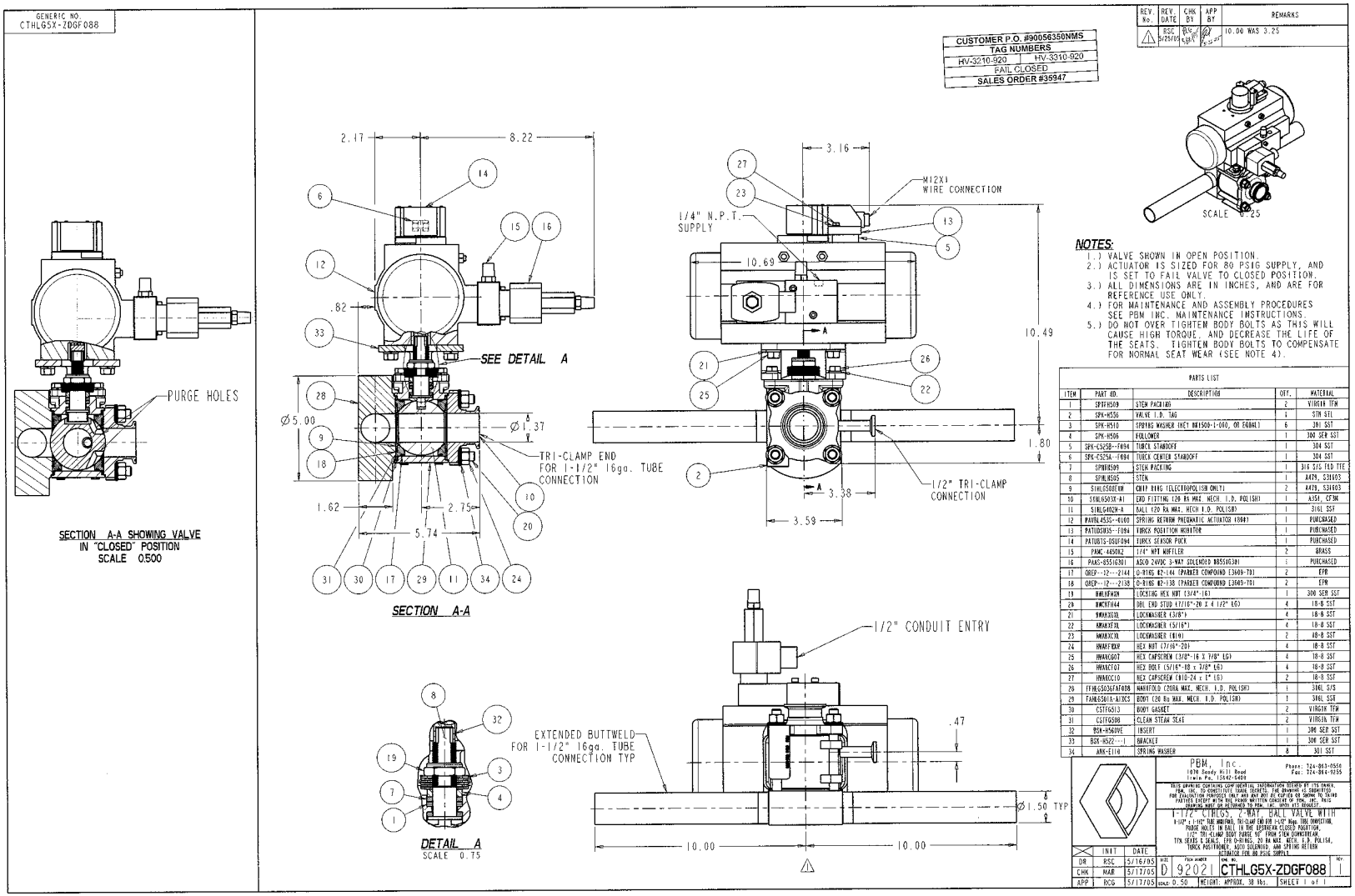
Industry: Pharmaceutical
Product: WFI (water for injection) sterile barrier clean steam ball valve
Media: Clean steam

www.pbmvalve.com



Application Brief: A major pharmaceutical company was looking for a valve to replace the traditional diaphragm valve coupled with a ball valve used as a sterile barrier for a WFI loop. PBM's valve design incorporates adjustable seats (adjust-o-seal) resulting in both an upstream and downstream seal. PBM's ability to seal at the upstream seat provided the ability to provide bubble-tight isolation with zero dead-leg at the WFI header, thus maintaining a sterile barrier. When the system is sterilized, the PBM valve is opened to introduce clean steam into the process loop. A purge port in the valve body drains any resultant condensate that may accumulate during the cleaning cycle. PBM's ability to provide an ultra-sanitary process valve that seals on the upstream seat and performs flawlessly in this application resulted in saving thousands of dollars compared to traditional methods of using a combination diaphragm valve coupled with a ball valve.

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