



frequently asked
QUESTIONS

MVI69E-AFC Enhanced Flow Computer for CompactLogix™ FAQ

Is this a new product?

The MVI69E-AFC is an enhancement to the MVI69-AFC flow computer for CompactLogix™ controllers. ProSoft Technology has been offering automated flow computers since 1993, making enhancements based on the demands of oil and gas professionals.

What's the difference between the MVI69E-AFC and the MVI69-AFC?

The MVI69E-AFC provides several advantages over the MVI69-AFC, such as:

- 1) Remote configuration and diagnostics via Ethernet (Modbus® TCP/IP)
- 2) Updates to various AGA/API standards used for calculating flow
- 3) Larger Archive structure allows for more flow-related information to be logged in the daily and hourly archives
- 4) Support of Enron Modbus polling for alarm, events, and historical archive data
- 5) Support for transmitter calibration functions, built into the EAFC Manager Software
- 6) Increased the number of supported meters – from 8 to 12 meter runs
- 7) Upgraded Add-On Instruction for Studio 5000 to use less CompactLogix PAC memory than previous units

The new version of the MVI69E-AFC module has all of the same feature upgrades as our MVI56E-AFC ControlLogix® Enhanced Flow Computer module.

If I just need to calculate flow, can I just do this in PLC code?

The module calculates net flow rates of hydrocarbons based on industry standard AGA/API specifications. Sure, this could be done in PLC code with a lot of research and a lot of math equations, but ProSoft's module ensures accuracy by acting as a co-processor to the control system. In addition, it provides a secure audit trail with the ability to build daily and hourly records that are locked in non-volatile memory.

What's the benefit of this solution over a standalone flow computer?

In a traditional multi-well pad site setup, you may require multiple RTUs or stand-alone flow computers. With our solution, depending on the size of your application, you can use a single in-rack flow computer without the need for multiple RTUs. This solution helps you simplify your operation and optimize your resources.

With the in-chassis solution, you can also save on wiring and installation costs by taking advantage of the Rockwell Automation® Remote I/O™ solutions over EtherNet/IP™. Place control cabinets near separators and tank batteries to minimize wiring back to the controller and only provide power and an Ethernet connection.

Is this module certified for custody transfer?

In the United States there is no certifying body for custody transfer. There are third-party agencies that do tests and validation, and ProSoft Technology will be performing additional third-party testing.

What software do I need to set up the flow computer?

The EAFC Manager software is available as a free download on our [website](#). It allows you to set up, configure, and monitor the module.

Do I need a separate license for gas or liquids with this module?

No, every flow computer accounts for gas and liquid licenses. This helps you save money and time, since some companies' hardware only comes with the ability to do gas calculations, with the option to buy a separate liquid license if needed. With our flow computer, all meter runs can be configured to handle gas or liquid to fit your needs.

What if I need more than 12 meter runs (measurement points)?

Since the MVI69E-AFC module is a co-processor in the CompactLogix backplane, if your application requires more meter runs, simply add an additional module to add an additional 12 meter runs. The only limitation will be power supply of the CompactLogix backplane and memory of the controller. The module can operate in Remote I/O CompactLogix racks, as well as extended I/O racks with a second power supply.