



FOOD GRADE ACTUATORS



# IP69K Rated Food Grade Actuators (Stainless Steel)

Nook/Thomson's Premium Food Grade Actuators conform to several hygienic design guidelines including **3-A Dairy** for food and beverage applications and is **IP69K** rated for sanitary wash-down *during operation*. **Designed as an alternative to pneumatic cylinders**, they are optimal for a wide variety of Food & Beverage applications where reliability, durability, hygiene, and corrosion resistance are critical.

## Features:

- Angular contact bearings minimize wear
- Smooth 316 stainless housing for corrosion resistance
- Several mounting and motor options
- Motor isolated from actuator for protection
- Water and corrosion resistant (IP69K)
- Premium grade **FDA Approved** wear resistant seals



**Units conform to 3A Dairy & USDA hygienic design guidelines**

## Benefits:

- Clean in place (CIP) while actuator is operating
- Greatly reduces need for protective guards
- Extended operating service life
- Extreme leak protection
- 3A Dairy and hygienic usage

## Ideally Suited for:

- Aligning
- Open/Close Doors & Lids
- Conveyors
- Dumping
- Cutting
- Packaging
- Filling
- Sorting
- Slicing
- Pumping
- Raising/Lowering
- Moving

**And many more...**

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# Stainless Steel Actuators (Fully Enclosed)

Nook/Thomson's stainless steel ball screw actuators are available in standard and enclosed options and feature exterior components made from FDA approved materials. These premium actuators utilize 300 series stainless steel, FDA compliant exterior components, and hardened alloy steel Nook/Thomson ball screws.



**SA-XX Inline Version**



**SA-XX Parallel Version**



**SA-ER-XX**

Model #	Screw Size / Lead (mm)	Max. Output Continuous (N / lbf)	Max. Output Intermittent (N / lbf)	Travel Rate (max) (mm/sec)	Travel Lengths (mm)
SA-XR-06	6 / 2	111 / 25	156 / 35	44	50 – 200 25 mm incr.
SA-ER-06					
SA-XR-10	10 / 2	356 / 80	445 / 100	48	50 – 300 50 mm incr.
SA-ER-10					
SA-20	20 / 5	4855 / 1090	11650 / 2620	167	150 – 750 150 mm incr.
	20 / 20	1220 / 275			
SA-20 0750-200 / 0500	19.05 / 5.08	4780 / 1075	5780 / 1300	667	
	19.05 / 12.7	1910 / 430			
SA-32	32 / 10	4680 / 1050	13340 / 3000	365	150 – 900 150 mm incr.

Maximum outputs are at maximum speeds with Nook/Thomson supplied motors



**SA-XR-XX**

## XR SERIES (External Motor)

Intended for light duty use on non-product contact food processing machines. All exterior components (except motor) are wash down compatible.

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