or as part of packaged equipment to be free of defects in material or workmanship. This warranty, including any implied warranties of merchantability and fitness for purpose, is limited in duration for a period of 12 months from the date of initial start-up or 18 months from the date the equipment is ready to ship, whichever comes first. Any requests for extended warranty beyond the above duration, for interim storage or for deferred start-up must be approved by Jiro prior to the equipment being shipped. Any extended warranty is subject to, and customer is responsible for, all damages and deterioration due to storage outside of Jiro's facilities, and unless specified otherwise, customer is responsible for all costs associated with any extended warranty including costs for preservation prior to and during storage, regardless of storage location.
2. **Commissioning** - In order to validate full warranty coverage on the equipment, an initial start-up service must be performed by an authorized agent of Jiro.
3. **Repair & Replacement** - Jiro's New Equipment Warranty is limited to repair or replacement of defective parts or components at Jiro's nearest repair facility. This does not apply if the equipment has been damaged as a result of excessive loading, over or under speeding, heating, fire or abnormal combustion, ingestion of foreign materials, inadequate maintenance, misalignment, accident, improper installations, improper storage, improper use or any other condition or event not within the control of Jiro. The warranty on replacement parts or components is limited in duration for a period of 90 days from the replacement date or the duration of the original warranty period, whichever is longer. Customer is responsible to pay for any equipment and transportation costs to and from a Jiro repair facility. Customer is also responsible to pay Jiro's out-of-pocket costs for transportation, lodging and subsistence, as well as additional and premium labour for any repairs taking place at other than a Jiro repair facility and/or being performed outside of normal business hours.
4. **Third Party Performance Guarantees** - Jiro's New Equipment Warranty includes all performance guarantees provided from third party product supplier(s) to Jiro wherein that supplier's product is distributed or resold separately or as part of a Jiro product. Copies of formal written performance guarantees of third party supplier(s) to Jiro are available on request.
5. **Limited Warranty** - The warranty provided herein by Jiro is the sole and exclusive warranty provided to the Customer and is in lieu of all other warranties, whether expressed or implied, including those found in the Sale of Goods Act (Alberta). Jiro is not responsible for any consequential, indirect or special damages whatsoever. In addition, Jiro shall not be liable for, including without limitation, lost revenues, downtime, diminished goodwill and damage to, or replacement of other equipment and property, whether such damages are consequential, indirect, special or otherwise, Jiro is not responsible for any punitive damages that may arise due to damage or loss.
6. **Modifications and Repair by Others** - Jiro shall not be responsible for modifications or repairs made to the equipment by others unless Jiro authorizes such actions in writing prior to the time such modifications or repairs are made. Such modifications and repairs made by other than Jiro shall, unless authorized by Jiro, void Jiro's New Equipment Warranty on the equipment.
7. **Compressor Pulsation Exclusion** - Jiro's New Equipment Warranty specifically excludes pulsation and vibration related problems except where equipment is manufactured in accordance with independent mechanical and acoustical studies purchased by or on behalf of customer. Where pulsation/vibration problems occur in the absence of formal studies, Jiro will supply at no charge to customer, FOB Jiro's nearest repair facility, one set of sized orifice plates engineered in accordance with standard industry practice. Customer will be responsible for any additional studies or analysis once the orifice plates have been installed at customer's expense.
8. **Transferability** - Subject to Jiro's approval, which shall not unreasonably be withheld, Jiro's New Equipment Warranty may be transferred to subsequent owners within the original warranty period.
9. **Claims** - All warranty claims must be filed with Jiro in writing within thirty (30) days after the claim arises.



COMPONENTS

SUCTION SCRUBBER:

V-110 (PROTECTED BY PSV-1101)

MAKE: EFX COMPRESSION - CALGARY
CODE: W, RT-1, HT; YEAR BUILT: 2005
MAWP: 350 PSI @ 250 DEG F
MDMT: -20 DEG F @ 350 PSI
CORROSION ALLOWANCE: 0.125"
CRN NO: R8623.231
SERIAL NO: 050753-03
(A) 544804
FILTER QTY AND SIZE: 12 - 18"
FILTER MODEL NO: PZC318-CME

**OIL COALESCING
VESSEL:**

V-150 (PROTECTED BY PSV-1501)

MAKE: EFX COMPRESSION - CALGARY
CODE: W, RT-1, HT; YEAR BUILT: 2005
MAWP: 350 PSI @ 250 DEG F
MDMT: -20 DEG F @ 350 PSI
CORROSION ALLOWANCE: 0.125"
CRN NO: R8623.231
SERIAL NO: 050763-08
(A) 545139
FILTER QTY AND SIZE: 12 - 18"
FILTER MODEL NO: PZC318-CME

FUEL GAS SCRUBBER:

V-160 (PROTECTED BY PSV-1601)

MAKE: LOTECH MANUFACTURING INC.
CODE: W; YEAR BUILT: 2005
MAWP: 285 PSI @ 650 DEG F
MDMT: -20 DEG F @ 285
CORROSION ALLOWANCE: 0.125"
CRN NO: OH4081.21345
SERIAL NO: 8286.1520



COMPONENTS CONTINUED

PSV'S:

PSV-1101 PRESSURE SAFETY VALVE

MAKE: MERCER
TYPE: 9152H11T82U1S
CAPACITY: 4474 SCFM
SET PRESSURE: 300 PSI
CRN NO: 0G8841.5C
SIZE: 3" 150 ANSI x 2" 300 ANSI
DATE: 04-06 RESET 07/28
SERIAL NO: 247478

PSV-1501 PRESSURE SAFETY VALVE

MAKE: MERCER
TYPE: 9152H11T82U1S
CAPACITY: 4474 SCFM
SET PRESSURE: 300 PSI
CRN NO: 0G8841.5C
SIZE: 3" 150 ANSI X 2" 300 ANSI
DATE: 07-27 RESET 07/28
SERIAL NO: 247479

PSV-1601 PRESSURE SAFETY VALVE

MAKE: MERCER
TYPE: 8117151V09G11
CAPACITY: 387 SCFM
SET PRESSURE: 100 PSI
CRN NO: 0G8841.5C
SIZE: 1" FNPT X 1" MNPT
DATE: 10-05
SERIAL NO: 209324



COMPONENTS CONTINUED

- SCREW COMPRESSOR:** **S-210 (PROTECTED BY PSV-1501)**
MAKE: KOBELCO
MODEL NO: KS23LLNB
SERIAL NO: AB11664
MAX RPM: 3550
- NATURAL GAS ENGINE:** **M-310**
MAKE: WAUKESHA
MODEL NO: F18GL LCR
HORSEPOWER: 400
SERIAL NO: C-15882/A
COPRESSION RATIO: 8.7.1
EM-3101 EXHAUST MUFFLER
MAKE: SILEX SUPER HOSPITAL PLUS
MODEL NO: JE-8-SI-3-AL-A
- HEATERS:** **H-410 / H-420**
MAKE: CIS-CAN
MODEL NO: W 24X24
SERIAL NO: 319204, 319199
- H-430**
MAKE: CIS-CAN
MODEL NO: W 12X24
SERIAL NO: 319204
- FAN AND COOLER ASSEMBLY:** **C-510**
MAKE: AIR-X-HEMPHILL
REF: S027114
MODEL NO: 93 EF
TAG: 400 HP STOCK
JOB: 54531D
- EJW COOLER:** MAKE: AIR-X-HEMPHILL
YEAR BUILT: 2005
MAWP: 14 PSI @ 300°F
MDMT: -20°F @ 14 PSI
HYDRO: 75 PSI
SERIAL NO: 54531D.1
- AUX:** MAKE: AIR-X-HEMPHILL
YEAR BUILT: 2005
MAWP: 14 PSI @ 300°F
MDMT: -20°F @ 14 PSI
HYDRO: 75 PSI
SERIAL NO: 54531D.2



COMPONENTS CONTINUED

CLOW:

MAKE: AIR-X-HEMPHILL
YEAR BUILT: 2005
MAWP: 14 PSI @ 300°F
MDMT: -20°F @ 14 PSI
HYDRO: 75 PSI
SERIAL NO: 54531D.3

AFTER COOLER:

MAKE: AIR-X-HEMPHILL
(PROTECTED BY PSV-1501)
YEAR BUILT: 2005
MAWP: 350 PSI @ 250°F
MDMT: -20°F @ 350 PSI
HYDRO: 455 PSI
NATIONAL BOARD NUMBER: 1244
CRN NO: R2628.213
SERIAL NO: 54531D.4

PLATE EXCHANGER:

C-530 (PROTECTED BY PSV-1501)
MAKE: VIEX
CHAN A: HOT MAWP: 350 PSI @ 250°F
CHAN B: HOT MAWP: 350 PSI @ 250°F
CHAN A: COLD MDMT: -20°F @ 350 PSI
CHAN B: COLD MDMT: -20°F @ 350 PSI
YEAR BUILT: 2005
CRN NO: R5688.213
SERIAL NO: 270916-109

GLYCOL PUMP:

P-620
MAKE: PRICE PUMP CO.
MODEL: CD150PAI-494-21211-FM
BOM/SPEC: A03-494-W211-0000
SERIAL NO: 55627
BELT DRIVEN BY M-310

ENGINE OIL DAY TANK:

T-710 A/B
MAKE: ENERFLEX STETTLER
SIZE: 86 US GALLONS
SERIAL NO: DTA-797 & DTA-796
WELDER: 17 & 27

ENGINE JACKET WATER
EXPANSION TANK:

T-720
MAKE: ENERLFEX STETTLER
SIZE: 30" X 12" X 6"
PART NO: CPLT-08
SERIAL NO: DTA-798



COMPONENTS CONTINUED

AUXILLARY GLYCOL
EXPANSION TANK:

T-730
MAKE: ENERFLEX STETTLER
SIZE: 30" X 12" X 6"
PART NO: CPLT-08
SERIAL NO: DTA-799

SKID DRAIN TANK:

T-750 A/B
MAKE: ENERLFEX STETTLER
SIZE: 100 US GALLONS

OIL FILTERS:

F-810 A/B
MAKE: DONALDSON
MODEL NO: HMK25
WORKING PRESSURE: 350 PSI
DESIGN TEMPERATURE: 250 DEG F
PART NO: P169984
ELEMENT NO: P165569

CONICAL STRAINER:

F-820
MAKE: ALBERTA STRAINER
MODEL NO: 6" 300
TYPE: STAINLESS STEEL
150% OPEN AREA; 40 / 40 MESH

FUEL GAS FILTER:

F-830 (PROTECTED BY PSV-1601)
MAKE: SPX AIR TREATMENT
MODEL: 3159063
MAWP: 250 PSI @ 150 DEG F
FLOW: 375 SCFM @ 100 PSI
ELEMENT: 3161231
CRN NO: 0E5966.1234567890
SERIAL NO: 1245816

OIL FILTER:

F-840
MAKE: STAUFF
MODEL NO: 10 MICRON
PART NO: SF-6721



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COMPONENTS CONTINUED

CONTROLLERS:

PY-1101 I/P TRANSDUCER (SUCTION)

MAKE: FAIRCHILD
CAT NO: TCX17800-403EN
SERIAL NO: 262143-0506-5

LC-1101 LEVEL CONTROLLER

MAKE: FISHER
TYPE: FSL2-XB
SERIAL NO: 17310422

LC-1102 LEVEL CONTROLLER

MAKE: MURPHY
TYPE: L1200N DVO
PART NO: 15700078 B-1

**TC-5101/TC-5102 TEMPERATURE
CONTROLLER**

MAKE: KIMRAY
MODEL: HT-12

COMPONENTS CONTINUED

CONTROL VALVES:

PCV-1101 PRESSURE CONTROL VALVE

MAKE: FISHER
ACTUATOR TYPE: 1051
ACTUATOR SIZE: 40
BODY TYPE: V200 SER B CL300/600
BODY SIZE: 4"
SERIAL NO: 17399876G

LCV-1101 LEVEL CONTROL VALVE

MAKE: FISHER
MODEL: D2 FLO PRO C/W 1/2" TRIM
LOT/DATE: MO-D2-0032-1606

LCV-1102 LEVEL CONTROL VALVE

MAKE: FISHER
MODEL: D2 FLO PRO C/W 1/2" TRIM
LOT/DATE: MO-D2-0032-1606

PCV-1601 PRESSURE CONTROL VALVE

MAKE: FISHER
TYPE: 627-587 c/w 3/16" orifice
SPRING RANGE: 70-150 PSI

PCV-1602 / PCV-1603 PRESSURE CONTROL VALVES

MAKE: FISHER
TYPE: 67CFR-362TB
SPRING RANGE: 0-35 PSI

PCV-1604 PRESSURE CONTROL VALVE

MAKE: FISHER
TYPE: 67CFR-362TB
SPRING RANGE: 0-35 PSI

PCV-1605 PRESSURE CONTROL VALVE

MAKE: FISHER
TYPE: 67CFR-362TB
SPRING RANGE: 0-35 PSI

TCV-2101 THERMOSTATIC CONTROL VALVE

MAKE: AMOT
MODEL NO: 2BHCT14001
SERIAL NO: M3770
SET: 140° F

COMPONENTS CONTINUED

CONTROL VALVES CONT:

PCV-3101 PRESSURE CONTROL VALVE

MAKE: FISHER
TYPE: 627-497 c/w 1/2" orifice
SPRING RANGE: 15-40 PSI

PCV-3102 PRESSURE CONTROL VALVE

MAKE: FISHER
TYPE: Y692-WE1
3-5" WC c/w 3/4" ORIFICE

PCV-3103 / PCV-3104 PRESSURE CONTROL VALVES

MAKE: FISHER
TYPE: 627-557 c/w 1/2" orifice
SPRING RANGE: 15-40 PSI

PCV-4101 / PCV-4201 / PCV-4301 PRESSURE CONTROL VALVES

MAKE: FISHER
TYPE: 912N

TSDV-4101 / TSDV-4201 / TSDV-4301 TEMPERATURE SHUTDOWN VALVES

MAKE: BASO
TYPE: H17CB-5, G LP 1/2 PSI

PCV-4102 / PCV-4202 / PCV-4302 PRESSURE CONTROL VALVES

MAKE: MAXITROL
TYPE: ES404



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COMPONENTS CONTINUED

PANEL:

MAKE: JIRO 10M
SERIAL NO: 530-0507



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COMPONENTS CONTINUED

ELECTRICAL / INST:

HS-1101 HAND SWITCH

MAKE: TELEMECANIQUE
MODEL NO: XALB174H29H7

LSHH-1101 LEVEL SHUT DOWN HIGH

MAKE: MURPHY
MODEL NO: L1200

**PT-1101 PRESSURE TRANSMITTER
(SUCTION)**

MAKE: WIKA
MODEL: 1S-20-S
RANGE: 0-100 PSI
PART NO: 12214621
SERIAL NO: 2607LVS

XY-1101 SOLENOID (SUCTION)

MAKE: ASCO
SOLENOID CAT NO: EF8003G1
VALVE CAT NO: EF8320G202
SERIAL NO: C248373

LSLL-1501 LEVEL SHUT DOWN LOW

MAKE: MURPHY
MODEL NO: L1200

**PT-1501 PRESSURE TRANSMITTER
(COALESCOR)**

MAKE: WIKA
MODEL: 1S-20-S
RANGE: 0-300 PSI
PART NO: 12214663
SERIAL NO: 26064HS

**PT-2101 PRESSURE TRANSMITTER
(LOW OIL FILTER)**

MAKE: WIKA
MODEL: 1S-20-S
RANGE: 0-300 PSI
PART NO: 12214663
SERIAL NO: 26064GY



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COMPONENTS CONTINUED

ELECTRICAL / INST CONT: **PT-2102 PRESSURE TRANSMITTER
(HIGH OIL FILTER)**

MAKE: WIKA
MODEL: 1S-20-S
RANGE: 0-300 PSI
PART NO: 12214663
SERIAL NO: 26064GQ

**PT-2103 PRESSURE TRANSMITTER
(DISCHARGE)**

MAKE: WIKA
MODEL: 1S-20-S
RANGE: 0-300 PSI
PART NO: 12214663
SERIAL NO: 2607SFS

**TE-2101 DISCHARGE
TEMPERATURE SENSOR**

MAKE: WIKA
TYPE: 4' PYROLEAD
PART NO: 6" STEM

VSHH-2101 VIBRATION SWITCH HIGH

MAKE: MURPHY
TYPE: VS2-E

**TE-2102 COMPRESSOR OIL
TEMPERATURE SENSOR**

MAKE: WIKA
TYPE: 4' PYROLEAD
PART NO: 6" STEM

FSDV-3101 FUEL SHUT DOWN VALVE

MAKE: MURPHY
MODEL NO: M5081-P

**LISLL-3101 LEVEL INDICATING SWITCH
LOW (ENGINE OIL)**

MAKE: KENCO
MODEL NO: KLCE-10



COMPONENTS CONTINUED

ELECTRICAL / INST CONT:

MPU-3101 SPEED SENSOR

MAKE: ALTRONIC
PART NO: 691-118-2

**PT-3101 PRESSURE TRANSMITTER
(ENGINE OIL)**

MAKE: WIKA
MODEL: 1S-20-S
RANGE: 0 – 200 PSI
PART NO: 12123544
SERIAL NO: 26060MA

**TE-3101 ENGINE JACKET
WATER TEMPERATURE SENSOR**

MAKE: WIKA
TYPE: 4' PYROLEAD
PART NO: 6" STEM

VSHH-3101 VIBRATION SWITCH HIGH

MAKE: MURPHY
TYPE: VS2-E

XY-3101 SOLENOID (FUEL GAS)

MAKE: ASCO
SOLENOID CAT NO: EF8003G1
VALVE CAT NO: EF8320G202
SERIAL NO: C248873

**PT-3102 PRESSURE TRANSMITTER
(MANIFOLD)**

MAKE: WIKA
MODEL: 1S-20-S
RANGE: -30" HG – 30 PSI
PART NO: 12214485
SERIAL NO: 2606PA3

**TE-3102 ENGINE OIL
TEMPERATURE SENSOR**

MAKE: WIKA
TYPE: 4' PYROLEAD
PART NO: 8" STEM



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COMPONENTS CONTINUED

ELECTRICAL / INST CONT: **XY-3102 SOLENOID (STARTER)**
MAKE: ASCO
SOLENOID CAT NO: EF8003G1
VALVE CAT NO: EF8320G202
SERIAL NO: 240976

**TE-3103 EXHAUST
TEMPERATURE SENSOR**
MAKE: WIKA
TYPE: 4' PYROLEAD
PART NO: 6" STEM

VSHH-5101 VIBRATION SWITCH HIGH
MAKE: MURPHY
TYPE: VS2-E

**LISLL-7201 / LISLL-7301 LEVEL
INDICATING SWITCH LOW (ENGINE
COOLANT)**
MAKE: MURPHY
TYPE: EL150K1-E

COMPONENTS CONTINUED

PRESSURE GAUGES:

DPI-1101 DIFFERENTIAL PRESSURE INDICATOR

MAKE: MID WEST
MODEL: 120AA-00-00
SCALE: 0-50 PSI / 0-350 KPA
SERIAL NO: 11021112

PI-1101 PRESSURE INDICATOR

MAKE: WIKA SS LF
SCALE: 0-400 PSI / 0-2800 KPA
SIZE: 1/2" BTM X 4" FACE

PI-1601 PRESSURE INDICATOR

MAKE: WIKA SS LF
SCALE: 0-200 PSI / 0-1400 KPA
SIZE: 1/4" BTM X 2 1/2" FACE

PI-1602 / PI-1603 / PI-1604 / PI-1605 PRESSURE INDICATORS

MAKE: WIKA SS LF
SCALE: 0-60 PSI / 0-420 KPA
SIZE: 1/4" BTM X 2 1/2" FACE

PI-2101 PRESSURE INDICATOR

MAKE: WIKA SS LF
SCALE: 0-400 PSI / 0-2100 KPA
SIZE: 1/4" BTM X 2 1/2" FACE

PI-3101 PRESSURE INDICATOR

MAKE: WIKA LF
SCALE: 0-60 PSI / 0-420 KPA
SIZE: 1/4" BTM X 2 1/2" FACE

PI-3102 PRESSURE INDICATOR

MAKE: WIKA LF
SCALE: -30" HG - 30 PSI
SIZE: 1/4" CBM X 2 1/2" FACE



COMPONENTS CONTINUED

MISC:

LG-1101 LEVEL GAUGE

MAKE: PENBERTHY
MODEL NO: 1RM-7 STLNE
ASSY: 7G394-090
CRN: 0F0990.9C
C/W 330J SIGHT GLASS VALVES
CRN: 0F0990.9C

LG-1501 LEVEL GAUGES

MAKE: PENBERTHY
MODEL NO: 1RM-7 STLNE
ASSY: 7G394-090
CRN: 0F0990.9C
C/W 330J SIGHT GLASS VALVES
CRN: 0F0990.9C

FG-1501 / FG-1502 FLOW GAUGE

MAKE: AC&R
MODEL NO: SG-04

MC-2101 COUPLER (BELL HOUSE MOUNTED)

MAKE: METASTREAM
MODEL NO: TSCS500-0055-1778

TI-2103 TEMPERATURE INDICATOR

MAKE: TREND
SCALE: 0 TO 250°F / -20 TO 120°C
SIZE: 1/2" CBM X 3" FACE

I-3101 CUSTOM ENGINE CONTROLLER

MAKE: WAUKESHA
MODEL: 811A
SERIAL NO: 4006

GA-3101 GOVERNOR ACTUATOR

MAKE: MANNESMANN (REXROTH)
PC: P59718-10
MODEL: A-2-H
RANGE: 3-15 PSI



COMPONENTS CONTINUED

MISC CONTINUED:

**CE-3101 CRANKCASE EVACUATION
VENTURI**

MAKE: US 49G183 J
ELEMENT: 489604

S-3101 STARTER

MAKE: TDI TURBOSTART
MODEL NO: T30P
PART NO: T312-60015-01R
SERIAL NO: 06010716

SV-3101 START VALVE

MAKE: TURBOSTART
MODEL NO: RLVA

TC-3101 WAUKESHA EJW THERMOSTAT

MAKE: WAUKESHA
MODEL NO: 110-130 °F
PART NO: A305446
SERIAL NO: 050405

ACT-5101 / ACT-5102 ACTUATOR

MAKE: GARZO
MODEL NO: 5016630
SERIAL NO: 42563, 46311

FJ-5101 / FJ-5102 FLEX JOINTS

MAKE: AEROQUIP
PART NO: NN1600C0300B06050
SIZE: 3"

TI-5101 TEMPERATURE INDICATOR

MAKE: TREND
SCALE: 0 TO 250°F / -20 TO 120°C
SIZE: ½" CBM X 3" FACE

TI-5102 TEMPERATURE INDICATOR

MAKE: TREND
SCALE: 0 TO 250°F / -20 TO 120°C
SIZE: ½" CBM X 3" FACE

TI-5103 TEMPERATURE INDICATOR

MAKE: TREND
SCALE: 0 TO 250°F / -20 TO 120°C
SIZE: ½" CBM X 3" FACE



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COMPONENTS CONTINUED

MISC CONT:

TI-5104 TEMPERATURE INDICATOR

MAKE: TREND
SCALE: 0 TO 250°F / -20 TO 120°C
SIZE: ½" CBM X 3" FACE

TI-5301 TEMPERATURE INDICATOR

MAKE: TREND
SCALE: 0 TO 250°F / -20 TO 120°C
SIZE: ½" CBM X 3" FACE

TI-5302 TEMPERATURE INDICATOR

MAKE: TREND
SCALE: 0 TO 250°F / -20 TO 120°C
SIZE: ½" CBM X 3" FACE

TI-5303 TEMPERATURE INDICATOR

MAKE: TREND
SCALE: 0 TO 250°F / -20 TO 120°C
SIZE: ½" CBM X 3" FACE

TI-5304 TEMPERATURE INDICATOR

MAKE: TREND
SCALE: 0 TO 250°F / -20 TO 120°C
SIZE: ½" CBM X 3" FACE

TI-5305 TEMPERATURE INDICATOR

MAKE: TREND
SCALE: 0 TO 250°F / -20 TO 120°C
SIZE: ½" CBM X 3" FACE

LG-7101 LEVEL GAUGES

MAKE: 5/8" RED LINE SIGHT GLASS
C/W PENBERTHY N7A GAUGE VALVES
CRN NO: OF2553.5C

LG-7201 / LG-7301 LEVEL GAUGES

MAKE: STAUFF
MODEL NO: SNA127B-S-T-12

FG-7501 / FG-7502 FLOW GAUGES

MAKE: AC&R
MODEL NO: SG-16



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COMPONENTS CONTINUED

OPTIONS

FLOW METER:

FE-1601

MAKE: ROOTS METER
MODEL NO: 8C-175
B/M: 051389-122
METER FACTOR: 1.002
SERIAL NO: 0622395

AUTO SPEED CONTROL:

PY-3101 I/P TRANSDUCER

MAKE: FAIRCHILD
MODEL: TCX17800-403EN
SERIAL NO: 262143-0506-4

AUTO SLIDE:

UY-2101 SWITCHING VALVE

MAKE: DENISON HYDRAULICS
MODEL: 026-67509-0
C/W KINECOR SUB PLATE
MODEL: H1C-4025 AND
SUNHYDRAULIC RELIEF VALVES
MODEL NO: RPGC-FBN, RPGC-LBN,
CSAB-XXN

AUTO BLOWDOWN:

BDV-5101 BLOW DOWN VALVE

MAKE: FISHER
MODEL: D2 FLO PRO
LOT/DATE: MO-D2-0082-2606

XY-5101 SOLENOID

MAKE: ASCO
SOLENOID CAT NO: EF8003G1
VALVE CAT NO: EF8320G202
SERIAL NO: C242617

AUTO RECYCLE:

PCV-1102 PRESSURE CONTROL VALVE

MAKE: FISHER
TYPE: 1052
ACTUATOR SIZE: 20
BODY TYPE: V200
SIZE: 2" CL 150/600
SERIAL NO: 17707413G

PY-1102 I/P TRANSDUCER

MAKE: FAIRCHILD
MODEL: TCX17850-403EN
SERIAL NO: 262900-0606-2

COMPONENTS CONTINUED

**OPTIONS CONT
AUTO RECYCLE:**

XY-1102 SOLENOID

MAKE: ASCO
SOLENOID CAT NO: EF8003G1
VALVE CAT NO: EF8320G202
SERIAL NO: 248873

LEL DETECTION:

AIT-1101

MAKE: NET SAFETY
MODEL NO: UTB-SC1100-100-R

H2S DETECTION:

AIT-1102

MAKE: NET SAFETY
MODEL: UTB-ST1200-100-R
SENSOR SERIAL NO: 11585EN
CONTROLLER SERIAL NO: M14758EN

FIRE DETECTION:

FD-1101

MAKE: NET SAFETY FIRE EYE
MODEL NO: UVS-AR
SERIAL NO: 107602FN/QC 14442

**BACKPRESSURE
CONTROL VALVE:**

PCV-5101

MAKE: FISHER
ACTUATOR TYPE: 1051
ACTUATOR SIZE: 40
BODY TYPE: V200 SER B CL300/600
BODY SIZE: 3"
SERIAL NO: 17994755 G

PY-5101 I/P TRANSDUCER

MAKE: FAIRCHILD
MODEL: TCX17850-403EN
SERIAL NO: 270176-0107-2

HIGH DISCHARGE RECYCLE: PCV-5102

MAKE: FISHER
TYPE: 1052
ACTUATOR SIZE: 20
BODY TYPE: V200
SIZE: 2" CL 150/600
SERIAL NO: 17985855 G



PENGROWTH CORPORATION
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COMPONENTS CONTINUED

**HIGH DISCHARGE
RECYCLE CONT:**

PY-5102 I/P TRANSDUCER
MAKE: FAIRCHILD
MODEL: TCX17850-403EN

OPTIONS CONT:

**TE-5101 FINAL DISCHARGE
TEMPERATURE SENSOR**
MAKE: WIKA
TYPE: 4' PYROLEAD
PART NO: 6" STEM

GENERATOR:

G-3101
MAKE: ELECTRODYNE
MODEL: 101499-HZ24
SERIAL NO: D6F088A
RATING: 24V 60 AMP

BATTERIES

MAKE: BATTERY ELECTRIC
PART NO: BACTRIC G27
INVOICE NO: 16369

CRANE:

MAKE: W.F. WELDING & CRANE
SERIAL NO: C4420A

COMPONENTS CONTINUED

VALVES:

2" THRD SENIOR FLEXONICS FLEX JOINT
MAWP: 435 PSIG @ 70 DEG F
PART NO: C06439A
CRN: 0D2524.5234670189

1" THRD SENIOR FLEXONICS FLEX JOINT
MAWP: 725 PSI @ 70 DEG F
PART NO: C06788A
CRN: 0D2524.5234670189

VALVES:

6" 300 WHEATLEY SOUR WAFER CHECK VALVE

4" 300 SFI SOUR WAFER CHECK VALVE
SERIAL NO: 132245-20, 132245-22

3" 300 SFI SOUR WAFER CHECK VALVE
SERIAL NO: 132966-178

3" 150 ANSI B-N STD BUTTERFLY VALVES

2" 300 ANSI FP NUTRON STD BALL VALVES
SERIAL NO: 477469018, 477469013

2" 300 ANSI WHEATLEY SOUR CHECK VALVE
SERIAL NO: VW-7594-15, VW-6188-18

2" SFI CROWN THRD NACE CHECK VALVE

2" THRD ALTA Y-STRAINER CL600

2" THRD DHV BALL VALVES 2000

2" THRD FORTUNE LOCKING BALL VALVES 2000

1 1/2" THRD DHV BALL VALVES 2000

1 1/4" DHV GLOBE VALVES CLASS 800

1 1/4" THRD DHV GLOBE VALVES 800

1" THRD DHV BALL VALVES 2000

1" THRD EXCALIBUR LOCKING BALL VALVES
2000



PENGROWTH CORPORATION
UNIT # S4000603

COMPONENTS CONTINUED

VALVES:

- 1" THRD SFI CROWN CHECK VALVES 2000
- 3/4" THRD DHV GLOBE VALVES 800
- 1/2" THRD 316SS PANAM NEEDLE VALVES
- 1/2" THRD DHV BALL VALVES 2000
- 3/8" SS SWAGELOK SS-CHS6-1 INLINE CHECK VALVE
- 3/8" THRD CCI THERMAL BALL VALVES 600 WOG
- 1/4" THRD 316SS PANAM MINI NEEDLE VALVES
- 1/4" THRD DHV BALL VALVES 2000
- 1/4" THRD SWAGELOK SS-1VS6 NEEDLE VALVES
- 1/4" SWAGELOK SS-4-ST STREET TEES



FITTINGS:

DESCRIPTION:	MATERIAL:	HEAT NO:
10" 300 SCH 40 RFWN FLANGE	SA-105N	57374
10" X 6" SCH 40 CONC RED	SA234-WPB	05N20020
8" 300 SCH 40 RFWN FLANGE	SA-105N	292A5
8" X 4" SCH 40 CONC RED	SA234-WPB	05G20019
8" X 4" SCH 40 REDUCING TEE	SA234-WPB	05N10145
6" 300 SCH 40 RF WN FLANGE	SA-105N	31963, 33575
6" SCH 40 90 DEG WELD ELLS	SA234-WPB	06A00080, 5252
6" SCH 40 45 DEG WELD ELLS	SA234-WPB	06A00015
6" X 4" SCH 40 CONC RED	SA234-WPB	05N20018
6" X 3" SCH 40 RED TEE	SA234-WPB	06A10001
4" 150 BLINDHUB THRD 2" FLANGES	SA-105N	79858
4" 300 BLIND RF FLANGES	SA-105N	32510
4" 150 SCH 40 RFWN FLANGES	SA-105N	31827, 31832
4" 300 SCH 40 RFWN FLANGES	SA-105N	32536, 32510, 38486
4" SCH 40 90 DEG WELD ELLS	SA234-WPB	05P00008, 0404, 2946
4" SCH 40 90 DEG WELD ELLS SR	SA234-WPB	7472
4" SCH 40 45 DEG WELD ELLS	SA234-WPB	0404
4" SCH 40 STRAIGHT TEE	SA234-WPB	5K3348
4" X 3" SCH 40 CONC REDUCER	SA234-WPB	06A20009
4" X 3" SCH 40 RED TEE	SA234-WPB	087A
4" X 2" SCH 40 X SCH 80 RED TEE	SA234-WPB	48N10075
4" X 2" SCH 40 X SCH 80 CONC RED	SA234-WPB	48N20076, 5178
3" 300 SCH 40 RFWN FLANGES	SA-105N	421A5, 113A5
3" 150 SCH 40 RFWN FLANGES	SA-105N	79580
3" SCH 40 90 DEG WELD ELL	SA234-WPB	4154
3" X 2" SCH 40 X SCH 80 RED TEE	SA234-WPB	48N10001
3" X 2" SCH 40 X SCH 80 CONC RED	SA234-WPB	48N20006, 48M20029, 5F6055
3" X 1 1/2" SCH 80 SWAGE BLE/TSE	SA234-WPB	2290
3" X 1 1/4" SCH 80 SWAGE BLE/TSE	SA234-WPB	WCAG



FITTINGS

DESCRIPTION:	MATERIAL:	HEAT NO:
2" 300 BLIND FLANGE	SA-105N	75740, 75751
2" 150 SCH 80 RF WN FLANGE	SA-105N	78257
2" 300 SCH 80 RF WN FLANGE	SA-105N	10941, 10938
2" SCH 80 90 DEG WELD ELLS	SA234-WPB	59124, B257
2" SCH 80 90 DEG WELD ELLS SR	SA234-WPB	562B
2" SCH 80 45 DEG WELD ELLS	SA234-WPB	0018
2" SCH 80 WELD TEE	SA234-WPB	5J5762
2" FS THREAD-O-LETS 3000	SA-105N	56343, 56581
2" FS THRD UNIONS 3000	SA-105N	UPO
2" FS THRD 90 DEG ELLS 3000	SA-105N	56671
2" FS THRD 45 DEG ELLS 3000	SA-105N	2230
2" FS THRD TEE 3000	SA-105N	2104
2" X 1 1/2" XH SWAGE BLE/TSE	SA234-WPB	31300
2" X 1" XH SWAGE TBE	SA234-WPB	31300, K1085
2" X 1" 3000 THRD RED TEE	SA-105N	2351
1 1/2" FS THRD TEES 3000	SA-105N	TG3, TG9
1 1/2" FS THRD 90 DEG ELLS 3000	SA-105N	BVD
1 1/2" FS THRD UNIONS 3000	SA-105N	66U
1 1/2" X 1" SCH 80 SWAGE TBE	SA234-WPB	K962
1 1/4" FS THRD 90 DEG ELLS 3000	SA-105N	56496
1 1/4" FS THRD UNIONS 3000	SA-105N	EC
1 1/4" FS THRD TEES 3000	SA-105N	ZZ7
1" FS THREAD-O-LETS 3000	SA-105N	56691, 56618
1" FS THRD 90 DEG ELLS 3000	SA-105N	2401
1" FS THRD 45 DEG ELLS 3000	SA-105N	2357
1" FS THRD UNIONS 3000	SA-105N	05
1" FS THRD TEES 3000	SA-105N	2408
1" X 1/4" XH SWAGE TBE	SA234-WPB	77065
3/4" FS THREAD-O-LETS 6000	SA-105N	56691
3/4" FS THREAD-O-LETS 3000	SA-105N	56664, 56438
3/4" FS ELBOLET 6000	SA-105N	56250
3/4" FS ELBOLET 3000	SA-105N	56338, 56126
3/4" FS THRD 90 DEG ELLS 3000	SA-105N	GR9
3/4" X 1/2" XH SWAGE TBE	SA234-WPB	78251
1/2" FS THREAD-O-LETS 6000	SA-105N	56578, 56274
1/2" FS THREAD-O-LETS 3000	SA-105N	56599, 56638, 56539



FITTINGS

DESCRIPTION:

MATERIAL:

HEAT NO:

1/2" FS ELBOLET 6000	SA-105N	56436
1/2" FS THRD CROSS 3000	SA-105N	TH7
1/2" FS THRD 90 DEG ELLS 3000	SA-105N	56522

PIPE:

6" SCH 40 SMLS PIPE	SA-106B	6BH-40
4" SCH 40 SMLS PIPE	SA-106B	4CB-40, 4CC-40
3" SCH 80 SMLS PIPE	SA-106B	3EK-80
3" SCH 40 SMLS PIPE	SA-106B	3ED-40, 3EC-40
2" SCH 80 SMLS PIPE	SA-106B	2DI-80, 2DN-80
1 1/2" SCH 80 SMLS PIPE	SA-106B	1.5AN-80
1" SCH 80 SMLS PIPE	SA-106B	1CE-80

N:\CADD\CADD Drawings\Compressor Drawings\S400\S400-0603-WS-23LLNB SOUR PLATINUM COMPRESSORS\S4000603-pid RevG AB SC-1708-1.dwg, 26/01/2017 7:15:59 AM, SStrenman, This drawing is the exclusive property of ENERFLEX Systems Ltd. and may not be copied or communicated to a third party without the authorisation of ENERFLEX

V-110 SUCTION SCRUBBER

Manufacturer: ENERFLEX
 Size: 30" x 6'-4" S/S
 Rated: 350psi @ 250°F
 12-18" FILTERS
 1/8" CA

H-410 NATURAL GAS HEATER

Manufacturer: CIS-CAN
 Size: 24" x 24"
 16,000 btu/hr
 12 Volt Start
 Protection Grill
 VENT HOOD

H-420 NATURAL GAS HEATER

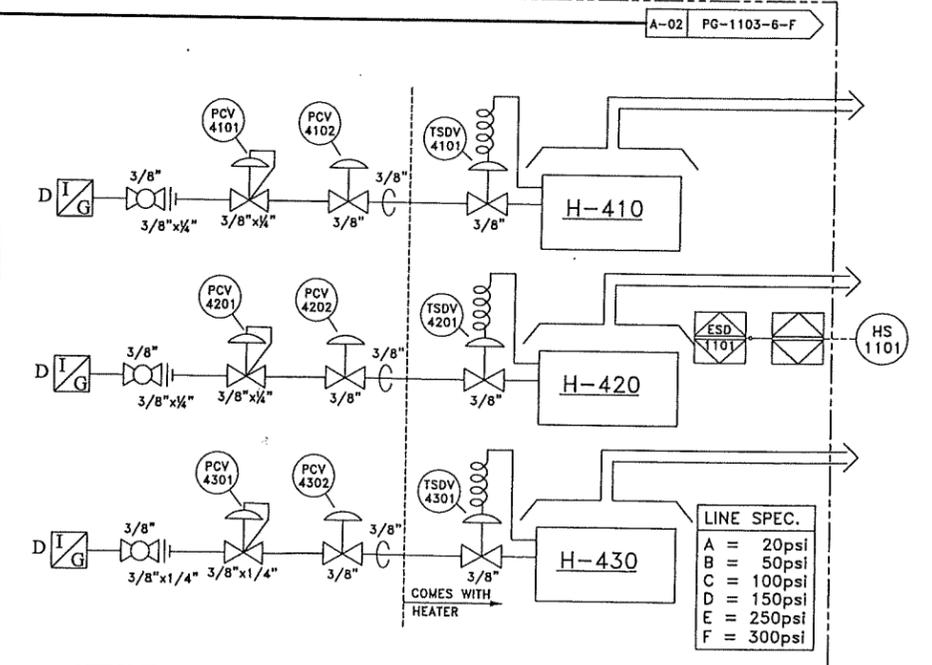
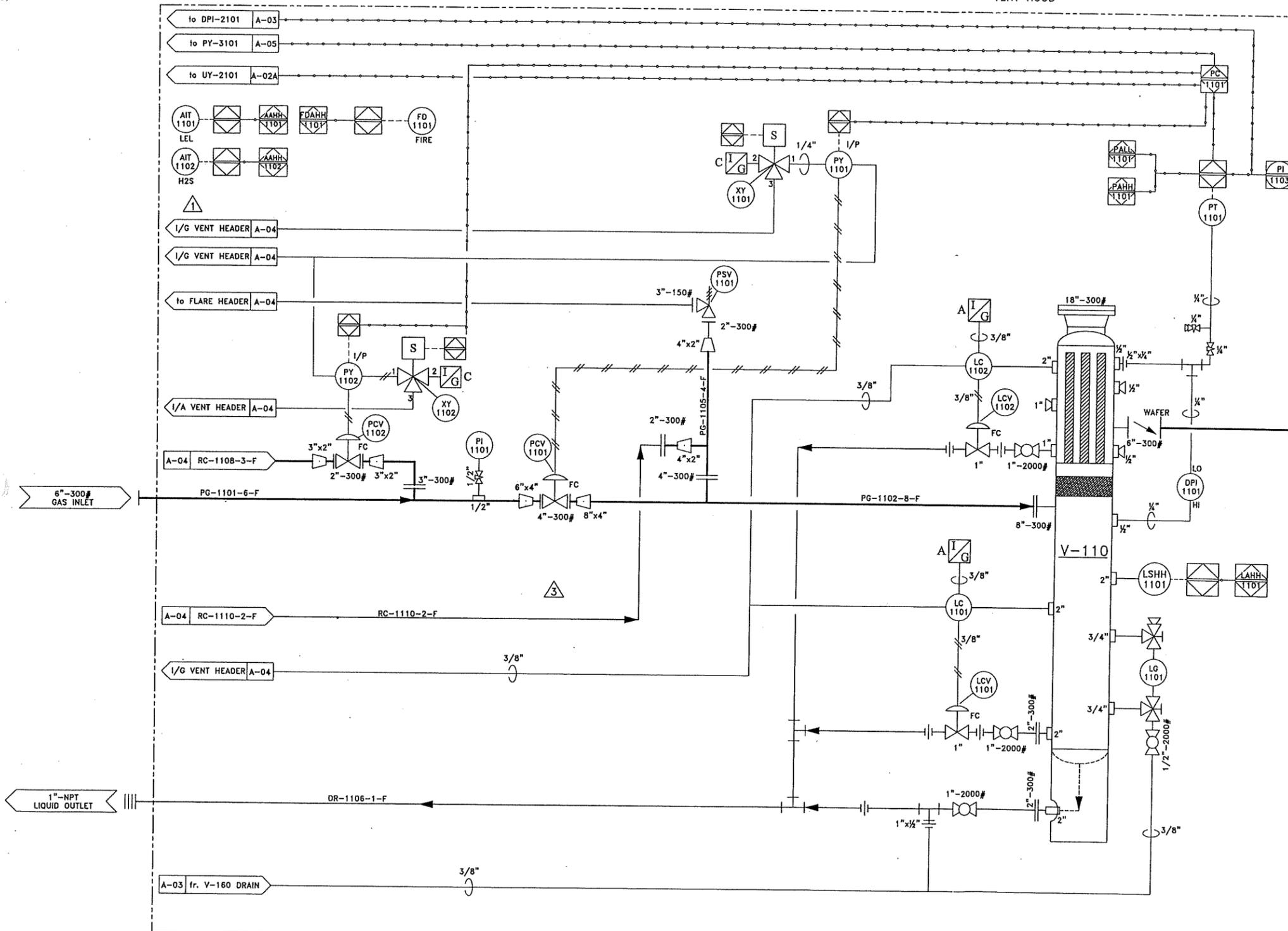
Manufacturer: CIS-CAN
 Size: 24" x 24"
 16,000 btu/hr
 12 Volt Start
 Protection Grill
 VENT HOOD

H-430 NATURAL GAS HEATER

Manufacturer: CIS-CAN
 Size: 12" x 24"
 8,000 btu/hr
 12 Volt Start
 Protection Grill
 VENT HOOD

MATERIAL LIST

ITEM	DESCRIPTION	MAKE	MODEL
PSV-1101	PRESSURE SAFETY VALVE, 2"-300# x 3"-150#, SET @300 psi	MERCER	H ORIFICE
HS-1101	EMERGENCY SHUTDOWN HAND SWITCH	TELEMECANIQUE	#XAL B174H29H7
LSHH-1101	LEVEL SHUTDOWN HIGH	MURPHY	L1200
PCV-1101	PRESSURE CONTROL VALVE - FC, 4"-300 VEE-BALL	FISHER	V200 SERB
LC-1101	LEVEL CONTROLLER	FISHER	FSL2-XB
LC-1102	LEVEL CONTROLLER	MURPHY	L1200NDVO
LCV-1101	LEVEL CONTROL VALVE, 1"NPT, 1/2" PORT, FC	FISHER	D2 FLO PRO
LCV-1102	LEVEL CONTROL VALVE, 1"NPT, 1/2" PORT, FC	FISHER	D2 FLO PRO
LG-1101	LEVEL GAUGE c/w 330J GAUGE VALVES	PENBERTHY	1RM-7STLNE
PI-1101	PRESSURE INDICATOR 1/2"BTM x 4"FACE, 0-400psi/0-2800kPa	WIKA	SSLF
PCV-4101	PRESSURE CONTROL VALVE, SET @ 1/2 psi	FISHER	912N
PCV-4201	PRESSURE CONTROL VALVE, SET @ 1/2 psi	FISHER	912N
PCV-4301	PRESSURE CONTROL VALVE, SET @ 1/2 psi	FISHER	912N
PCV-4102	EMERGENCY SHUTDOWN VALVE	MAXITROL	ES404
PCV-4202	EMERGENCY SHUTDOWN VALVE	MAXITROL	ES404
PCV-4302	EMERGENCY SHUTDOWN VALVE	MAXITROL	ES404
TSDV-4101	TEMPERATURE SHUTDOWN VALVE, COMES WITH HEATER	BASO	H17CB5
TSDV-4201	TEMPERATURE SHUTDOWN VALVE, COMES WITH HEATER	BASO	H17CB5
TSDV-4301	TEMPERATURE SHUTDOWN VALVE, COMES WITH HEATER	BASO	H17CB5
DPI-1101	DIFFERENTIAL PRESSURE INDICATOR, 0-50 psi	MIDWEST	120AA-00-00
PT-1101	PRESSURE TRANSMITTER, 0-100psi, SUCTION	WIKA	12214621
PY-1101	I/P TRANSDUCER	FAIRCHILD	TCX17800-403EN
XY-1101	SOLENOID	ASCO	EF8320G202



LINE SPEC.

A	= 20psi
B	= 50psi
C	= 100psi
D	= 150psi
E	= 250psi
F	= 300psi

COMES WITH HEATER

PCV-1102	PRESSURE CONTROL VALVE - FC, 2"-300 VEE-BALL	FISHER	V200
PY-1102	I/P TRANSDUCER	FAIRCHILD	TCX17800-403EN
XY-1102	SOLENOID	ASCO	EF8320G202
FD-1101	FIRE EYE	NET SAFETY	UVS-AR
AIT-1102	H2S - REDUCED POWER GAS DETECTOR	NET SAFETY	MLP-LP-AR-ST1200-SEP
AIT-1101	LEL-REDUCED POWER GAS DETECTOR	NET SAFETY	UTB-SC1100-100-R

LINE TYPE LEGEND

	PROCESS TUBING/ INSTRUMENT SUPPLY
	PNEUMATIC SIGNAL
	COMPUTER SIGNAL
	ELECTRIC SIGNAL

REV.	DESCRIPTION	BY	DATE	CHKD	APPD
4	AS BUILT FOR SC-1699-C1	SLS	07-01-26		
3	REVISED FOR SC-1699-C1	WST	07-01-12	WST	SE
2	AS BUILT	ASR	06-07-20	WST	SE
1	REVISED FOR SC-1617-C2	ASR	06-06-30	WST	SE
0	ISSUED FOR CONSTRUCTION	ASR	06-04-10	WST	SE



5221-46th St. Stettler Alberta Phone: 403.742.5538
Box 1450, T0C 2L2 Fax: 403.742.5539

S400 SERIES COMPRESSOR
KOBELCO 23LLNB w/ F18GL TURBO ENGINE
SKID MOUNTED, SOUR SERVICE

COMPANY:		JOB NO.:	S4000603
Drawn by:	ASR	Checked by:	WST
Approved by:	SE	DATE:	06-04-10
SCALE:	N.T.S.	DRAWING NO.:	CDL-S4000603-A-01
REV.:	4		

**S-210
SCREW COMPRESSOR**

Manufacturer: KOBELCO
Model: KS23LLNB
max. of 80psig SUCTION
max. of 250psig DISCHARGE
CAPACITY CONTROL SLIDE VALVE
Adjustable VI

**F-810A/B
OIL FILTERS**

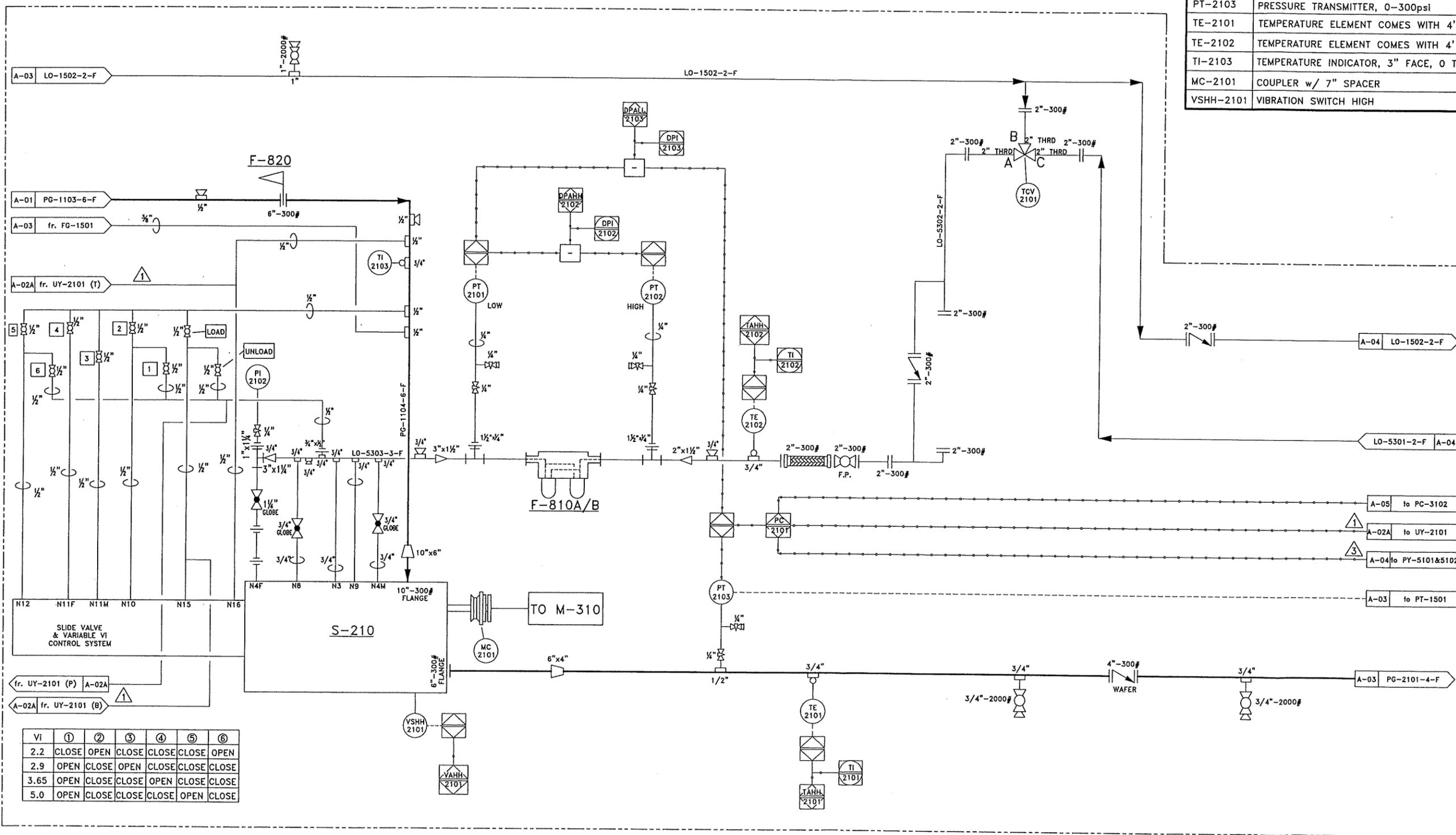
Manufacturer: DONALDSON
Model: HMK25
Part: P169984
Filter: P165569
Max. Working Pressure: 350psi@250°F

**F-820
CONICAL STRAINER**

Manufacturer: ALBERTA STRAINER
Model: 6"-300#
Type: STAINLESS STEEL
40/40 TYPE MESH
150% OPEN AREA

MATERIAL LIST

ITEM	DESCRIPTION	MAKE	MODEL
TCV-2101	THERMOSTATIC VALVE, SET @ 140°F	AMOT	2BHCT14001
PI-2102	PRESSURE INDICATOR 1/2"BTM x 2 1/2"FACE, 0-400psi/0-2100kPa	WIKA	SSLF
PT-2101	PRESSURE TRANSMITTER, 0-300psi	WIKA	12214663
PT-2102	PRESSURE TRANSMITTER, 0-300psi	WIKA	12214663
PT-2103	PRESSURE TRANSMITTER, 0-300psi	WIKA	12214663
TE-2101	TEMPERATURE ELEMENT COMES WITH 4' PYROLEAD	WIKA	6" STEM
TE-2102	TEMPERATURE ELEMENT COMES WITH 4' PYROLEAD	WIKA	6" STEM
TI-2103	TEMPERATURE INDICATOR, 3" FACE, 0 TO 250°F	TREND	
MC-2101	COUPLER w/ 7" SPACER	META STREAM	TSCS-500-0055-1778
VSHH-2101	VIBRATION SWITCH HIGH	MURPHY	VS-2E



VI	①	②	③	④	⑤	⑥
2.2	CLOSE	OPEN	CLOSE	CLOSE	CLOSE	OPEN
2.9	OPEN	CLOSE	OPEN	CLOSE	CLOSE	CLOSE
3.65	OPEN	CLOSE	CLOSE	OPEN	CLOSE	CLOSE
5.0	OPEN	CLOSE	CLOSE	CLOSE	OPEN	CLOSE

LINE TYPE LEGEND	
	PROCESS TUBING/ INSTRUMENT SUPPLY
	MAIN PROCESS GAS
	SECONDARY PROCESS
	UTILITY PROCESS
	PNEUMATIC SIGNAL
	COMPUTER SIGNAL
	ELECTRIC SIGNAL

REV.	DESCRIPTION	BY	DATE	CHKD	APPD
4	AS BUILT FOR SC-1699-C1	SLS	07-01-26	WST	SE
3	REVISED FOR SC-1699-C1	WST	07-01-12	WST	SE
2	AS BUILT	ASR	06-07-20	WST	SE
1	REVISED FOR SC-1617-C2	ASR	06-06-30	WST	SE
0	ISSUED FOR CONSTRUCTION	ASR	06-04-10	WST	SE



5221-46th St. Stettler Alberta Phone: 403.742.5538
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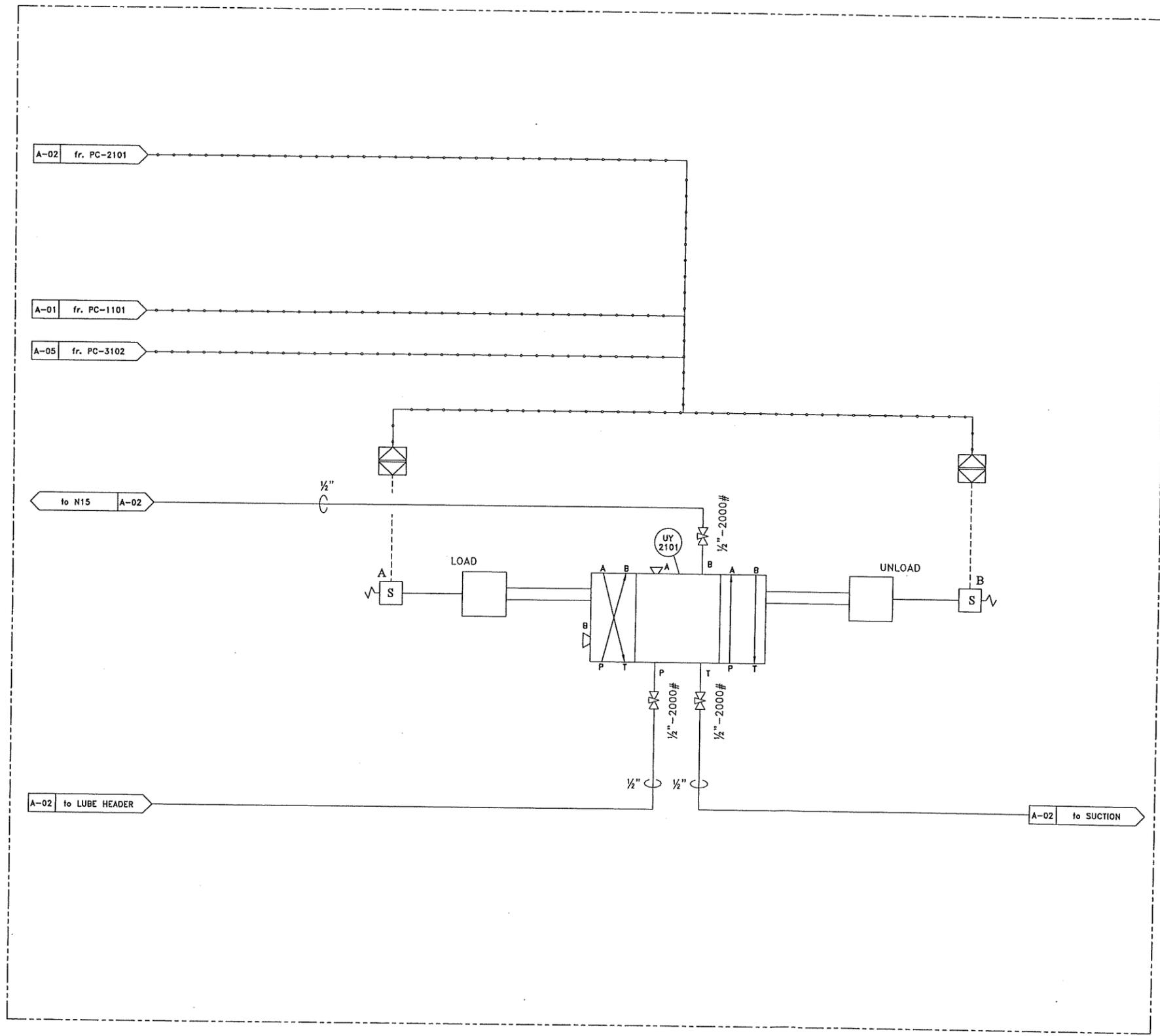
S400 SERIES COMPRESSOR
KOBELCO 23LLNB w/ F18GL TURBO ENGINE
SKID MOUNTED, SOUR SERVICE

COMPANY: PENGROWTH CORPORATION		JOB NO.: S4000603	
Drawn by: ASR	Checked by: WST	Approved by: SE	DATE: 06-04-10
SCALE: N.T.S.	DRAWING NO.: COL-S4000603-A-02	REV.: 4	

3 Brennan, This drawing is the exclusive property of ENERFLEX Systems Ltd. and may not be copied or communicated to a third party without the authorization of ENERFLEX
 N:\CADD\CADD Drawings\Comp...r Drawings\S400\S400-0603-WIS-23LLNB SOUR PLATINUM COMPRESSION\S4000603-pid Rev5 AB SC-1708-J1.dwg, 26/01/2007 7:16:07

MATERIAL LIST

ITEM	DESCRIPTION	MAKE	MODEL
UY-2101	ELECTRIC SWITCHING VALVE	DENISON	026-67509-0
	c/w SUB PLATE	KINECOR	HIC-4025
	c/w RELIEF CATRIDGES	SUN HYDRAULICS	RPGC-FBN RPEC-LBN CSAB-XXN



LINE TYPE LEGEND	
	PROCESS TUBING/ INSTRUMENT SUPPLY
	PNEUMATIC SIGNAL
	COMPUTER SIGNAL
	ELECTRIC SIGNAL

REV.	DESCRIPTION	BY	DATE	CHKD	APPD
3	AS BUILT FOR SC-1699-C1	SLS	07-01-26		
2	REVISED FOR SC-1699-C1	WST	07-01-12	WST	SE
1	AS BUILT	ASR	06-07-20	WST	SE
0	ISSUED FOR CONSTRUCTION FOR SC-1617-C2	ASR	06-06-30	WST	SE



5221-46th St. Stettler Alberta Phone: 403.742.5538
Box 1450, T0C 2L2 Fax: 403.742.5539

S400 SERIES COMPRESSOR
KOBELCO 23LLNB w/ F18GL TURBO ENGINE
SKID MOUNTED, SOUR SERVICE

COMPANY:		JOB NO.: S4000603	
Drawn by: ASR	Checked by: WST	Approved by: SE	DATE: 06-06-29
SCALE: N.T.S.		DRAWING NO.: CDL-S4000603-A-02A	
REV.: 3			

N:\CADD\CADD Drawings\Compressor Drawings\S400\S400-23LLNB SOUR PLATINUM COMPRESSOR\S4000603-pit Rev6 AB SC-1708-11.dwg, 26/01/2007 7:16:40 AM, SBrerman. This drawing is the exclusive property of ENERFLEX Systems Ltd. and may not be copied or communicated to a third party without the written authorization of ENERFLEX.

V-150
OIL COALESCING SEPARATOR

Manufacturer: ENERFLEX
Size: 30" x 6'-4" S/S
Rated: 350psi @ 250°F
12-12" FILTERS
1/8" CA

V-160
FUEL GAS SCRUBBER

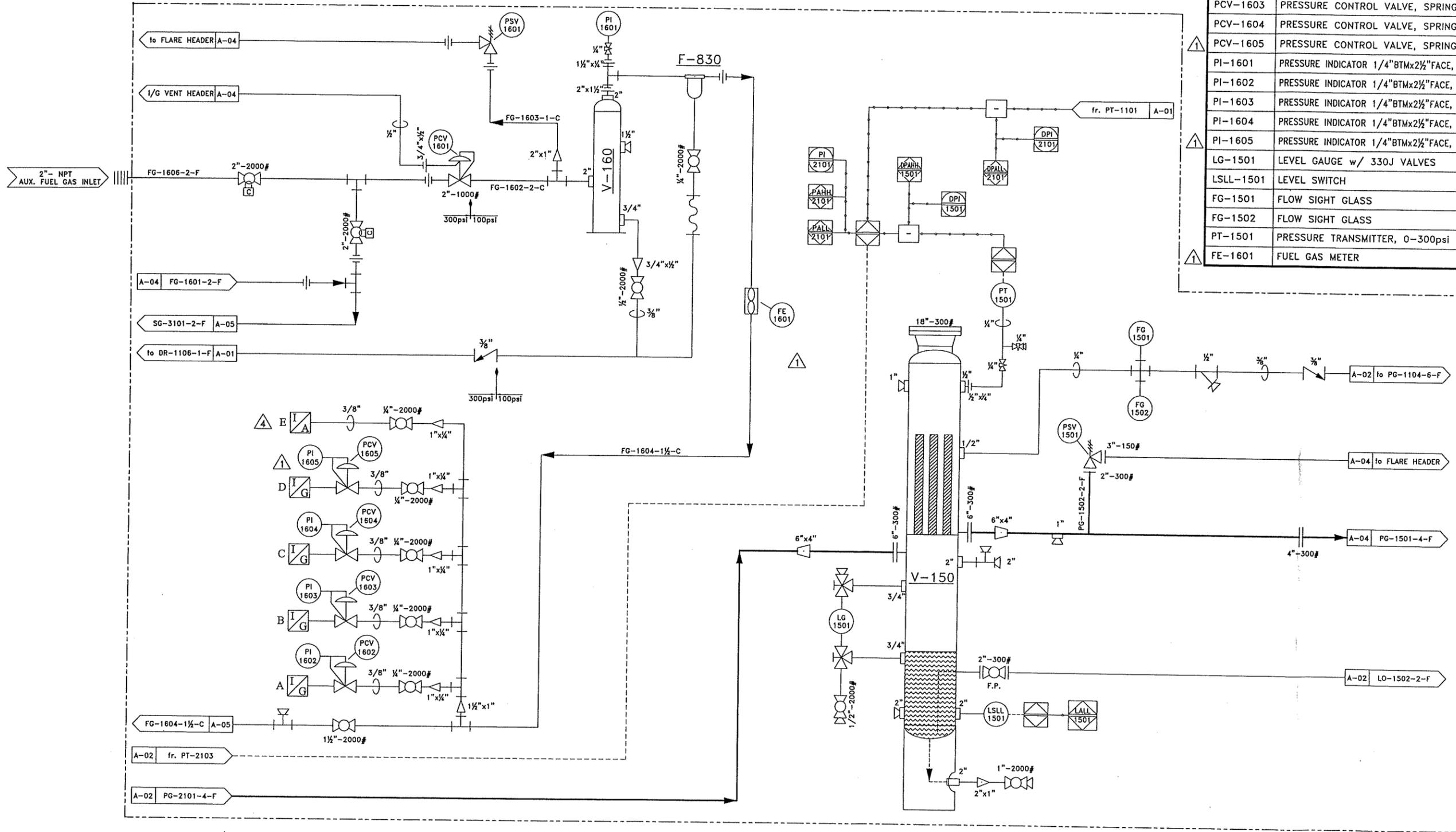
Manufacturer: LOTECH
Part: 8x36BSB
Size: 8" x 36" S/S
Rated: 285psi @ 650°F
1/8" CA

F-830
FUEL GAS FILTER

Manufacturer: SPX AIR TREATMENT
Model: 3159063
Flow: 375 SCFM @ 100psi
Element: 3161231 (0.1 MICRON)
MAWP: 250psi @ 150°F

MATERIAL LIST

ITEM	DESCRIPTION	MAKE	MODEL
PSV-1501	PRESSURE SAFETY VALVE, 2"-300# x 3"-150#, SET @ 300 psi	MERCER	H ORIFICE
PSV-1601	PRESSURE SAFETY VALVE, 1"x1", SET @ 100 psi	MERCER	E ORIFICE
PCV-1601	PRESSURE CONTROL VALVE, SPRING RANGE 70-150psi, 3/16" PORT	FISHER	627-567
PCV-1602	PRESSURE CONTROL VALVE, SPRING RANGE 0-35psi	FISHER	67CFR-362TB
PCV-1603	PRESSURE CONTROL VALVE, SPRING RANGE 0-35psi	FISHER	67CFR-362TB
PCV-1604	PRESSURE CONTROL VALVE, SPRING RANGE 0-35psi	FISHER	67CFR-362TB
PCV-1605	PRESSURE CONTROL VALVE, SPRING RANGE 0-35psi	FISHER	67CFR-362TB
PI-1601	PRESSURE INDICATOR 1/4"BTMx2 1/2"FACE, 0-200psi/1400kPa	WIKA	SSLF
PI-1602	PRESSURE INDICATOR 1/4"BTMx2 1/2"FACE, 0-60psi/0-420kPa	WIKA	SSLF
PI-1603	PRESSURE INDICATOR 1/4"BTMx2 1/2"FACE, 0-60psi/0-420kPa	WIKA	SSLF
PI-1604	PRESSURE INDICATOR 1/4"BTMx2 1/2"FACE, 0-60psi/0-420kPa	WIKA	SSLF
PI-1605	PRESSURE INDICATOR 1/4"BTMx2 1/2"FACE, 0-60psi/0-420kPa	WIKA	SSLF
LG-1501	LEVEL GAUGE w/ 330J VALVES	PENBERTHY	IRM-7STLNE
LSLL-1501	LEVEL SWITCH	MURPHY	L1200
FG-1501	FLOW SIGHT GLASS	AC&R	SG-04
FG-1502	FLOW SIGHT GLASS	AC&R	SG-04
PT-1501	PRESSURE TRANSMITTER, 0-300psi	WIKA	12214663
FE-1601	FUEL GAS METER	ROOTS	8C175



LINE TYPE LEGEND	PROCESS TUBING/ INSTRUMENT SUPPLY
—	—
—	—
—	—
—	—

REV.	DESCRIPTION	BY	DATE	CHKD	APPD
5	AS BUILT FOR SC-1699-C1 & SC-1708-J1	SLS	07-01-24	WST	SE
4	REVISED FOR SC-1708-J1	SLS	07-01-24	WST	SE
3	REVISED FOR SC-1699-C1	WST	07-01-12	CAD	ENG
2	AS BUILT	ASR	06-07-20	WST	SE
1	REVISED FOR SC-1617-C2	ASR	06-06-30	WST	SE
0	ISSUED FOR CONSTRUCTION	ASR	06-04-10	WST	SE



S400 SERIES COMPRESSOR
KOBELCO 23LLNB w/ F18GL TURBO ENGINE
SKID MOUNTED, SOUR SERVICE

COMPANY: PENGROWTH CORPORATION		JOB NO.: S4000603
Drawn by: ASR	Checked by: WST	Approved by: SE
DATE: 06-04-10	SCALE: N.T.S.	DRAWING NO.: CDL-S4000603-A-03
REV.: 5		

5221-46th St. Steffler Alberta Phone: 403.742.5538
Box 1450, TOC-2L2 Fax: 403.742.5539

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N:\CADD\CADD Drawings\Compressor Drawings\S400\S400-0603-WS-23LLNB SOUR PLATINUM COMPRESSOR\S4000603-pid Rev5 AB SC-1708-J1.dwg, 26/01/2007 7:16:26 *** S8reman, This drawing is the exclusive property of ENERFLEX Systems Ltd. and may not be copied or communicated to a third party without the authorization of ENERFLEX

C-510
EJW/AUX/CLOW/AFTER COOLER

Manufacturer: AIR-X-HEMPHILL
 Model: 93EF
 COOLER ASSEMBLY
 EJW-14 psi@300°F
 AUX-W-14 psi@300°F
 CLOW-14 psi@300°F
 AC-350 psi@250°F

C-530
PLATE EXCHANGER

Manufacturer: VIEX INC.
 Model: VYN-46-SS-FS-1-100 (46 PLATES)
 DISCHARGE: 350 psi @ 250°F

P-620
GLYCOL PUMP

Manufacturer: PRICE PUMP CO.
 Model: CD150(P) AL-494-21211
 2,400 RPM, 68 USGPM
 BELT DRIVEN BY M-310

T-720
EXPANSION TANK

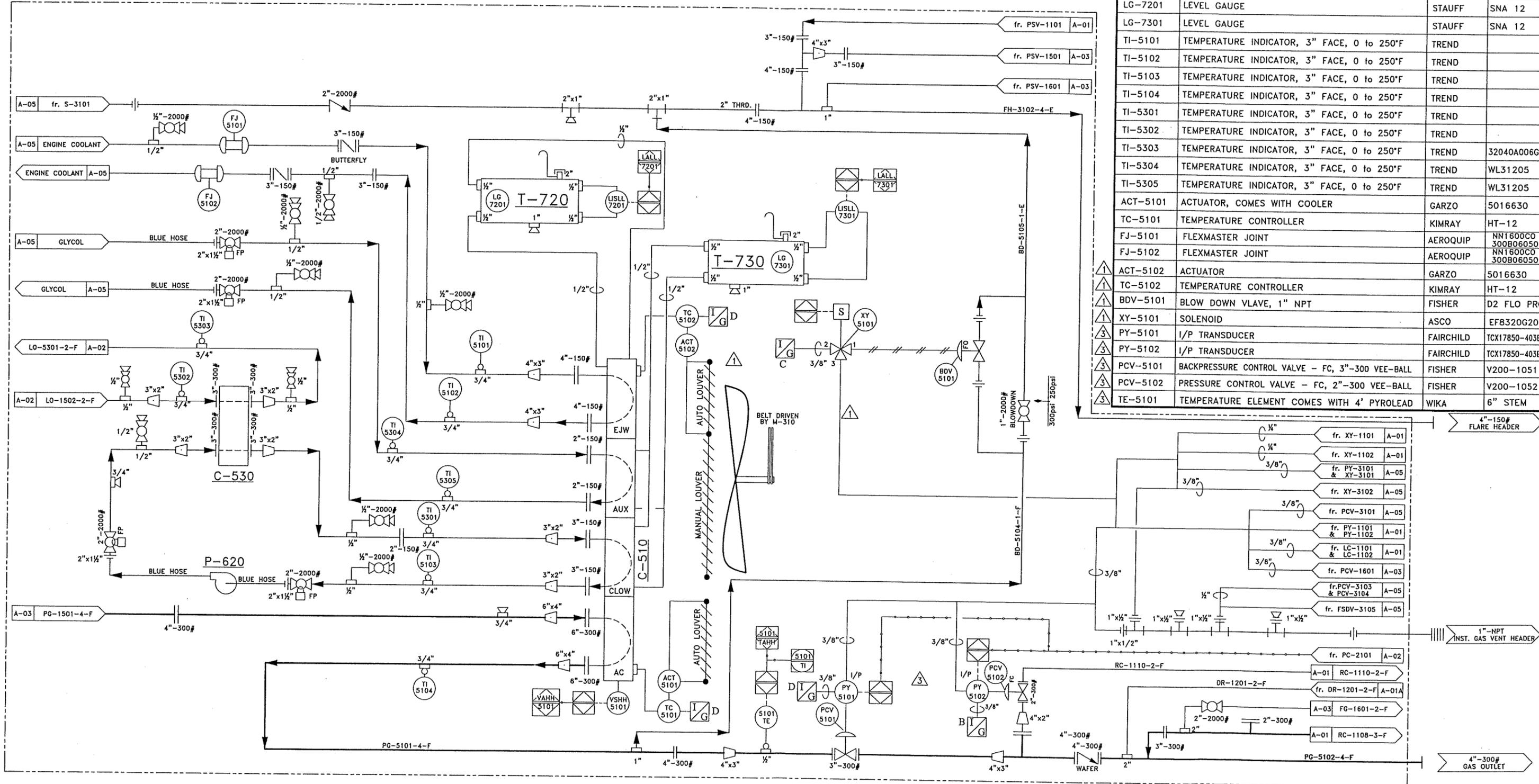
Manufacturer: ENERFLEX-STETTLER
 30"x12"x6"
 Part: CPLT-08

T-730
EXPANSION TANK

Manufacturer: ENERFLEX-STETTLER
 30"x12"x6"
 Part: CPLT-08

MATERIAL LIST

ITEM	DESCRIPTION	MAKE	MODEL
VSHH-5101	VIBRATION SWITCH HIGH	MURPHY	VS-2E
LISLL-7201	LEVEL INDICATING SHUTDOWN SWITCH	MURPHY	EL150K1E
LISLL-7301	LEVEL INDICATING SHUTDOWN SWITCH	MURPHY	EL150K1E
LG-7201	LEVEL GAUGE	STAUFF	SNA 12
LG-7301	LEVEL GAUGE	STAUFF	SNA 12
TI-5101	TEMPERATURE INDICATOR, 3" FACE, 0 to 250°F	TREND	
TI-5102	TEMPERATURE INDICATOR, 3" FACE, 0 to 250°F	TREND	
TI-5103	TEMPERATURE INDICATOR, 3" FACE, 0 to 250°F	TREND	
TI-5104	TEMPERATURE INDICATOR, 3" FACE, 0 to 250°F	TREND	
TI-5301	TEMPERATURE INDICATOR, 3" FACE, 0 to 250°F	TREND	
TI-5302	TEMPERATURE INDICATOR, 3" FACE, 0 to 250°F	TREND	
TI-5303	TEMPERATURE INDICATOR, 3" FACE, 0 to 250°F	TREND	32040A006G4
TI-5304	TEMPERATURE INDICATOR, 3" FACE, 0 to 250°F	TREND	WL31205
TI-5305	TEMPERATURE INDICATOR, 3" FACE, 0 to 250°F	TREND	WL31205
ACT-5101	ACTUATOR, COMES WITH COOLER	GARZO	5016630
TC-5101	TEMPERATURE CONTROLLER	KIMRAY	HT-12
FJ-5101	FLEXMASTER JOINT	AEROQUIP	NN1600CO 300B06050
FJ-5102	FLEXMASTER JOINT	AEROQUIP	NN1600CO 300B06050
ACT-5102	ACTUATOR	GARZO	5016630
TC-5102	TEMPERATURE CONTROLLER	KIMRAY	HT-12
BDV-5101	BLOW DOWN VALVE, 1" NPT	FISHER	D2 FLO PRO
XY-5101	SOLENOID	ASCO	EF8320G202
PY-5101	I/P TRANSDUCER	FAIRCHILD	TCX17850-403EN
PY-5102	I/P TRANSDUCER	FAIRCHILD	TCX17850-403EN
PCV-5101	BACKPRESSURE CONTROL VALVE - FC, 3"-300 VEE-BALL	FISHER	V200-1051
PCV-5102	PRESSURE CONTROL VALVE - FC, 2"-300 VEE-BALL	FISHER	V200-1052
TE-5101	TEMPERATURE ELEMENT COMES WITH 4" PYROLEAD	WIKA	6" STEM



LINE TYPE LEGEND	
	PROCESS TUBING/ INSTRUMENT SUPPLY
	MAIN PROCESS GAS
	SECONDARY PROCESS
	UTILITY PROCESS
	PNEUMATIC SIGNAL
	COMPUTER SIGNAL
	ELECTRIC SIGNAL

NOTE:
 COOLER IS OUTSIDE BUILDING

REV.	DESCRIPTION	BY	DATE	CHKD	APPD
4	AS BUILT FOR SC-1699-C1	SLS	07-01-26	WST	SE
3	REVISED FOR SC-1699-C1	WST	07-01-12	WST	SE
2	AS BUILT	ASR	06-07-20	WST	SE
1	REVISED FOR SC-1617-C2	ASR	06-06-30	WST	SE
0	ISSUED FOR CONSTRUCTION	ASR	06-04-10	WST	SE



5221-46th St. Stiller Alberta Phone: 403.742.5538
 Box 1450, T0C 2L2 Fax: 403.742.5539

S400 SERIES COMPRESSOR
 KOBELCO 23LLNB w/ F18GL TURBO ENGINE
 SKID MOUNTED, SOUR SERVICE

COMPANY:		JOB NO.: S4000603	
Drawn by: ASR	Checked by: WST	Approved by: SE	DATE: 06-04-10
SCALE: N.T.S.	DRAWING NO.: CDL-S4000603-A-04	REV.: 4	

M-310
NATURAL GAS ENGINE
Manufacturer: WAUKESHA
Model: F18GL
Rating: 1800 RPM, 400HP (370 USABLE)

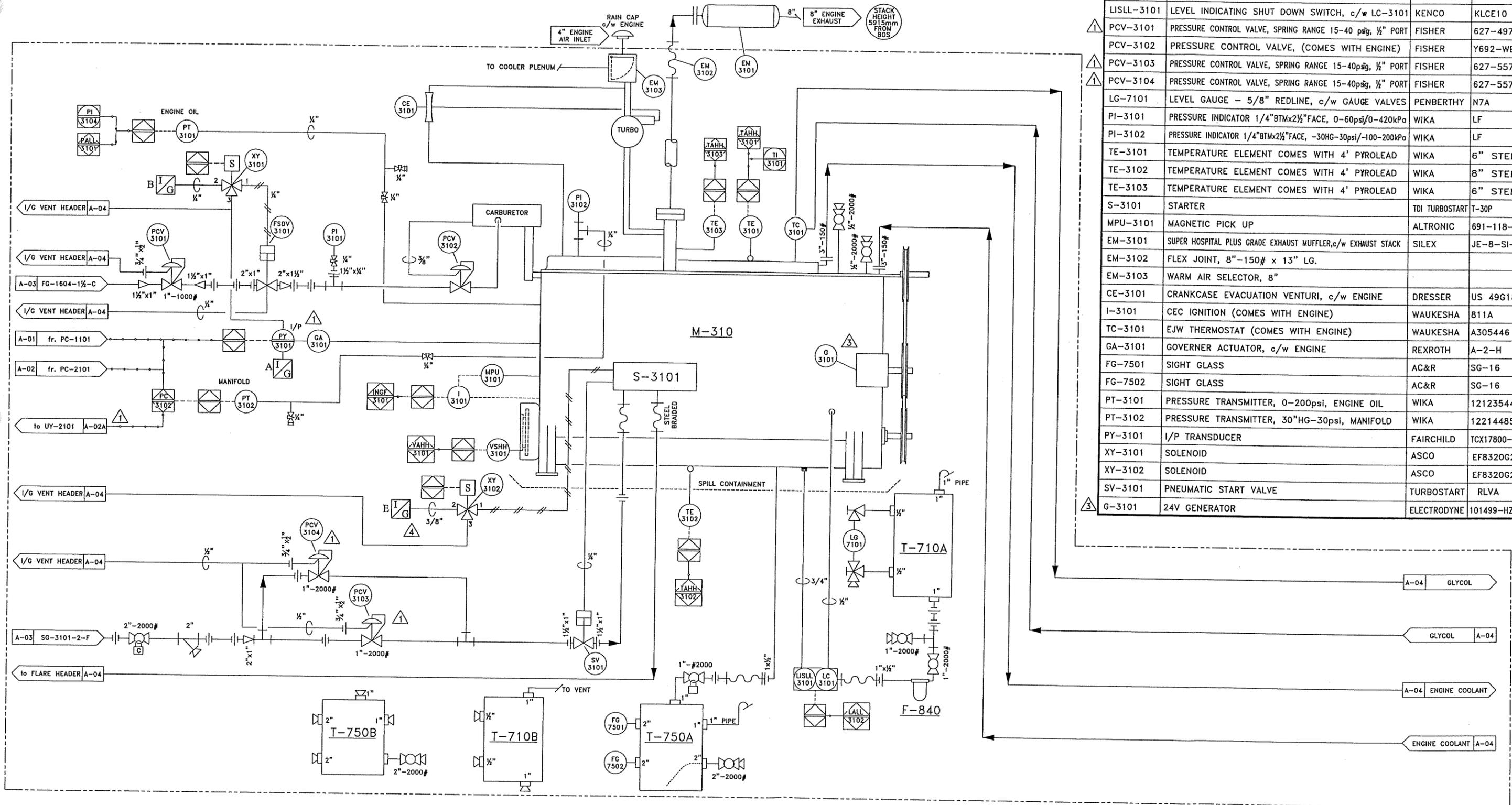
T-710 A/B
ENGINE OIL DAY TANK
Manufacturer: ENERFLEX
(INTEGRAL WITH CRANE RAILS)
Size: 86 U.S. gal

T-750A/B
SKID DRAIN TANK
Manufacturer: ENERFLEX
(WITHIN SKID)
Size: 100 US GAL.

F-840
OIL FILTER
Manufacturer: STAUFF
Model: SF6721
10 MICRON

MATERIAL LIST

ITEM	DESCRIPTION	MAKE	MODEL
FSDV-3101	FUEL SHUT DOWN VALVE	MURPHY	M50B1-P
VSHH-3101	VIBRATION SWITCH HIGH	MURPHY	VS-2E
LISLL-3101	LEVEL INDICATING SHUT DOWN SWITCH, c/w LC-3101	KENCO	KLCE10
PCV-3101	PRESSURE CONTROL VALVE, SPRING RANGE 15-40 psig, 1/2" PORT	FISHER	627-497
PCV-3102	PRESSURE CONTROL VALVE, (COMES WITH ENGINE)	FISHER	Y692-WE1
PCV-3103	PRESSURE CONTROL VALVE, SPRING RANGE 15-40 psig, 1/2" PORT	FISHER	627-557
PCV-3104	PRESSURE CONTROL VALVE, SPRING RANGE 15-40 psig, 1/2" PORT	FISHER	627-557
LG-7101	LEVEL GAUGE - 5/8" REDLINE, c/w GAUGE VALVES	PENBERTHY	N7A
PI-3101	PRESSURE INDICATOR 1/4" BTM x 2 1/2" FACE, 0-60 psi / 0-420 kPa	WIKA	LF
PI-3102	PRESSURE INDICATOR 1/4" BTM x 2 1/2" FACE, -30HG-30psi / -100-200kPa	WIKA	LF
TE-3101	TEMPERATURE ELEMENT COMES WITH 4' PYROLEAD	WIKA	6" STEM
TE-3102	TEMPERATURE ELEMENT COMES WITH 4' PYROLEAD	WIKA	8" STEM
TE-3103	TEMPERATURE ELEMENT COMES WITH 4' PYROLEAD	WIKA	6" STEM
S-3101	STARTER	TOI TURBOSTART	T-30P
MPU-3101	MAGNETIC PICK UP	ALTRONIC	691-118-2
EM-3101	SUPER HOSPITAL PLUS GRADE EXHAUST MUFFLER, c/w EXHAUST STACK	SILEX	JE-8-SI-AL-A
EM-3102	FLEX JOINT, 8"-150# x 13" LG.		
EM-3103	WARM AIR SELECTOR, 8"		
CE-3101	CRANKCASE EVACUATION VENTURI, c/w ENGINE	DRESSER	US 49G183 J
I-3101	CEC IGNITION (COMES WITH ENGINE)	WAUKESHA	811A
TC-3101	EJW THERMOSTAT (COMES WITH ENGINE)	WAUKESHA	A305446
GA-3101	GOVERNOR ACTUATOR, c/w ENGINE	REXROTH	A-2-H
FG-7501	SIGHT GLASS	AC&R	SG-16
FG-7502	SIGHT GLASS	AC&R	SG-16
PT-3101	PRESSURE TRANSMITTER, 0-200psi, ENGINE OIL	WIKA	12123544
PT-3102	PRESSURE TRANSMITTER, 30" HG-30psi, MANIFOLD	WIKA	12214485
PY-3101	I/P TRANSDUCER	FAIRCHILD	TCX17800-403EN
XY-3101	SOLENOID	ASCO	EF8320G202
XY-3102	SOLENOID	ASCO	EF8320G202
SV-3101	PNEUMATIC START VALVE	TURBOSTART	RLVA
G-3101	24V GENERATOR	ELECTRODYNE	101499-HZ24



LINE TYPE LEGEND	
	PROCESS TUBING/ INSTRUMENT SUPPLY
	PNEUMATIC SIGNAL
	COMPUTER SIGNAL
	ELECTRIC SIGNAL

REV.	DESCRIPTION	BY	DATE	CHKD	APPD
5	AS BUILT FOR SC-1699-C1 & SC-1708-J1	SLS	07-01-26		
4	REVISED FOR SC-1708-J1	SLS	07-01-24	WST	SE
3	REVISED FOR SC-1699-C1	WST	07-01-12	CAD	ENG
2	AS BUILT	ASR	06-07-20	WST	SE
1	REVISED FOR SC-1617-C2	ASR	06-06-30	WST	SE
0	ISSUED FOR CONSTRUCTION	ASR	06-04-10	WST	SE



S400 SERIES COMPRESSOR
KOBELCO 23LLNB w/ F18GL TURBO ENGINE
SKID MOUNTED, SOUR SERVICE

COMPANY:		JOB NO.:	S4000603
Drawn by:	ASR	Checked by:	WST
Approved by:	SE	DATE:	06-04-10
SCALE:	N.T.S.	DRAWING NO.:	CDL-S4000603-A-05
REV.:			5

5221-46th St. Stettler Alberta Phone: 403.742.5538
Box 1450, T0C 2L2 Fax: 403.742.5539

This drawing is the exclusive property of ENERFLEX Systems Ltd. and may not be copied or communicated to a third party without the written authorization of ENERFLEX.

S400 Series Enerflex

Kobelco KS23LLNB Gas Screw Compressor Flow Table - Waukesha F18GL Driver

Discharge Pressure (psig)

Pressure	Discharge Pressure (psig)										
	85	100	120	140	160	180	200	220	240	250	
0	1.155	1.144	1.129	1.120	1.095	1.076	1.057	1.038	0.959	1.007	
10	179	193	213	233	253	274	292	313	333	370	
20	2.113	2.098	2.081	2.061	2.050	2.031	2.012	1.992	1.779	1.585	
30	204	227	254	279	302	322	342	362	370	370	
40	3.065	3.042	3.015	2.996	2.977	2.956	2.759	2.409	2.087	1.848	
50	209	239	279	304	334	359	370	370	370	370	
60	4.064	4.033	3.973	3.941	3.913	3.736	3.332	2.985	2.557	2.287	
70	240	239	279	318	358	370	370	370	370	370	
80	X	5.029	4.977	4.909	4.873	4.475	3.950	3.646	3.104	2.816	
90	X	320	279	318	358	370	370	370	370	370	
100	X	X	5.895	5.966	5.861	5.364	4.826	4.248	3.596	3.381	
110	X	X	370	358	358	370	370	370	370	370	
120	X	X	X	6.129	6.337	6.341	5.679	5.088	4.423	4.030	
130	X	X	X	370	370	370	370	370	370	370	
140	X	X	X	X	6.407	6.558	6.560	5.899	5.179	4.767	
150	X	X	X	X	370	370	370	370	370	370	
160	X	X	X	X	X	6.557	6.760	6.829	5.987	5.516	
170	X	X	X	X	X	370	370	370	370	370	
180	X	X	X	X	X	X	6.293	6.476	6.397	5.977	
190	X	X	X	X	X	X	370	370	370	370	

-Flow Rate In MMScfd -2% (Vi ratio) Slide Valve Position %

-Brake Horsepower Required - 370 HP Available +4%

-Not Usable

X

-Oil Pump 50 GPM Required For Differential Pressure Below 80 PSI

Operating Conditions : Ambient Temperature 95 deg.F; Inlet Temperature 60 deg.F; Discharge Temperature 185 deg.F; Oil Supply Temp. 140 deg.F, Elevation 2500 feet; SG = 0.65; RPM=1800
 This chart is created by Jiro Engineering using Kobelco sizing program Version 2.0.5 and is for reference only. Please call Jiro Engineering for final sizing.

	Probable Causes	Remedy
High Discharge Temp	Insufficient amount of oil	Fill to correct oil level
	Contaminated Oil	Drain & flush system
	Thermal bypass valve damaged	Replace thermostat
	Fan belt loose or damaged	Tighten or replace
	Cooler louvers not operational	Adjust temp controllers, check for plugged supply gas lines to actuator
	Too much hot air return	Close return air flashings at cooler
	Buy back gas piping open	Close valve
	Plugged cooler	Steam clean
	High winds in direction of cooler face	Re-position unit if possible
	Damaged bearings in screw compressor	Check for metal filings in filter, if filings are found do not operate

	Probable Causes	Remedy
Inlet Pressure Low	Check gauge before suction controller	Check process piping before booster
	Suction controller not in wide open position	Repair as necessary
	Inlet gas particulate filter plugged	Check differential pressure gauge across filter for DP Check pressure reading from inlet piping gauge to panel gauge

	Probable Causes	Remedy
Low Production	Seized inlet check valve	Repair or Replace
	Restricted witches hat	Clean or Replace
	Discharge check valve stuck or not sealing	Clean or Replace
	Unit not fully loaded	Check Operation or Slide Valve
	Buy back valve not open	Close 1" Gate, Keep Closed Unless Needed
	Check inlet pressure gauge	Ensure Inlet Gauge Reads the Same as Supply Package
	Leaking suction PSV	Have Unit Inspected by Certified Personnel
	Worn or damaged compressor	Replace

	Probable Causes	Remedy
Discharge Pressure High	Restricted coalescer filter	Check differential gauge on panel
	Restricted gas cooler	Visually inspect filter & oil separator for contamination (i.e. - salt, crude oil)
	Kimray back pressure valve damaged	Contaminated internally (i.e. - crude oil, asphaltines, salt) To check - compare panel discharge gauge with gauge on Kimray back pressure regulator
	Restricted flow after compressor package	Repair Check pressures and repair as required

	Probable Causes	Remedy
Excessive Oil Consumption	Incorrect Oil	Drain & Flush oil and replace with correct
	Contaminated Oil	Drain & Flush oil and refill with new oil
	Damaged Coalescing Filter	Visually check flow rate in scavenger line sight glass - if heavy flow, inspect filter for damage
	Restricted Scavenger Line	Check scavenger line sight glass, if no flow visible replace scavenging filter and verify scavenger line is clear

	Probable Causes	Remedy
Oil Contamination	Liquid carry over (i.e. - liquid slugs, liquid in aerosol form)	Pre-separation
	Discharge temp too low - (won't flash liquids off)	Maintain discharge temp. 10°F above dewpoint
PLEASE NOTE: CONTAMINATED OIL OF ANY SORT GREATLY REDUCES BEARING LIFE. IT IS HIGHLY RECOMMENDED THAT CONTAMINATED OIL IS DRAINED IMMEDIATELY!!		

VISUALLY INSPECT COMPRESSOR OIL ON A DAILY BASIS.
 ANY DISCOLORING IS A SIGN OF CONTAMINATION.
 OIL SHOULD HAVE A NEW LIKE APPEARANCE AT ALL TIMES!!

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

CORRECTED COPY

1. Manufactured and certified by ENERFLEX SYSTEMS LTD., EFX COMPRESSION, 4700 47 STREET SE CALGARY, AB T2B 3R1
 (Name and address of Manufacturer)
 2. Manufactured for JIRO ENERFLEX, 5221-46TH STREET, P.O. BOX 1450 STETTLE, AB T0C 2L0 ACCOUNT 14675 **A** 544804
 (Name and address of Purchaser)
 3. Location of installation JIRO STOCK
 (Name and address)
 4. Type INLET VESSEL 050753-03 R8623.231 CDL-2004-15-REV 2 2005
 (Horiz. or vert. tank) (Mfr's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)
 5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 2004
 Year

6. Shell: SA-516-70N 0.500" 0.125" 2' 5" 6' 4"
 Addenda (Date) Code Case Nos. Special Service per UG 120(d)
 Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
 7. Seams: TYPE 1 FULL 100 1150 1.25 TYPE 1 FULL*/100 1
 Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (°F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, EFF %, or Full) No. of Courses or Full)
 8. Heads: (a) Matl. SA-516-70N (b) Matl. SA-516-70N
 (Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	TOP	0.4375"	0.125"	--	--	2:1	--	--	--	CONCAVE
(b)	BOTTOM	0.4375"	0.125"	--	--	2:1	--	--	--	CONCAVE

If removable, bolts used (describe other fastenings) SA193-B7M: 1.25" X 8.25: 24
 (Matl., Spec. No., Gr., Size, No.)
 9. MAWP 350 N/A psi at max. temp. 250 N/A °F
 (internal) (external) (internal) (external)
 Min. design metal temp. -20 °F at 350 psi. Hydro., pneu., or comb. T est pressure HYDRO AT 455 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
OIL/GAS INLET	1	8"	RFWN CL 300	SA105N/SA106B	0.875"	--	FIG UW-16.1 (C)	SHELL
GAS OUTLET	1	6"	RFWN CL 300	SA105N/SA333-6	0.719"	--	FIG UW-16.1 (C)	SHELL
DP, SPARE	2	0.5"	TOL	SA350-LF2	CL 6000	--	FIG UW-16.1 (A)	SHELL
LIQUID OUT	1	2"	RFWN CL 300	SA105N/SA106B	0.344"	--	FIG UW-16.1 (C)	SHELL
DRAIN	1	2"	RFWN CL 300	SA105N/SA106B/SA234WPB	0.344"	--	FIG UW-16.1 (C)	HEAD
LIQUID OUT	1	1"	TOL	SA105N	CL 6000	--	FIG UW-16.1 (A)	SHELL
LEVEL GAUGE	2	0.75"	TOL	SA105N	CL 6000	--	FIG UW-16.1 (A)	SHELL
LC/INSP, LC, LSHH	3	2"	TOL	SA105N	CL 6000	--	FIG UW-16.1 (A)	SHELL
DP	1	0.5"	TOL	SA350-LF2	CL 6000	--	FIG UW-16.1 (A)	SHELL
SERVICE/INSP	1	18"	RFWN CL 300	SA105N/SA106B	0.938"	SA-516-70N	FIG UW-16.1 (C)	HEAD

11. Supports: Skirt YES Lugs 2 Legs N/A Other N/A Attached HEADS WELDED
 (Yes or No) (No.) (No.) (Describe) (Where and how)
 12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report: NONE
 (Name of part, item number, Mfr's name and identifying stamp)

SERVICE: SWEET OR CORROSIVE GAS PSV ON PIPE AS PER UG-125
CONST. DRAWING NO.: V050753C REV 1 RADIOGRAPHY: *FULL PER UW-11(A)
TESTING: NO CHARPY IMPACT TEST REQUIRED PER UG-20(F) 1 THROUGH 5 CUBIC CAPACITY: 34.4 CUBIC FEET

CERTIFICATE OF SHOP/FIELD COMPLIANCE.
 We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 30961 expires APRIL 15, 2008.
 Date 1st Nov, 05 Co. name Enerflex Systems Ltd., EFX Compression Signed [Signature]
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION
 Vessel constructed by Enerflex Systems Ltd, EFX Compression at CALGARY, ALBERTA, CANADA
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ALBERTA and employed by ABSA have inspected the component described in this Manufacturer's Data Report on 1 NOVEMBER, 20 05, and state that, to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date NOV 21 2005 Signed [Signature] Commissions # 213-A ALBERTA
 (Authorized Inspector) (Nat'l Board. (incl. endorsements) State, Prov. and No.)

Flex Compression

U

W
RT-1
HT

350

-20

050753-03

R8623.231

0.500

0.4375

250

350

2005

0.125

516-70N

516-70N

(A) 5 4 4 8 0 4

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

A 545139

1. Manufactured and certified by ENERFLEX SYSTEMS LTD., EFX COMPRESSION, 4700 47 STREET SE CALGARY, AB T2B 3R1
 (Name and address of Manufacturer)
 Manufactured for JIRO ENERFLEX, 5221-46TH STREET, P.O. BOX 1450 STETTLE, AB TOC 2L0 ACCOUNT 14675
 (Name and address of Purchaser)

3. Location of installation JIRO STOCK
 (Name and address)

4. Type INLET VESSEL 050763-08 R8623.231 CDL-2004-15 REV 2 2005
 (Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 2004
 Year

6. Shell: Addenda (Date) SA-516-70N 0.500" Code Case Nos. 0.125" Special Service per UG 120(d) 2' 5" 6' 4"
 Matl. (Spec. No., Grade) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: TYPE 1 FULL 100 1150 1.50 TYPE 1 FULL*100 1
 Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (°F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, EFF %, or Full) No. of Courses

8. Heads: (a) Matl. SA-516-70N (b) Matl. SA-516-70N
 (Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	TOP	0.4375"	0.125"	--	--	2:1	--	--	--	CONCAVE
(b)	BOTTOM	0.4375"	0.125"	--	--	2:1	--	--	--	CONCAVE

If removable, bolts used (describe other fastenings) SA193-B7M; 1.25" X 8.25'; 24
 (Matl., Spec. No., Gr., Size, No.)

9. MAWP 350 N/A psi at max. temp. 250 N/A °F
 (internal) (external) (internal) (external)
 Min. design metal temp. -20 °F at 350 psi. Hydro., pneu., or comb. T est pressure HYDRO AT 455 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
OIL/GAS INLET	1	6"	RFWN CL 300	SA105N/SA333-6	0.719"	--	FIG UW-16.1 (C)	SHELL
GAS OUTLET	1	6"	RFWN CL 300	SA105N/SA106B	0.719"	--	FIG UW-16.1 (C)	SHELL
OIL OUTLET	1	2"	RFWN CL 300	SA105N/SA106B/SA234WPB	0.344"	--	FIG UW-16.1 (C)	SHELL
¹ SP, ² SC	2	0.5"	TOL	¹ SA350LF2, ² SA105N	CL 6000	--	FIG UW-16.1 (A)	SHELL
PURGE	1	1"	TOL	SA105N	CL 6000	--	FIG UW-16.1 (A)	SHELL
LEVEL GAUGE	1	0.75"	TOL	SA105N	CL 6000	--	FIG UW-16.1 (A)	SHELL
FILL, INSP OPEN, LSSL	3	2"	TOL	SA105N	CL 6000	--	FIG UW-16.1 (A)	SHELL
LEVEL GAUGE	1	0.75"	TOL	SA105N	CL 6000	--	FIG UW-16.1 (A)	SHELL
DRAIN	1	2"	CPLG CL 6000	SA105N/SA106B/SA234WPB	0.344"	--	FIG UW-16.1 (C)	HEAD
SERVICE/INSP	1	18"	RFWN CL 300	SA105N/SA106B	0.938"	SA-516-70N	FIG UW-16.1 (C)	HEAD

11. Supports: Skirt YES Lugs 2 Legs N/A Other N/A Attached HEADS WELDED
 (Yes or No) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
NONE
 (Name of part, item number, Mfg's name and identifying stamp)

SERVICE: SWEET OR CORROSIVE GAS PSV ON PIPE AS PER UG-125
 CONST. DRAWING NO.: V050763H REV 1 RADIOGRAPHY: *FULL PER UW-11(A)
 TESTING: NO CHARPY IMPACT TEST REQUIRED PER UG-20(F) 1 THROUGH 5 CUBIC CAPACITY: 34.4 CUBIC FEET

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 30961 expires APRIL 15, 2008
 Date 13th Dec 05 Co. name Enerflex Systems Ltd., EFX Compression Signed _____
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Enerflex Systems Ltd, EFX Compression at CALGARY, ALBERTA, CANADA
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ALBERTA and employed by ABSA have inspected the component described in this Manufacturer's Data Report on 14 DECEMBER, 2005, and state that, to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date DEC 14 2005 Signed _____ Commissions #213-A
 (Authorized Inspector) (Nat'l Board. (incl. jurisdiction, State, Prov. and No.))

U

W

RT-1

HT

350

-20

050763-08

R8623.231

0.500

0.4375

250

350

2005

0.125

516-70N

516-70N

(A) 5 4 5 1 3 9

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by AXH air-coolers, LLC, 401 E. Lowry Road, Claremore, Oklahoma 74017
 (Name and address of manufacturer)

2. Manufactured for ENERFLEX JIRO 5221 - 46TH STREET STETTTLER, ALBERTA, CANADA T0C 2L0
 (Name and address of purchaser)

3. Location of installation UNKNOWN
 (Name and address)

4. Type: HORIZ.H.EXCHANGER 54531D.4 R2628.213 54531 AC R0 1244 2005
 (Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 2004
 Year

to NONE
 Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: TUBE&PLUG SA-516 70 FR 7/8", BK 7/8" 1250 FR 6 9/16", BK 6 9/16" 2' 8 1/8"
 Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: CORNER JOINT SEE REMARKS 1.0 1150 1 SEE REMARKS *2
 Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (°F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Matl. WRAPPERS: SA-516 70 (b) Matl. ENDS: SA-516 70
 (Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	WRAPPERS	5/8"	.1250						**	FLAT
(b)	ENDS	1/2"	.1250						***	FLAT

If removable, bolts used (describe other fastenings) _____
 (Matl., Spec. No., Gr., Size, No.)

9. MAWP 350 psi at max. temp. 250 °F
 Min. design metal temp. -20 °F at 350 psi. Hydro. ~~test~~ test pressure 455 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
INLET/OUTLET	2	6"	PIPE	SA-106 B	S/80	NONE	UW-16(a)	HEADER
INSTRUMENT	1	1"	CPLG	SA-105	6000#	NONE	UW-16(a)	HEADER
PLUGS	164	3/4-16	UNF 3A	SA-105				HEADER

11. Supports: Skirt NO Lugs NO Legs NO Other STRUCTURE Attached BOLTED
 (Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: _____

(Name of part, item number, Mfg's name and identifying stamp)

*2 HEADERS ONE AT EACH END. **WRAPPERS FLAT DIAMETER 5 5/8" X 32 1/8". ***ENDS FLAT DIAMETER 5 5/8" X 5 5/16".
82 TUBES SA-179 STL 5/8" O.D. .065 MW 11' LG. CONSTRUCTED IN ACCORD. W/ APPENDIX 28. IMPACTS EXEMPT PER UG 20(f).
PRESSURE RELIEF DEVICE BY OTHERS. X-RAYS PER CUSTOMER SPECS. ENERFLEX TAG NO.: 400HP STOCK. HDR VOL.: 923 CU.IN.

CERTIFICATE OF SHOP / FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 34,950 expires 2/07/2008

Date 12/1/05 Co. Name AXH air-coolers, LLC Signed [Signature]
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed by AXH air-coolers, LLC at 401 E. Lowry Road, Claremore, Oklahoma 74017

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of OKLAHOMA and employed by SENECA INSURANCE COMPANY OF TEXAS have inspected the component described in this Manufacturer's Data Report on 11/16/05, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 12/1/05 Signed [Signature] Commissions 11B 12997A OK 939
 (Authorized Inspector) (Nat'l Board, (incl. endorsements) State, Prov. and No.)

CERTIFIED BY AXH air-coolers, LLC
 CLAREMORE, OKLAHOMA

W 54531D EJW

MAX. DESIGN PRESSURE 14 PSI @ 300 °F
 MAX. DESIGN PRESSURE PSI @ °F
 MIN. DESIGN METAL TEMP. -20 °F @ 14 PSI

SER. NO. 54531D.1 CRN.
 YEAR 2005 HYDRO. 75 PSIG SERVICE

CERTIFIED BY AXH air-coolers, LLC
 CLAREMORE, OKLAHOMA

W 54531D AUX-W

MAX. DESIGN PRESSURE 14 PSI @ 300 °F
 MAX. DESIGN PRESSURE PSI @ °F
 MIN. DESIGN METAL TEMP. -20 °F @ 14 PSI

SER. NO. 54531D.2 CRN.
 YEAR 2005 HYDRO. 75 PSIG SERVICE

CERTIFIED BY AXH air-coolers, LLC
 CLAREMORE, OKLAHOMA

W 54531D CLOW

MAX. DESIGN PRESSURE 14 PSI @ 300 °F
 MAX. DESIGN PRESSURE PSI @ °F
 MIN. DESIGN METAL TEMP. -20 °F @ 14 PSI

SER. NO. 54531D.3 CRN.
 YEAR 2005 HYDRO. 75 PSIG SERVICE

CERTIFIED BY AXH air-coolers, LLC
 CLAREMORE, OKLAHOMA

W HT 54531D AC

MAX. ALLOWABLE WORKING PRESSURE 350 PSI @ 250 °F
 MIN. DESIGN METAL TEMP. -20 °F @ 350 PSI

SER. NO. 54531D.4 CRN. R2628.213
 YEAR 2005 HYDRO. 455 PSIG SERVICE

RECEIVED
104-04-06

FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by VIEX Inc. 1201 Nicholson Road, Newmarket, Ontario, Canada, L3Y 9C3
(Name and address of Manufacturer)
2. Manufactured for Jiro Enerflex Systems Ltd., 5221-46th Street, Stettler, Alberta, Canada, T0C 2L0
(Name and address of purchaser)
3. Location of installation Unknown, Canada
(Name and address)
4. Type Vertical VXN46 Plate & Frame Heat Exchanger 270916.109/110
(Horiz, vert, or sphere) (Tank, separator, jkt. vessel, heat exh., etc.) (Mfg's serial No.)
R5688.213 VXN46-G-400 Rev 0 2005
(CRN) (Drawing No.) (Nat'l Bd. No.) (Year built)
5. ASME Code, Section VIII, Division 1 2004 None No
(Edition and Addenda (date)) (Code Case No.) (Special Service per UG-120(d))

Items 6 - 11 incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchangers, or chamber of multichamber vessels

6. Shell: (a) No. of course(s): -- (b) Overall length (ft & in.): 3' - 0.6875"

Course(s)			Material		Thickness		Long. Joint (Cal.A)			Circum. Joint (Cal. A,B,&C)			Heat Treatment	
No	Diameter, in	Length (ft & in.)	Spec./Grade or Type	Nom	Corr	Type	Full, Spot, None	Eff	Type	Full, Spot, None	Eff	Temp	Time	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	

7. Heads: (a) SA516 Gr 70 H.T.-No (b) SA516 Gr 70 H.T.-No
(Mat'l Spec. No., Grade or Type) (H.T. - Time & Temp) (Mat'l Spec. No., Grade or Type) (H.T. - Time & Temp)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff
(a)	Fixed Head	3.5"	--	--	--	--	--	--	19.75X83.5	--	--	--	--	--
(b)	Mobile Head	2.5"	--	--	--	--	--	--	19.75X82.5	--	--	--	--	--

If removable, bolts used (describe other fastenings) (16) Tie Rods SA193 Gr B7 / Hex Nuts SA194 Gr 2H (1 1/4"-8UNC)
(Mat'l, Spec No., Grade, Size, No.)

8. Type of jacket n/a Jacket closure n/a
(Describe as ogee & weld, bar, etc.)

If bar, give dimensions n/a If bolted, describe or sketch.

9. MAWP 350 none psi at max. temp. 250 n/a °F Min. design metal temp. -20 °F at 350 psi.
(internal) (external) (internal) (external)

10. Impact test No (Impact Test Exemption Per UCS-66(a)) at test temperature of n/a °F.
(Indicate yes or no and the component(s) impact tested)

11. Hydro test press. 455 psig Proof test n/a

Items 12 and 13 to be completed for tube sections.

12. Tubesheet: -- -- -- -- --
(Stationary (Mat'l Spec.No.)) (Dia, in. (subject to press)) (Nom. thk, in.) (Corr.Allow.,in.) (Attachment (welded or bolted))
-- -- -- -- --
(Floating (Mat'l Spec.No.)) (Dia.,in.) (Nom. thk., in.) (Corr.Allow.in.) (Attachment)

13. Tubes: -- -- -- -- --
(mat'l Spec. No., Grade or Type) (O.D., in.) (Nom.thk, in. or gauge) (Number) (Type (Straight or U))

Items 14 - 18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

14. Shell (a) No. of course(s): -- (b) Overall length (ft & in.): --

Course(s)			Material		Thickness		Long. Joint (Cal.A)			Circum. Joint (Cal. A,B,&C)			Heat Treatment	
No	Diameter, in	Length (ft & in.)	Spec./Grade or Type	Nom	Corr	Type	Full, Spot, None	Eff	Type	Full, Spot, None	Eff	Temp	Time	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	

15. Heads: (a) -- (b) --
(Mat'l Spec. No., Grade or Type) (H.T. - Time & Temp) (Mat'l Spec. No., Grade or Type) (H.T. - Time & Temp)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

If removable, bolts used (describe other fastenings) --
(Mat'l, Spec No., Grade, Size, No.)

FORM U-1 (Back)

16. MAWP 350 -- psi at max. temp. 250 -- °F. Min. design metal temp. -20 °F at 350 psi.
(internal) (external) (internal) (external)

17. Impact test No (Impact Test Exemption Per UCS-66(a)) at test temperature of -- °F.
(Indicate yes or no and the component(s) impact tested)

18. Hydro test press. 455 psig Proof test --

19. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
Hot Side Inlet	F4	3"-300#	studded	--	SA516-70	--	--	--	--	integral	--
Hot Side Outlet	F1	3"-300#	studded	--	SA516-70	--	--	--	--	integral	--
Cold Side Inlet	F2	3"-300#	studded	--	SA516-70	--	--	--	--	integral	--
Cold Side Outlet	F3	3"-300#	studded	--	SA516-70	--	--	--	--	integral	--

20. Supports: Skirt No Lugs No Legs No Others Feet Attached Bolted to fixed head/end post
(Yes or No) (No.) (No.) (Describe) (Where and how)

21. Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: (List the name of part, item number, mfg's. name and identifying number)
--
--

22. Remarks: (1) This heat exchanger consists of 49 gasketed heat transfer plates which are clamped between fixed & mobile heads by tie rods.
 (2) Heat transfer plate material - 390mm x 1426mm SA240 304 (3) Heating surface is 232.7 sq.ft. (4) Inspection openings are not applicable (5) Safety relief devices per UG-125 are the responsibility of the user. (6) Volume per circuit is 12.94 US gal.
 (7) Both circuits have same design conditions.

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

U Certificate of Authorization No. 32.742 Expires Aug 17, 2007
 Date 11/18/05 Name VIEX Inc. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and / or the State or Province of Ontario and employed by TSSA of Ontario have inspected the pressure vessel described in this Manufacturer's Data Report on NOV. 18, 2005, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 18.11.2005 Signed [Signature] Commissions AWT-037
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Province and No.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1. U Certificate of Authorization No. _____ Expires _____

Date _____ Name _____ Signed _____
(Assembler) (Representative)

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of _____ and employed by _____ of _____, have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with the ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test of _____ psi. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date _____ Signed _____ Commissions _____
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Province and No.)

SHUTDOWNS

- SUCTION GAUGE WITH HIGH/LOW SUCTION PRESSURE SWITCHES
 - SET @ 1 PSIG FALLING AND 80 PSIG RISING
- DISCHARGE GAUGE WITH HIGH DISCHARGE PRESSURE SWITCH
 - SET @ 235 PSIG RISING
- HIGH COMPRESSOR DISCHARGE TEMPERATURE SWITCH
 - SET @ 230°F RISING
- HIGH COMPRESSOR OIL TEMPERATURE
 - SET @ 170°F RISING
- LOW COMPRESSOR DIFFERENTIAL
 - SET @ 25 PSIG FALLING WITH PUMP -SET @ 75 PSI FALLING WITHOUT PUMP
- HIGH COMPRESSOR OIL FILTER DIFFERENTIAL GAUGE
 - SET @ 15 PSIG RISING
- LOW ENGINE OIL PRESSURE SWITCH GAUGE
 - SET @ 30 PSIG FALLING
- HIGH ENGINE JACKET WATER TEMPERATURE SWITCH
 - SET @ 220°F RISING
- HIGH RPM
 - SET @ 1900 RPM
- COALESCING FILTER DIFFERENTIAL GAUGE
 - SET @ 20 PSIG RISING
- HIGH ENGINE OIL TEMPERATURE
 - SET @ 205°F RISING
- HIGH EXHAUST TEMPERATURE
 - SET @ 1200°F RISING
- HIGH AIR INTAKE TEMP
 - SET @ 150°F RISING
- SALES GAS TEMPERATURE
 - SET @ 113°F RISING
- HOUR METER
- LOW ENGINE COOLANT LEVEL SWITCH
- LOW ENGINE OIL LEVEL SWITCH
- HIGH VIBRATION SAFETY SWITCH
- HIGH SUCTION SCRUBBER LIQUID LEVEL SWITCH
- OUTSIDE MOUNT ESD BUTTON
- LOW COMPRESSOR OIL LEVEL SWITCH

Equipment of comparable specifications may be substituted at manufacturer's discretion