

IST-VFC and *MagVFC* Compatibility



IST-VFC

MagVFC

FE Petro released the IST-VFC variable frequency controller in 1996. In June of 2003, FE Petro released an enhanced version of the IST-VFC, the *MagVFC*. The purpose of this bulletin is to provide information regarding compatibility issues between the two models, the obsolescence of the IST-VFC model, and detail FE Petro's actions regarding the changeover to the *MagVFC*.

The new *MagVFC* is fully capable of serial communication with INCON fuel management systems. Starting in February of 2006, the IST-VFC and *MagVFC* models are capable of serial communication between each other. Therefore, **dissimilar models of Variable Frequency Controllers can be used together in applications where communication between the two models is necessary**; for example, if you have an IST-VFC in a Master/Slave or Master/Slave Alternating Circuit configuration and you are replacing any of the units in that configuration, the replaced controller will be a *MagVFC*. Communication will **not** be an issue between the IST-VFC and the *MagVFC*. The *MagVFC* utilizes a compatibility mode switch that allows communication with the IST-VFC. **Only *MagVFC*s with software revision 1.18 or higher will have this feature.** Refer to TB0106-1 for switch setting information.

Another new feature of the *MagVFC* is its ability to run either a 2 or 4 Horsepower variable speed pump motor. The *MagVFC* is able to do this because it has a DIP (Dual Inline Package) switch setting to determine which model Pump Motor Assembly that it's controlling.

FE Petro retired its Intelligent Submersible Turbine Variable Frequency Controller, the IST-VFC, starting in October of 2003. The IST-VFC was replaced by the *MagVFC*. If you are upgrading from an IST-VFC to a new *MagVFC*, be aware that there are slight differences in the physical dimensions of the two models. The outside dimensions of the IST-VFC are 11.5"H x 5"W x 9"D, but the *MagVFC* measures 14.25"H x 5.5"W x 9.5"D.

Please refer to the IST-VFC and *MagVFC* Installation and Owner's Manuals for details on installation and operation of the two models. If you would like to know more about the new features available on the *MagVFC*, please refer to FE Petro Technical Bulletin TB018, which goes into more detail about all of the enhancements that were included in the *MagVFC*. If you would like to know more about the communication switch settings, please refer to Technical Bulletin TB0106-1. In addition, Installation and Owner's manuals, Technical Bulletins, Service Bulletins, and other technical documents are available on our website as well as from our literature department, if you require them.

Please contact Technical Support if we may be of any assistance.