



HyPrecision 15/30/50™

PLC update for bleed-down valve operation

Field Service Bulletin

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One of Hypertherm's long-standing core values is a focus on minimizing our impact on the environment. Doing so is critical to our, and our customers', success. We are always striving to become better environmental stewards; it is a process we care deeply about.

Introduction

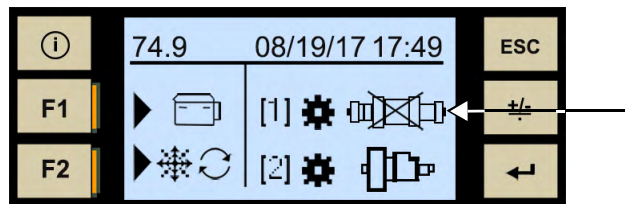
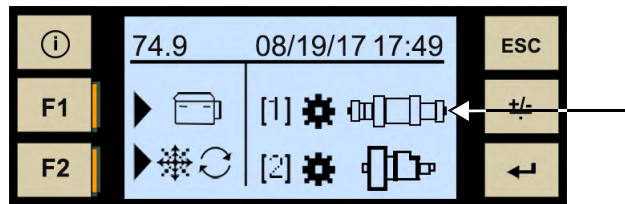
 DANGER	<p>DANGEROUS VOLTAGE</p> <p>To decrease the risk of serious injuries or death, wear approved protection and follow safety recommendations when working with electricity.</p>
 DANGER	<p>ELECTRIC SHOCK CAN KILL</p> <p>Disconnect electrical power before doing any maintenance.</p> <p>Work that requires removing the power supply cover must be done by a trained technician.</p>
	<p>Refer to the instruction manual.</p> <p>Read and understand all of the safety guidelines in this bulletin.</p>

Purpose

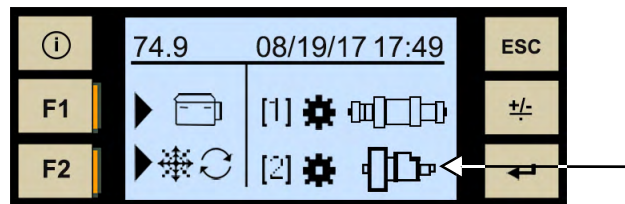
This field service bulletin explains how to use an update released for the Unitronics Vision 130 controller that controls HyPrecision 15, 30, and 50 pumps.

This update:

- Changes the intensifier symbol on the primary screen of the operator interface to show if the intensifier is enabled or disabled.

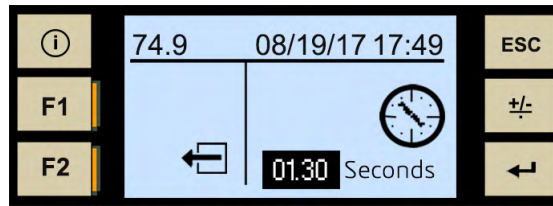


- Adds a bleed-down valve symbol to the primary screen.

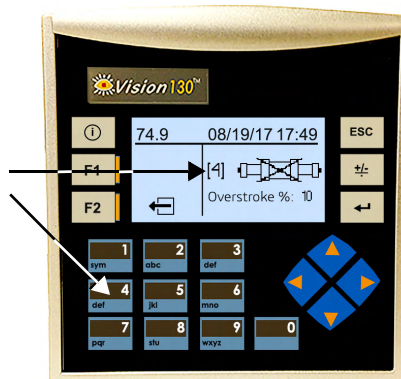


PLC update for bleed-down valve operation

- Adds a bleed-down valve settings screen, which permits the operator to change the amount of time that the bleed-down valve is open when changing from cut-pressure mode to pierce-pressure mode.



- Changes the number on the intensifier settings screen that the user presses on the numeric keypad to enable or disable the intensifier.



Use the controller

Contact Hypertherm Technical Service for the update and instructions for installing it.

Operator interface

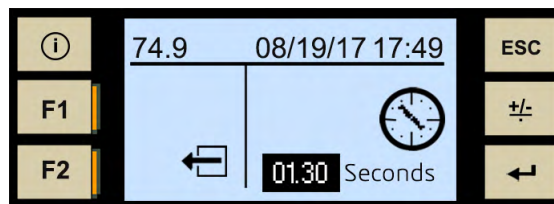


1 Numeric keypad

2 Enter

Touch 2 on the numeric keypad to open the bleed-down valve settings screen.

Bleed-down valve settings screen



When the operator changes the pump from cut-pressure mode to pierce-pressure mode, the bleed-down valve opens and discharges high-pressure water from the system.

The default setting of 1.3 seconds is appropriate for most situations. The operator can change the amount of time that the bleed-down valve is open.

If too much high-pressure water is discharged, the intensifier strokes quickly to build pressure back up to the lower setpoint. Decrease the time setting.

If not enough high-pressure water is discharged, the pressure at the cutting head can be higher than the setpoint. Increase the time setting.

1. Touch Enter to change the time setting.
2. Use the numeric keypad to change the value in the field.
3. Touch Enter to save the time setting.

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