

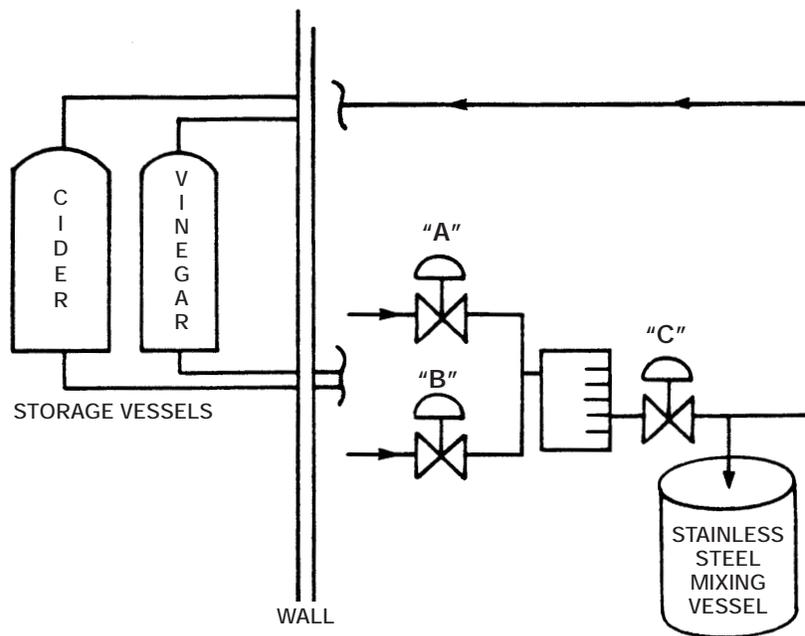
MARKET Food Industry – Mayonnaise

PRODUCT(S) Series EASM6V22W20-CP Solenoid Valve

REQUIREMENT To provide accurate, fast level control for blending.

PROCESS FLUID(S) Cider and Vinegar – 100 Grain

INLET PRESSURE/TEMPERATURE Gravity / 42°F



In the manufacturing of mayonnaise it is critical that the two (2) main ingredients, cider and vinegar, be blended in the right proportions. The cider and vinegar, kept in large storage vessels in a refrigerated room at 42°F, is individually transferred via CPVC 80 piping into the production area. The Series EASM

Solenoids are used to control the volume of the ingredients “A” and “B” going into the blending tank. Once the proper volume is prepared the blending tank discharge solenoid “C” opens, allowing the blended ingredients into the mixing vessel.

MARKET Printed Circuit Board (PCB)

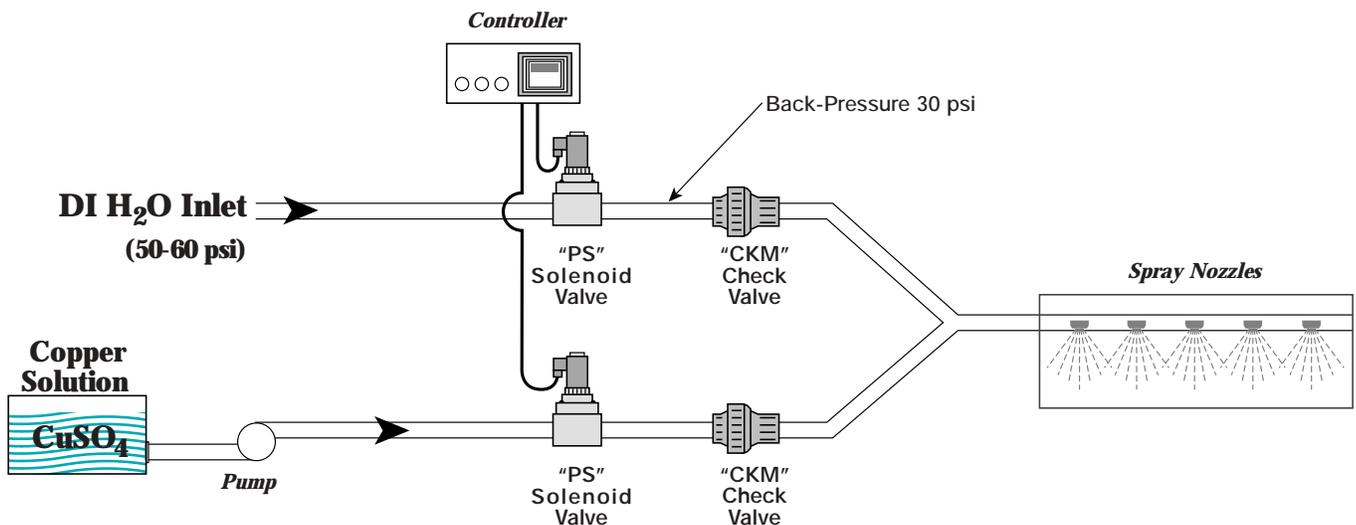
PRODUCT(S) Series "PS" Pilot Operated Solenoid Valve, #PS050VW11-PV

Series "CKM" Molded Check Valve, #CKM050V-PV

REQUIREMENT To provide electric, automatic, rapid, bubble-tight shut-off of corrosive chemicals and DI water in feed lines supplying nozzles on an open spray bar.

PROCESS FLUID(S) Copper Sulfate / DI Water

INLET PRESSURE/TEMPERATURE 60 PSI / Ambient



Customer required fast-acting, bubble-tight sealing, fail-safe (normally-closed) electric actuated valves. The customer did not want electrically actuated ball valves but was concerned with direct-acting solenoid valves due to his back-pressure levels. Series "PS" Pilot-Operated Solenoids were chosen due to their high flow and back pressure (70 PSI) capabilities. The customer also elected to install normally-closed "CKM" Check Valves as an additional layer of safety/redundancy.

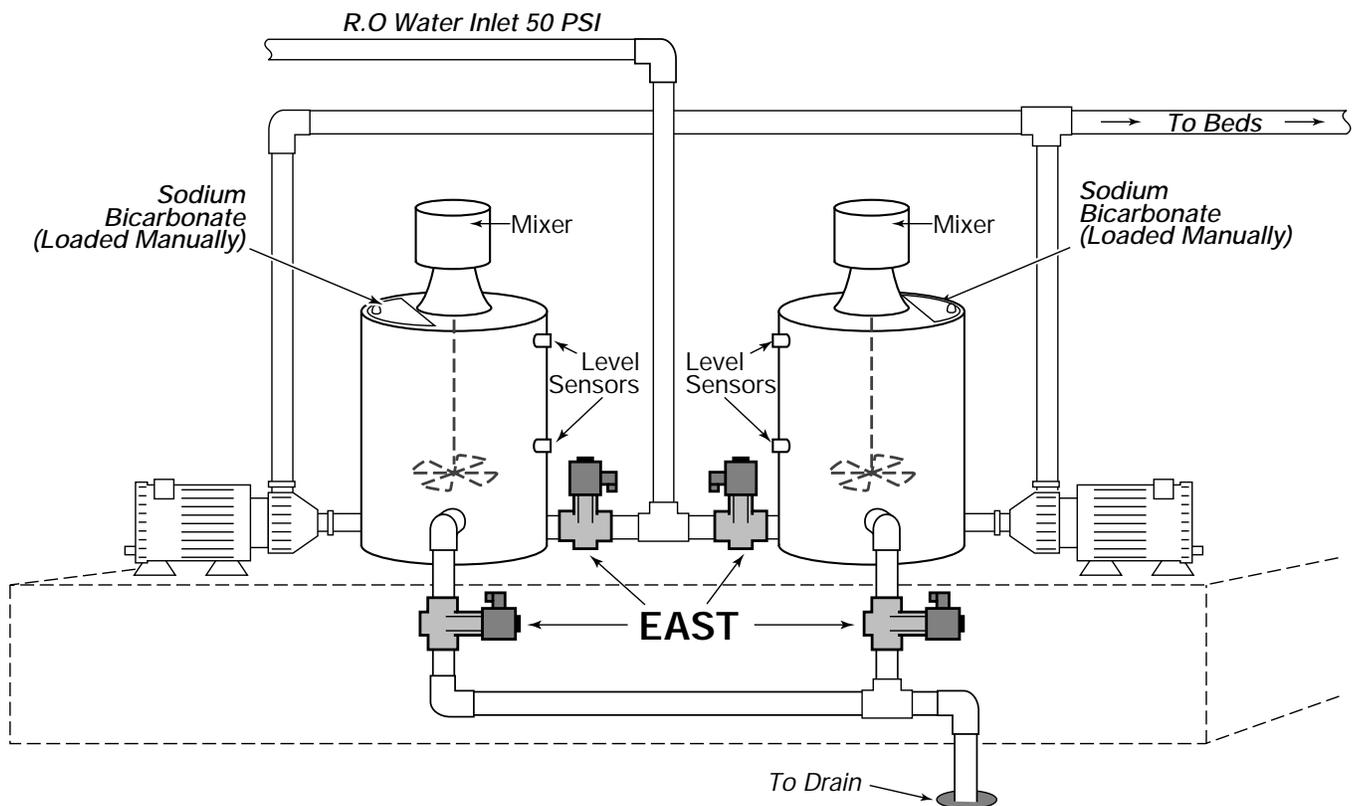
MARKET Dialysis Systems

PRODUCT(S) EAST4V6W11-PV, Solenoid Valve

REQUIREMENT To provide a fail safe closed, 100 PSI inlet rated, long cycle life, field repairable solenoid valve

PROCESS FLUID(S) R. O. Water and Bicarbonate

INLET PRESSURE/TEMPERATURE Up to 100 PSI or Gravity/Ambient



A worldwide dialysis equipment OEM required fail-safe, fast-acting valves for bicarbonate and R.O. water mixing. This “turn-key” system is designed for minimal maintenance as it is installed in dialysis clinics throughout the world.

Plast-O-Matic’s Series EAST4V6W11-PV solenoid valves were selected for the R.O. water inlets and main valves in the mixing tanks for

their size, lower power consumption and ease of field maintenance should problems occur. The patented Fail-Dry® system allows for visual inspection of the valve for preventative maintenance by clinic technicians.

*Note:* For additional dialysis applications see Bulletin IIC-16.