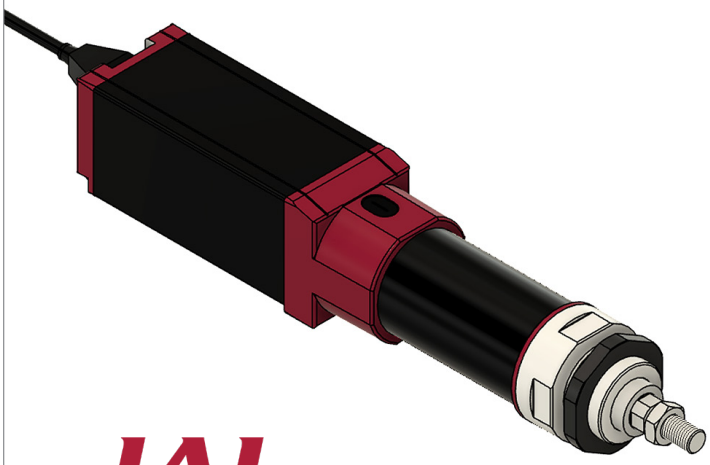
Flotronics AUTOMATION

IAI INTELLIGENT ACTUATOR
ELECYLINDER SERIES

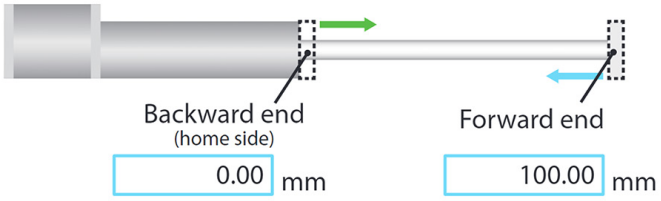
The Simplest Solution for Electric Actuators
Designed to Move Between Two Points Just Like an Air Cylinder
Speed/Acceleration/Deceleration Can Be Set in Just 5 Minutes



Features

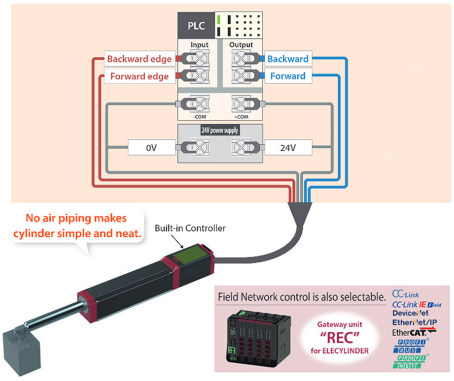
- *Simple Plug & Play Setup*
- *Easy Position Programming - Simple to Set Positions, Acceleration, Velocity & Deceleration*
- *Product & Operating Cost Savings*
- *Actuator Has Built-In Motor & Drive*
- *Ethernet & Other Fieldbus Communication Available*
- *Safer - No Stored Energy, Easy to E-Stop*
- *No Change to PLC Program*
- *No Limit Switch*
- *No Flow Control Adjust*
- *Less Down Time*
- *Fewer Maintenance Parts - Predictive Maintenance Function*
- *Continuous Duty Cycle - Longer Life*

Set Two Points Like an Air Cylinder



Simply enter data to begin operation. No need for complicated programming. Can be operated with ON/OFF signals alone, just like solenoid valves.

Plug & Play- Simple Operation



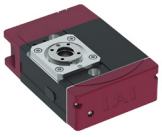
Actuator has built-in motor and drive. Only requires connection of 2 Cables (communication cable and power cable).

Ask Us About Other Models from the Elecylinder Series

EC-RR6_R/EC-RR7_R Series Rod Actuator W/ Reverse Parallel Motor Mount

EC-B6/EC-B7 Series Rodless Belt Actuator W/ Upward Motor Mount

EC-ST Series Guided Compact Actuator



EC-RTC Series Rotary Actuator

EC-RR6_R/EC-RR7_R Series

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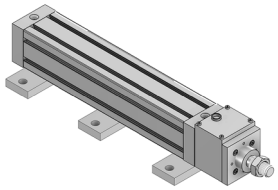
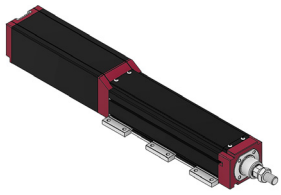
ELECYLINDER SERIES

Air Cylinder Option
(15 Plus Parts to Purchase - Lower Duty Cycle/Shorter Life)



Item #	Component	Cost
1	Pneumatic Rod Cylinder - 50MM bore, 100MM stroke with rod lock, foot mounts & switches. Most comparable with EC-R7 Series	$515.00
2	2 Station Valve Assembly Station 1 controls cylinder Station 2 controls rod lock	$255.00
3	5M Cable for Valve Assembly	$69.00
4	Air Prep Assembly (Shut-Off, Filter & Regulator)	$188.00
5	Fittings - For all Pneumatic Items Listed	$30.00
6	Silencers	$28.00
7	Flow Controls	$38.00
9	Tubing	$20.00
Assembly time; set up cost for all of the above components		$130.00
Expected First Year Hard Cost		$1,273.00

IAI Elecylinder Option
(Only One Part to Order - Higher Duty Cycle/Longer Life)



Item #	Component	Cost
1	ELECYLINDER EC-R7-L100-5-B-FT-PN Base Cost - 4mm lead, 100mm stroke	$780.00
2	Cable, 5M (Option)	$160.00
3	Brake (Option)	$240.00
4	Foot Brackets (Option)	$50.00
Expected First Year Hard Cost		$1,230.00

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Average Annual Electrical Cost of Air Cylinder

Reduce to 1/6

* Based on IAI research.

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Average Annual Electrical Cost of ELECYLINDER

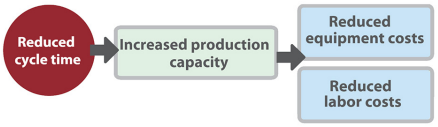
* Based on IAI research.

LOWER FIRST YEAR HARD COST, 1/6 ELECTRICAL COST & HIGHER DUTY CYCLE/LONGER LIFE!

Save More Money VS. Air

More Efficient / Less Labor & Maintenance

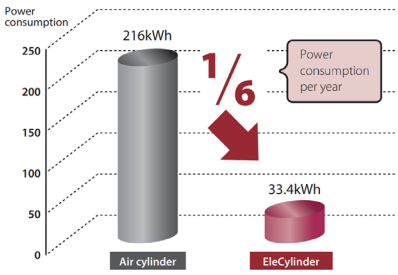
Profitable!



Energy Costs - Reduces Electricity Bills

The difference in the rate of power consumption for the EleCylinder and air cylinders depends on the operational frequency. The higher the operational frequency, the more effective the energy-saving becomes. Based on tests conducted by IAI, the EleCylinder's power consumption, under the following conditions is 1/6 that of air cylinders.

<Operational conditions>	
• EleCylinder: EC-R7	• Acceleration: 0.3G
• Air cylinder: ø32	• Load: 30kg
• Stroke: 300mm	• Installation orientation: Horizontal
• Speed: 280 mm/s	• Operational hours: 16 hours per day
• Operation cycle: 30 seconds per reciprocating motion	
• Operating days per year: 240 days	



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