



DRAGON

38 Million BTU Frac Water Heater Unit



SPECIFICATIONS:

- WATER FLOW:**
- 700 GPM @ 70 psi inlet pressure (nom)
 - 500 GPM @ 50 psi inlet pressure (nom)
 - 350 GPM @ 30 psi inlet pressure (nom)
- TEMPERATURE RISE:**
- 70° F @ 700 GPM (nom)
- FUEL RATE:**
- 4 GPM, 240 GPH @ full fire (nom)
- DIMENSIONS:**
- 53' long, 8'-6" wide, 13' high, 66,000 lbs (nom, dry heat exchanger)
- TYPE:**
- Diesel fired, dual burner, trailer mounted self contained system
 - Dual fuel burners available, operates on Diesel or Natural Gas (optional)



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frac.sales@modernusa.com • www.dragonproductsltd.com • 866-914-8198

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Type: 38 Million BTU Frac Water Heater

BURNER:

- Dual burner package, **NFPA** combustion system, 19 million BTU per hour per burner
- Pressurized fuel with low pressure air systems for atomization
- Blower system for positive combustion air
- LP fired pilot with spark ignition
- Digital burner controls with programmable water temperature and burner fire rates
- Safety shutdowns

HEAT EXCHANGER:

- 2"– SA106 GR B, SCH 40 pipe
- Multi core, multi pass, low pressure design
- Inlet and outlet manifolds within burner chamber
- 6 x 5 hydraulic drive centrifugal water charge pump
- Multiple 4" suction and discharge connections at rear of trailer

BURNER CHAMBER:

- 1/4" steel plate construction
- Removable top with air operated hinged covers
- 5" - 7" Ceramic fiber block insulation rated at 2300° on all surfaces. 2" on chamber lid

FUEL TANK:

- 2700 gal aluminum fuel tank
- Top fill and lower pressure fill connections
- Top manway, pressure relief valve, level gauge
- Air operated vent valve, air operated fuel supply valve to burner
- Manual fuel supply valve to deck engine
- Heated and insulated tank bottom shell

ENGINE:

- John Deere engine with jacket water heater and aluminum enclosure

HYDRAULIC SYSTEM:

- 300 gal hydraulic tank
- 4 Pump system with 2 oil coolers, valves and controls
- System operates, water charge pump, combustion blower, fuel pump, air compressor

AIR COMPRESSOR:

- Rotary screw air compressor system with reservoir tanks, moisture separator, and aluminum enclosure

TRAILER:

- High strength drop deck frame
- 3 Axle with air ride suspension, lift on rear axle
- ABS brake system, led lights

