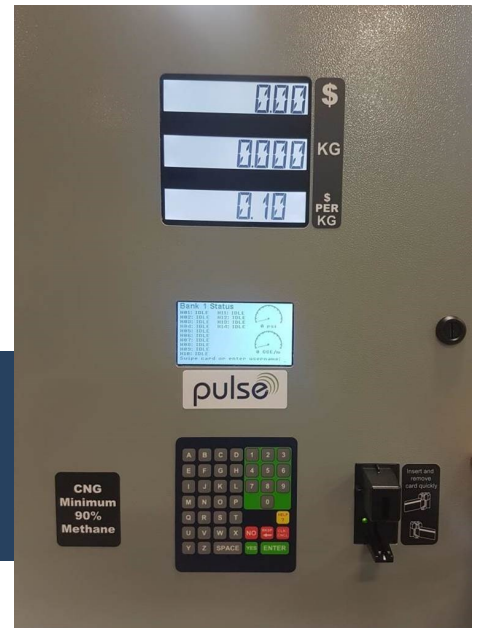




Metered Fill Post System for CNG



Intelligent post control system provides accurate metering for each vehicle hose

Kraus Global has overcome the primary challenge of cost and complexity of a metered fill post solution by streamlining the necessary infrastructure and metering process using the power of the advanced **MICON NEXTGEN 1.0**[®] controller.

The **Metered Fill Post System (MFPS)** consists of a **MICON NEXTGEN Control Panel** which can drive up to four **Bank Control Panels**. Each **Bank Control Panel** includes a remote Coriolis Mass Flow Meter and has the capacity to measure up to 24 individual hoses. Additional bank panels, to a maximum of four per **MICON NEXTGEN Control Panel**, can be added to permit a full 96 hose capacity. This arrangement can be repeated as necessary to accommodate any station size. The **MICON NEXTGEN Control Panel** features a card reader for fleet tracking, a keypad for station management and user access, a three line display showing current hose fill data, and the proprietary **PULSE**[™] display providing critical station information.

System capabilities include enhanced fleet tracking, priority filling control, top-up routine, connection to fuel management systems, and more.

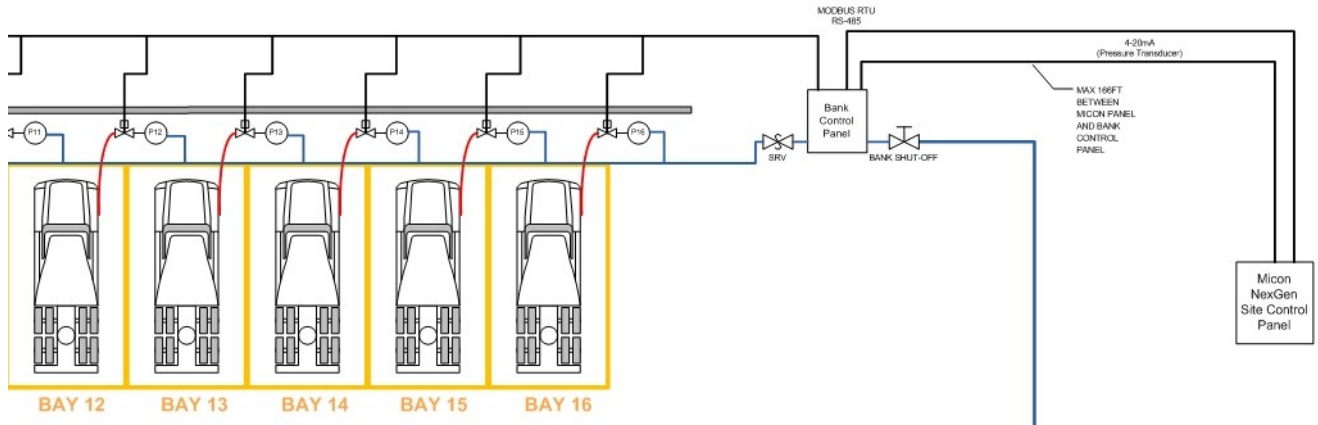
Existing time fill stations can be upgraded into the Kraus Metered CNG Fill Post System by retrofitting existing posts with a Kraus Fill Post Retrofit Kit and integrating the Kraus Control Panels to the site. This upgrade reuses existing compression, storage, and filling infrastructure making the total upgrade cost effective and easy to install.

Features:

- Remote monitoring and data acquisition via Modbus over RTU or TCP/IP
- Each hose individually controlled by solenoid or actuated ball valves on the fill post
- Custom fill cycles to accommodate multiple filling strategies
- Ability to assign hoses for priority filling which adds a fast fill element to a time fill station
- Fleet tracking capabilities with easy setup and individual user and vehicle monitoring via remote console

METERED FILL POST SYSTEM

SPECIFICATIONS



Example: System layout for the **Kraus Metered Fill Post System**

FEATURES:	SPECIFICATIONS:
Electrically conductive main and vent line hoses, up to 20-feet long	Flexible design allows 1 to 4 hoses on the same post, each with retractor
Multiple nozzle options available with integrated on-post holsters	Mix and match standard duty hose alongside larger high flow hose
Includes precision needle vent valve for convenient vent down	Optional on-post filtration with block and bleed drain system
Inlet line isolation shut off via stainless steel ball valve	All process lines are 316 stainless tube with double ferrule stainless compression fittings
Liquid filled pressure gauge	Floor (pedestal), Concrete Tube, Wall or K-Rail mounting options
Optional on-post safety relief valve	Piping system can be sized to suit desired flow rate, ranging from 3/8" to 1" diameter
SAFETY:	Posts can be configured for <i>time fill</i> or <i>fast fill</i> operation
All hose assemblies include main and vent line breakaways	Working pressure up to 5,000 psig. Designed and manufactured to meet ASME standards for pressure bearing components.
Hoses CSA Certified	Standard 1-year warranty on all components
Canadian CRN on piping system available	Fill post assembly is fully welded and powder coated. Ancillary components are either stainless steel or aluminum.

For more information including a system layout, user manual, or overview, please contact us at inquiries@krausglobal.com.



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