



**COST EFFECTIVE AND SIMPLE TO OPERATE;
PROVIDES PROVEN, RELIABLE CONTROL ACCURACY**

Single Stream and Multi-Stream Blenders

Biofuel Blender

The Micro-Blend System utilizes two product streams. The monitored stream is referred to as the Wild Stream™, and the controlled stream is referred to as the Blend Stream. The Micro-blend controller monitors the Wild Stream™ and controls the Blend Stream to the programmed blend ratio. Using communications, the system lets you change the blend ratio from your automation system to produce the range of fuels in demand today - B2 to B20.

Features

- Horizontal and Vertical system designs
- Blend Stream magnetic pulse output
- Wild Stream™ and Blend Stream product totals
- User-definable alarm conditions
- Smith (Type I), Brooks (Type II) and Modbus (Type IV) -Protocol
- Infrared hand-held controller
- EIA 485 (2-wire) communications at 200/2400/9600/19,200 baud
- Backlit LCD with 2 lines by 14 characters
- Internal watchdog low power protection
- 4 levels of password security (8 users definable)
- Built-in proving preset

Proven Applications

- Biodiesel Blending (B2-B20)
- Ethanol Blending
- Oxygenate Blending
- Mid-grade Blending
- Marine Oil Blending
- Analytical Blending
- Asphalt Blending
- Water based and solvent based blending
- 1 GPM - 3000 GPM

Electrical Inputs

- AC Instrument Power: 120/240 VAC +/- 15%, 48 to 63Hz., 1.0A maximum or 240

Find out more

For more information...

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- VAC +/- 15%, 48 to 63 Hz
- Current Consumption: <50 mA. @ 120 VAC/<25 mA @ 240 VAC
- AC circuitry is fuse protected (Does not include inputs or outputs)
- Surge current 10A maximum for less than 0.1seconds
- One (1) Optically isolated, AC solid state triac input (permissive input)
- Load voltage range: 90 to 280 VAC , 48 to 63 Hz.
- Steady state load current range: 0.05A (rms) minimum to 5A (rms) maximum into an inductive load
- Leakage Current @ Maximum Current rating: 100 microamps maximum @ 240 VAC
- Duty Cycle: 40/60 to 60/40 (on/off)

Pulse Input

(Pulses per Gallon / Liter / etc.)

- Type: DC
- Maximum Pulse Rate: 5 KHz
- Minimum 10 pulses per unit

Electrical Outputs

- Three (3) Optically isolated, AC solid state triac outputs (2 used for digital valve control - 1 for alarm output)
- Load voltage range: 90 to 280 VAC , 48 to 63 Hz.
- Steady state load current range: 0.05A (rms) minimum to 5A (rms) maximum into an inductive load
- Leakage Current @ Maximum Current rating: 100 microamps maximum @ 240 VAC

- Duty Cycle: 40/60 to 60/40 (on/off)

Pulse Output

- Open Collector Transistor
- 1, 1/10th, 1/100th, 1/1000th unit volume, or unfactored pulse output available

Display

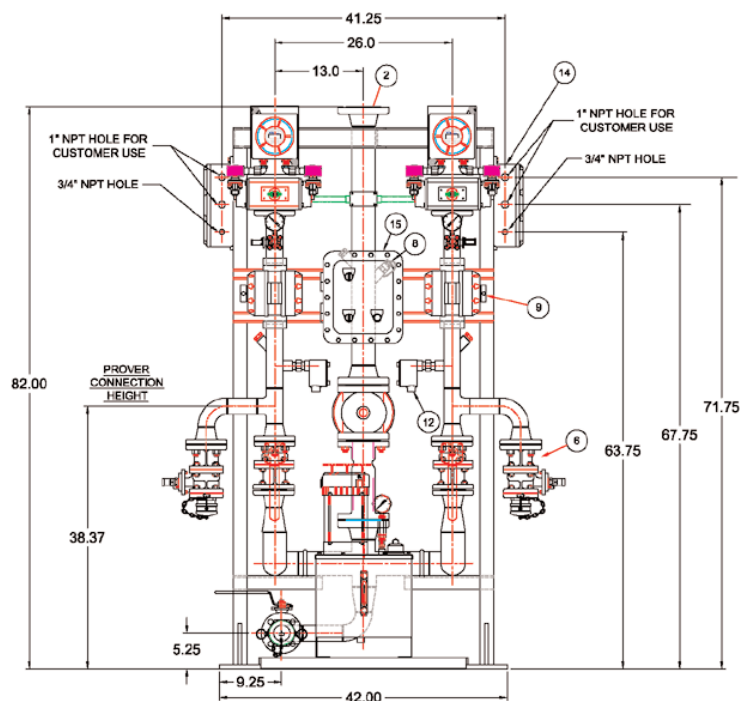
- Module Format: 2 Line by 14 position display
- Type: Liquid Crystal Display Backlit
- Character Format: 5 by 7 dot matrix type

Environmental

- Ambient Operating Range: -40°F to 150°F (Display may appear slow at temperatures below 0°F)
- Humidity: 5 to 95% without condensation

Communications

- General Configuration: Multidrop Network. 32 Micro-Blend™ Systems may be connected to the same host
- Data Rates: 1200/2400/9600/19,200 Baud rates supported
- Data Format: 8 data bits/No parity/1 stop bit
- Type: Interfaceable with EIA-485 (2-wire) data



FRONT VIEW

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