

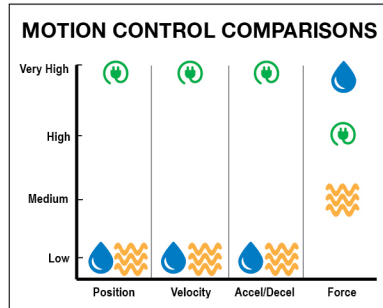
COMPARING INTELLIGENCE AND OPERATIONS

Electric vs. Pneumatic vs. Hydraulic Actuators

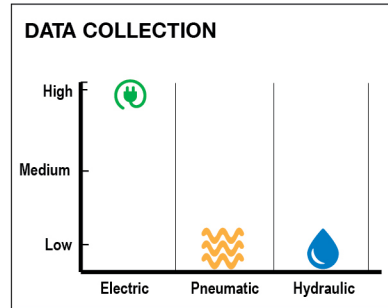


Intelligence

Control of speed, position and force can be critical in high-precision applications.

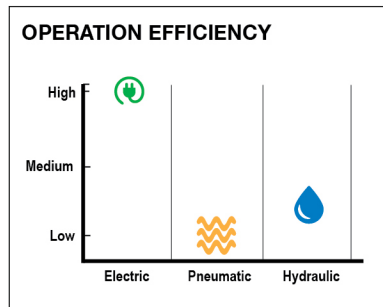


Electric actuators meet management requirements for data collection and reporting.

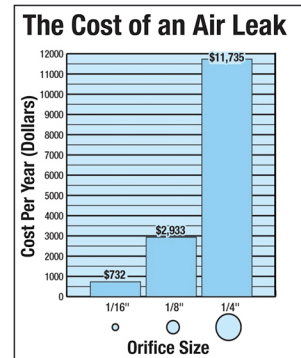


Operations

Compared to pneumatic and hydraulic systems, electric actuator systems operate far more efficiently.

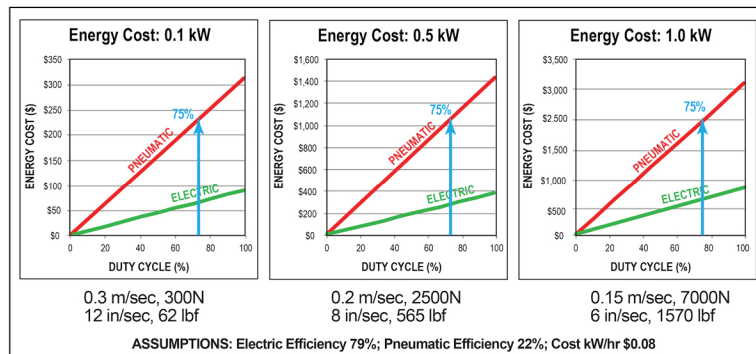


Cumulative air leaks in a compressed air system across an entire facility can be very costly. Costs calculated using the industrial electricity rate of \$0.07 per kWh,* assuming a consistent operation and an efficient compressor.



Power Costs

Method to calculate power usage and estimate electric utility costs. Blue arrows depict cylinder operation at 75 percent duty cycle.



- 1 POWER-OUT (kW)
- 2 POWER-IN (kW)
- 3 COST OF APPLICATION