

**C-1  
GAS COMPRESSOR**

FRICK: TD5H-233S-HW  
OPERATING SPEED: 1800 RPM  
SUCTION PRESSURE: 30 PSIG  
DISCHARGE PRESSURE: 150 PSIG  
DISPLACEMENT: 512.8 ACFM @ 100%  
OIL TEMPERATURE: 160 DEG.F  
DESIGN OIL FLOW RATE: 50.5 GPM (MAX.)  
POWER DRAW: 193 BHP  
WEIGHT: 2435 LBS.

**F-1  
OIL FILTER**

SIZE: 8.6" O.D. X 27.5" S/F  
MAWP: 400 PSIG @ 250 DEG.F  
MDMT: -20 DEG.F @ 400 PSIG  
CA: 0.0625"  
SHELL MATERIAL: SA-106B  
HEAD MATERIAL: SA-234-WPB  
ELEMENT: (1) MODEL 1833C  
WEIGHT: 286 LBS.

**V-2  
OIL SEPARATOR**

SIZE: 20" O.D. X 90" S/F  
MAWP: 375 PSIG @ 250 DEG.F  
MDMT: -20 DEG.F @ 375 PSIG  
CA: 0.0625"  
SHELL MATERIAL: SA-106B  
HEAD MATERIAL: SA-516-70  
ELEMENT: (1) RSC18321  
WEIGHT: 2225 LBS.

**E-1  
OIL COOLER**

MODEL: VIEX VX-20-FN1-75  
PLATES: 29  
MAWP OIL SIDE: 375 PSIG @ 250 DEG.F  
MAWP GLYCOL SIDE: 375 PSIG @ 250 DEG.F  
DESIGN DUTY: 342249 BTU/HR  
SURFACE AREA: 58.10 SQ.FT  
WEIGHT: 755 LBS.

The diagram illustrates the interconnections between these units. Key features include:

- Gas Outlet:** 4"-HG-E2-1-C31 leading from C-1 to Sheet 3.
- Relief Header:** 2"-HG-RELIEF-1 connecting to C-1 and Sheet 1.
- Oil Separator (V-2):** Features a blowcase connection, optional PI/TI, and liquid level controls (LSLL, LALL).
- Oil Cooler (E-1):** Includes glycol side temperature control (TE 201, TSHH 201) and oil side flow control (FO 205, LCS1).
- Instruments:** Various pressure switches (PISHH, PISLL, PISLH), temperature sensors (TE 201, TE 209), and differential pressure indicators (PDISHA, PDISLL).
- Piping:** Detailed with sizes (e.g., 6"-300#, 4"-300#) and materials (HG, CC, BCN).
- Control Points:** Labeled A through H, indicating specific process parameters or safety points.

|      |                              |           |    |       |  |
|------|------------------------------|-----------|----|-------|--|
|      |                              |           |    |       |  |
| 5    | CHANGED COMP. TO FRICK 233S  | MAY 17/04 | DB |       |  |
| 4    | AS BUILT                     | FEB 7/03  | TM | RC    |  |
| 3    | MODIFIED F-1 PIPING AS NOTED | JAN 31/03 | GS | RC    |  |
| 2    | REVISED AS NOTED             | JAN 23/03 | SS | RC    |  |
| 1    | ISSUED FOR CONSTRUCTION      | JAN 9/03  | SS | RC    |  |
| REV. | DESCRIPTION                  | DATE      | BY | APPR. |  |

ENGINEER STAMP



|                           |                      |
|---------------------------|----------------------|
| DRAWN BY:<br>S. SWALE     | DATE:<br>JAN 7/03    |
| CHKD. BY:<br>R. CALBUREAN | SCALE:<br>N/A        |
| APPR. BY:<br>R. CALBUREAN | W.O. No:<br>11005101 |

|                        |                     |           |
|------------------------|---------------------|-----------|
| DWG<br>No: 11005-101RS | SHEET No:<br>2 OF 4 | REV:<br>5 |
|------------------------|---------------------|-----------|