

FRANKLIN AID



Franklin Electric



Franklin Application/Installation Data (AID) ... For The Professional Driller-Installer

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SubDrive 75: YOU made it better!

Franklin Electric has always been pleased to offer you quality, state-of-the-art electronic products for all types of submersible pumping systems, including constant pressure systems. Our in-house electronics engineering team is continually working to make our products perform better, work smarter, and last longer. A key part of their effort is the feedback we receive from you about our products, and as a direct result of your observations, we are pleased to introduce the latest member of the CP Water family, SubDrive 75. We can honestly say YOU made it better.

SubDrive 75 is a variable frequency drive that changes the speed of the pump to satisfy demand in the system. Using a standard $\frac{3}{4}$ Hp pump mounted to a standard Franklin Electric $1\frac{1}{2}$ Hp motor (3-phase, 230V), SubDrive 75 will drive the pump between 1800 and 4800 rpm to maintain constant pressure. An external pressure sensor is used to

monitor the system pressure and provide a means for the installer to change the target pressure setting. Pressure setting options range from 25 to 80 psi.

A SubDrive 75 constant pressure system will provide performance consistent with a $1\frac{1}{2}$ Hp pump curve. If the performance represented by the $1\frac{1}{2}$ Hp curve of a particular pump series will satisfy your needs for head and flow, then the $\frac{3}{4}$ Hp pump in that series can be used to achieve the same performance when used with SubDrive 75.

It is important to remember that SubDrive 75 does not require a specially-designed pump. It utilizes a standard pump and

motor, which allows you to use the pump brand of your choice to provide your customers with a dependable constant pressure system. For more information on the SubDrive 75, contact your pump supplier or call our Submersible Service Hotline at 800-348-2420.



SubDrive 75 Features & Benefits

Constant Pressure - minimizes pressure drops in the shower, fill the washing machine faster

Saves Space - works with small pressure tanks or tanks already in place

Easy to Install - just like installing a control box; no programming necessary

Ideal for Lawn Irrigation - provides even distribution and allows larger zones in lawn irrigation systems; eliminates need for separate systems

No Pressure Cycling - ideal for long-running applications such as geothermal heat pumps

Soft Start Feature - easy on the motor, minimizes water hammer and upthrusting

Electronic Pump Protection - built-in diagnostics

Enhanced Performance of Treatment Systems - better output from water treatment systems such as reverse osmosis and water softeners; more efficient back flushing, no need for multiple pumps

Want more information about SubDrive 75?



Visit us online at www.franklin-electric.com
or call FE Electronics Customer Service at 800-370-8519 for a free brochure.

Clarification: 4-Inch 10Hp Amp Readings

Over the past few years, Franklin's 4-inch 10 Hp 460V motor has undergone some design changes that have caused the service factor (SF) amp values to change. These changes, in turn, have led to confusion in the field as to which value is correct. In reality, each value is correct, depending on when the motor was manufactured.

Older motors (models beginning with 234 329) had a service factor max amps rating of 18.5 A. However, when this motor was changed to a clad design (models beginning with 234 595), the SF max amps rating changed to 18.4 A. Then in July 2000, the new clad motor received a winding change to improve motor performance. Thus, the current production motor (models beginning with 234 595) carries a service factor max amps rating of 17.3 A.

The August 2000 edition of Franklin's Application-Installation-Maintenance (AIM) Manual lists 18.5 A as the SF max amps rating for the 4-inch 10 Hp 460V motor. While this value was correct when the manual went to press, it does not properly represent 4-inch 10 Hp motors manufactured today and will be adjusted for the next edition of the AIM manual. Remember, however, a 10 Hp motor is still a 10 Hp motor, regardless of the service factor amp rating.

Getting to Know Your Field Service Team: Jim Hartmann

Getting to Know Your Field Service Team is a new feature of Franklin AID. Each issue, we will highlight a member of the team to help you put faces with the names you hear in the field.



Jim Hartmann loves the water systems industry and helping people. That's why he's such a good fit as a Field Service Engineer for Franklin Electric. Jim says, "This is such a great industry to be involved in. The people are the best anywhere." He should know; Jim has been involved in the water systems industry for 15 years, and the

last 10 of them have been spent as a Franklin Electric Field Service Engineer. His territory covers ten states in the Northeast and parts of Canada. Jim says his favorite part of the job is presenting seminars and doing in-house training. "Any time you get a chance to help a contractor do a better job, we all win."

Jim grew up on Long Island, New York and graduated from Villanova University. Today, Jim lives in Jamison, Pennsylvania, a suburb of Philadelphia. He and his wife, Lynne, have three children. You can contact him by telephone at 260-827-5140, or by e-mail at jhartmann@fele.com.

Area Code Change

Some of you looking closely at this publication may have noticed a change of area code for our headquarters in Bluffton, Indiana. Effective January 15, 2002, the 219 area code for northeast Indiana, including Bluffton, was changed to 260. Not only does this change affect our fax number (noted below), but also the telephone numbers for Bob McClain, our Field Service Engineer for the Midwest. Bob's phone/phone mail number is now 260-827-5406, and his fax number is 260-827-5102. Please note this area code change to avoid problems getting in touch with us in the future. Of course, the toll-free number for our Submersible Service Hotline **1-800-348-2420** is unaffected by this change.

TOLL-FREE HELP FROM A FRIEND

Phone Franklin's toll-free SERVICE HOTLINE for answers to your installation questions on submersible pump motors. When you call, a Franklin expert will offer assistance in troubleshooting submersible systems and provide immediate answers to your motor application questions.

Franklin Electric SERVICE HOTLINE 800-348-2420 FAX 260-827-5102
www.franklin-electric.com



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