



CONVAC S4 Main Screen.

The *CONVAC S⁴ Suction Side Stability System* combines the LNV bypass valve with a new and improved control system. *CONVAC S⁴* allows for unprecedented control of the dredge system variables which results in improved production, constant flow and reduced production costs. Features of the new control system include:

Color touchscreen interface with Vacuum, Velocity and Discharge displays with sweep indicators. Additional screens include System Setup, System Information, Configuration Management, Diagnostics, Trending and optional Digital Displays. A Menu screen allows for easy selection of the desired screen.

Dynamic vacuum setpoint technology adjusts the vacuum setpoint as required to maintain the desired system velocity. This feature allows the system to maintain precise control by automatically and continuously making small adjustments.

Individual sensitivity and speed controls provide the flexibility to configure the bypass valve response to match the flow characteristics of the dredge system. The system variables are easily recalled and managed using the Configuration Management screen.

Two operating modes, Automatic and Manual. Open and Close override controls allow the operator to control the bypass valve in either mode.

Discharge pressure bracketing to determine the system response points and provide a normal operating range visual reference.