

MODULAR DESIGN for convenience and easy servicing

CONTROL AND PUMP CONSOLES

Precision pump drives maintain speed and ratio within 1% of setpoint.

A single master control simultaneously changes the speeds of all pumps from near zero to maximum flow while maintaining the set ratios. Flow-meter feedback is provided for the blowing agent pump and the acid stream to accommodate the high slip common with these components.

The use of flush mounted sensors and the elimination of dead spots in the lines and pumps protect against clogging of the resin, whose shelf life may be drastically shortened at high processing temperatures.

Automatic adjustment of process conditions minimizes mixing power requirements. This energy conservation reduces heat buildup and eliminates the need for console ventilation and the accompanying exposure of the console to acidic fumes.

Additional instrumentation is provided to indicate fluid temperature in the lines, pump output pressure, and mixer RPM. Switches in the pressure display meters help protect the system from dangerous overpressures or annoying underpressures by use of alarms or system shutdown. An ammeter is furnished to indicate the instantaneous load on the resin pump.

The head mounted control is removable to eliminate electrical signals at the head for users of pentane blowing agents.



Mixing head temperature control system reduces premature frothing and foaming. Wrap-around stainless steel cooling jacket permits coolant to maintain favorable phenolic mix temperature for "hot" formulations.



"User friendly" control panel - Regulates and displays temperature, pressure and flow of resin, catalyst, additive and blowing agent - Incorporates shot time and mixer speed control - Stainless steel day tanks (added as an optional feature) - provide chemical temperature control