

FRAC SEPARATOR
UNIT: FS051
PERFORMANCE

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|--|---|
| Maximum Operating Pressure (limited to PSV set pressure) | 1,350 psi (9,308 kPa) |
| Minimum/Maximum Rated Operating Temperature of Vessel | -50°F/212°F (-46°C/100°C) |
| Liquid Storage Capacity | 91.65 bbl (14.57 m ³) |
| Maximum Gas Flow Rate @ 90% Maximum pressure | 160 MMscfd (4,520 e ³ m ³ /d) |
| Maximum Liquid Rate (operating ½ full) | 8,000 bbl/day (1,272 m ³ /day) |
| Liquid Retention Time at maximum flow rate | 3 minutes |
| Flometer max Gas Flow rate @ 90% Maximum pressure | 20 MMscfd (565 e ³ m ³ /d) |
| Pressure Relief Valves Max Flow Rate | 108 MMscfd (3,048 e ³ m ³ /d) |
| System Maximum Gas Rate (limited by PSV) | 20 MMscfd (565 e ³ m ³ /d) |

VESSEL DIMENSIONS

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|------------|------------------|
| Diameter | 60" (1,524 mm) |
| Length S/S | 24'-6" (7.480 m) |

FLUID TRANSFER SIZE & PRESSURE RATING

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|---------------------------|------------------------|
| Inlet size | 6" (152.4 mm) |
| Inlet pressure rating | 1,350 psig (9,308 kPa) |
| Gas Outlet | 6" (152.4 mm) |
| Oil Outlet size | 3" (76.2 mm) |
| Water outlet size | 3" (76.2 mm) |
| Outlet's pressure ratings | 1,350 psig (9,308 kPa) |

FLOW INSTRUMENTATION

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|-----------------------|---------------------------------|
| Gas Meter | 6" (152 mm) 600# Senior Daniels |
| Back Pressure | 4" Control Valve |
| Dump Valve | 2" |
| Differential Recorder | |

SHIPPING DIMENSIONS

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|-----------------|------------------|
| Width | 8'-6" (2.59 m) |
| Length | 42' (12.8 m) |
| Height | 10' (3.05 m) |
| Weight Estimate | TBC lbs (TBC kg) |

CERTIFICATION

| | |
|-----------------------------|-----------------------|
| Vessel | ASME Sec. VIII Div. 1 |
| Piping | ASME B31.3 |
| Province(s) of Registration | BC, AB, SK |
| Sour Service NACE Standard | MR0175/ISO15156-1 |

