VELAN VALVE CONTROL SYSTEMS FOR DELAYED COKER APPLICATIONS

COMPLETE VALVE SOLUTION FOR YOUR DELAYED COKER

4-36” ISOLATION VALVES

6-18” 4-WAY SWITCH VALVES

PLANT WIDE CONTROL SYSTEMS
TURN-KEY COKER PLANT AUTOMATION SYSTEMS

• 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.
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.

BASIC CONTROL PANELS

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

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

FEATURES
- 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