

Singer Float Valve Controls Air Supply to Pump Without Electrical Components

THE SINGER FLOAT CONTROL VALVE INSTALLED



Problem: A Chicago Area Automotive Final Assembly plant wanted a float control valve that could control their air operated solvent recovery. The plant wanted to turn an air operated pump on and off with using an expensive explosion proof level sensor.

The plant has a solvent recovery tank in an explosion proof area of the plant. When

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the tank is full the plant needed to turn on the air operated pump to transfer the used solvent to a larger holding tank outside the plant. The plant did not want to use an electrical level sensor because it would have to be explosion proof and would be costly.

Solution: In Spring 2011, Kennedy Industries supplied a Singer float control valve that would turn on the air supply to the transfer pump without using an electrical signal. The valve has a stainless steel float that operates the valve so there is no solvent compatibility issues. The plant was able to reduce the high purchase price of an explosion proof level sensor and simplify the tank level control operation.

Singer Float Valve Features:

- Maintains relatively constant level
- Automatic compensation for level draw-down
- Standard integral damping reduces hunting
- Drip-tight at high level shut-off
- Low supply pressure options
- Stainless steel construction: Ideal for solvent recovery systems
- Adjustable on/off controls