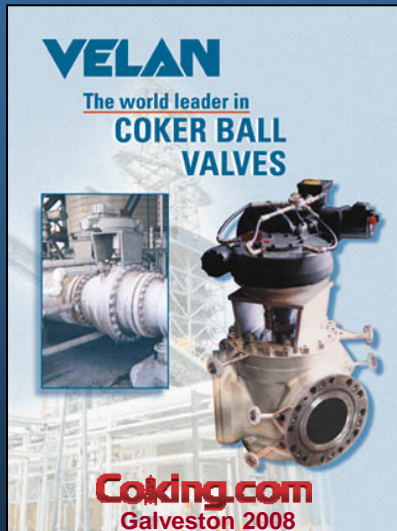


VELAN VALVE CONTROL SYSTEMS FOR DELAYED COKER APPLICATIONS



VELAN

COMPLETE VALVE SOLUTION FOR YOUR DELAYED COKER



4-36" ISOLATION VALVES



PLANT WIDE CONTROL SYSTEMS



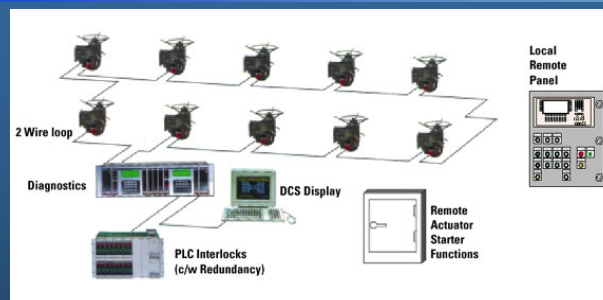
6-18" 4-WAY SWITCH
VALVES

VELAN

TURN-KEY COKER PLANT AUTOMATION SYSTEMS



VALVE CONTROL TRENDS



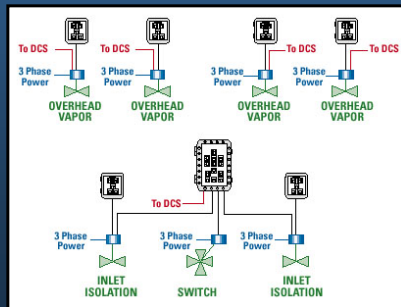
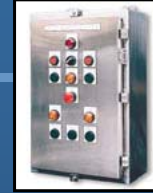
- Integral Push Button Station: Each valve has full control for open, stop and close actions.
- Local Push Button Station: Where access is difficult on isolation valves.
- Local Remote Panel: Where switch valve control is required.
- PLC Driven Interlocks: For safe operation, Units are fully redundant.
- DCS Interface: Indication only.
- Vibration & Current Transient Protection: Modifications to insure unwanted operation of valves does not occur.

VELAN

LOGIC CONTROL PANEL

SWITCH VALVE SAFETY INTERLOCKS

- Switch valve cannot be switched into a closed inlet isolation valve.
- Inlet isolation valve, which is normally opened during drum filling, cannot be closed by accident.
- These interlocks insure the pump cannot be dead-ended.

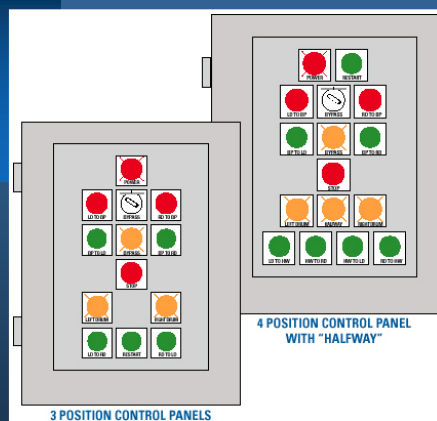


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BASIC CONTROL PANELS

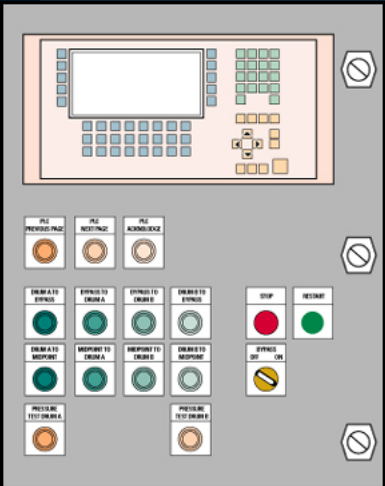
BASIC PANELS

- Pushbutton Station (switch valve only)
- Status Lights (3 or 4 Position)
- Bypass Key
- Hard Wired or PLC driven Permissive



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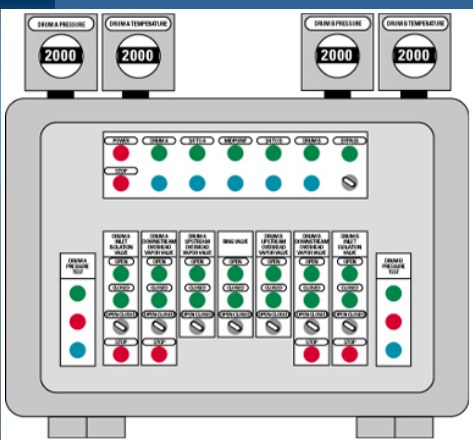
CONTROL PANELS OPTIONS



FEATURES

- *Status screen*
- *Torque trending*
- *Valve diagnostics*
- *Comprehensive valve status*
- *Sturdy class 1, div 1 or 2 or CENELEC construction*

CONTROL PANELS OPTIONS



OPTIONS

- *Pushbutton stations and status lights for main valves*
- *Interlock On/Off switch (linked to bypass mode)*
- *Pressure/Temperature indicators*
- *Fault indicator screen shows error in interlock sequence*
- *Midpoint timer for automatic slow switch*
- *Hard wired or PLC driven logic*