BIFFI MORIN B-WH SERIES PNEUMATIC ACTUATOR

SUGGESTED SPECIFICATION

STANDARD SPECIFICATION

- Actuator shall be of scotch yoke design and utilize linear travel stops that are field adjustable for a minimum of 8° angular rotation at both ends of stroke.
- Cylinder to be honed and constructed from 316 stainless steel.
- Piston bearing shall be standard to fully support piston and shall be PTFE.
- All moving parts are to be supported by replaceable bearings.
- Scotch yoke shall be of 17-4PH stainless steel or ductile iron material, bearings and thrust pin used to convert linear to rotary motion shall be 440C stainless.
- Power cylinder to be constructed as follows:

o Cylinder shall be 316 stainless steel
o Piston shall be 316 stainless steel
o Power cylinder heads shall be Ductile Iron (A395) with e-coat protection
o Piston bearing shall be PTFE
o Bronze bearing to support rod of power cylinder

- Piston seal shall be of "T" design with nylon supports both side to prevent spiral failure of seal above size actuator as defined by double acting torque at 80 psig of 1500 lb. in.
- Power cylinder is to be isolated from power head (scotch yoke section) by seals. It is not acceptable to have the power head included as part of the power cylinder pressure chamber.

OPTIONAL SPECIFICATION CAN INCLUDE:

- Actuator to be provided with full stroke adjustment, open and/or closed position
- Actuator to be provided with manual jackscrew override
- Actuator to be provided with hydraulic override which shall include speed controls
- Actuator to be provided with integral lock out / tag out device that allows the adjustment of locking position based on the adjustment of the integral travel stop
- Actuator to accept NAMUR top mount accessories with only support bracket, no coupling is allowed
- Actuator is to meet AWWA 540 specifications for water service.