Kraus Fleet Series CNG Dispenser

The **Kraus Fleet Series** dispenser sets the industry standard for reliability, durability, and safety. Kraus continues to raise the bar by providing customers a lower cost alternative while delivering the continued performance expected from a dispenser built by Kraus. Featuring the industry leading **MICON™ 500 CNG** controller at the heart of its system, the **Kraus Fleet Series** dispenser is ideal for both commercial and retail CNG fueling applications.

- **Flexibility** - **The Fleet Series** dispenser is designed to be used in fleet, private, and retail locations all while providing a full range of flow rate designs and inlet configurations. This provides scalability to use the **Fleet Series** dispenser in light duty applications right through to full flow trucking & transit applications. Our ability to customize solutions to suit our customers' unique and changing needs is a recognized strength of ours within the industry.

- **Connectivity** -**The Fleet Series** dispenser provides simplified connections to all industry accepted external FMS/POS systems via a range of communications protocols. The optional Modbus communications package provides detailed real-time fill information to the station side electronics, allowing for enhanced monitoring and analysis of each transaction.

- **Hazardous Locations** - **The Fleet Series** dispenser utilizes a full Class 1, Division 1, Group D design via flameproof and intrinsically safe protections methods.

- **Control** - Featuring the industry leading MICON™ 500 CNG controller, the **Kraus Fleet Series** dispenser includes configurable set points providing you with greater control to optimize the dispenser to suit your specific filling needs.

- **Safety** - The MICON™ 500 CNG controller features full temperature compensated fills for both hot and cold weather, adapting to its installation conditions while accounting for heat of compression during the fill process.

- **Reliability** - Kraus prides itself on creating solutions to adapt to your station goals. We have the experience and know how to evaluate the entire station design, point out challenges, and create dispensing solutions to help you maximize your station output and efficiency.

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CNGF01.ART.R00

Fleet Series CNG Dispenser

SPECIFICATIONS

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STANDARD FEATURES:
Single and Dual hose configurations with Dual Front option available
Filling Protocol: Temperature compensated to 70°F (21°C); smart filling to compensate for Heat of Compression
Target Filling Pressure: 3,600 psi standard (3,000 psi, split pressure and other options available)
Maximum Allowable Working Pressure: All system components rated for a minimum 5,000 psi MAWP
Maximum recommended inlet pressure: 4,300 psi
Flow Rates: 1,000 SCFM, 2,000 SCFM, 3,500 SCFM, 4,500 SCFM, and Split Flow options available
Inlet Lines: Options for 1 per dispenser (buffer filling), 1 per hose, 2-bank sequencing, 3-bank sequencing; custom inlet options also available
Metering: Coriolis Mass Flow Technology; Accuracy of +/- 1%
Primary Display: Three line display of Total Sale, Total Volume/Mass, and Price per Unit located on a large, backlit LCD display for easy viewing
Coalescing Filters provided, one per inlet line; installed in dispenser or provided loose for remote monitoring depending on configuration
Start/Stop lever handle located on nozzle holster
Rated hose assemblies, electrically conductive, with in-line breakaways
Class I, Div. I Group D design via explosion proof and Intrinsically Safe protection methods

COMPUTING AND CONTROLS:
MICON TM 500C Controller with ability for internal or remote flow-rate based sequencing
Communication Interfaces: 2-wire or pulse connection to external FMS
Compatibility with industry leading POS/FMS/PLC devices via multiple communication interfaces
Available Modbus Communications package for connection to station PLC
NTEP and Measurement Canada certified register
MECHANICAL CONTROLS AND VALVES:
Internal Piping & Connections available in sizes ranging from 1/4" up to 1"
Tubing and Fittings: All process tubing in SS with double ferrule compression fittings
Control Valves: High flow Electronic Solenoid Valves or Full Port Actuated Ball Valves
Pressure Gauges: One panel mounted liquid filled pressure gauge installed per hose
High Pressure Check Valves installed between sequencing valves
One ASME rated Pressure Relief Valve installed per hose
PRV set to: 4,500 psi for 3,600 psi target fills/3,750 psi for 3,000 psi target fills
1" vent line, piped to top or bottom of dispenser with easy bulkhead connection

AVAILABLE OPTIONS:
NGV1 & NGV2 nozzle options
REGULATORY:
NTEP Certificate of Conformance
MC (Measurement Canada)
NRTL Certification Pending
Built to: NFPA 70, ASME B31.3, NFPA52
VOLTAGE:
120 VAC standard, 220/240 VAC available
Amperage: 5 to 10 Amps depending on options
Single Phase
60 Hz, 50 Hz available
+/- 10% Tolerence
DIMENSIONS:
Height: 84"
Width: 36"
Depth: 22"
Weight: 750 pounds, 340 Kilos
OPERATING ENVIRONMENT:
Ambient Temperature: -40°C to +50°C
Ambient Humidity: 10% to 95%, relative basis
Inlet Gas Temperature: -25°C to +75°C
Water Dew Point CNG: -32°C @ 250 Bar, maximum

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