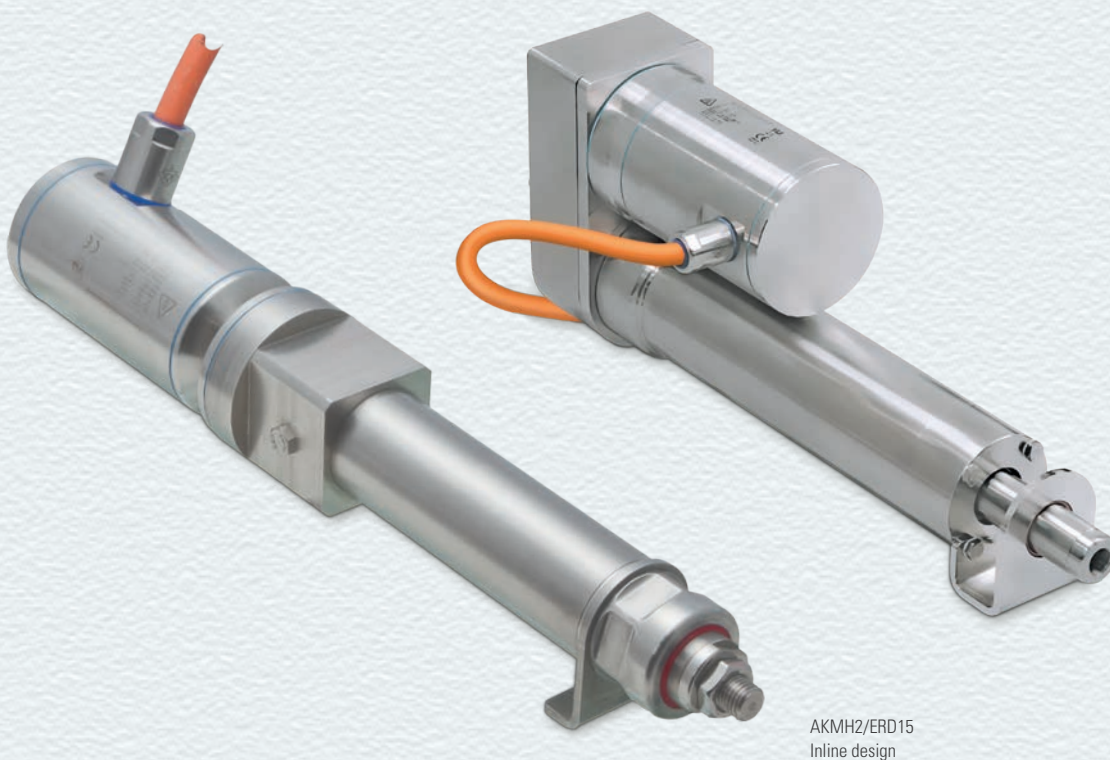


Preventing Bacteria: Hygienic stainless steel linear actuators

- ▶ **Improved overall equipment effectiveness (OEE) thanks to significantly reduced cleaning times**
- ▶ **Low risk of product recalls thanks to the hygienic design with certified components**
- ▶ **Simple machine installation and quick commissioning through the scalable single cable solution**
- ▶ **Highly reliable: Robust IP69K design with high power density and overload capacity**

Reduce cleaning times without compromising on performance and installation space: Kollmorgen combines an AKMH™ stainless steel motor with a linear actuator and a ready-to-install hygienic linear drive, which are ideal for lifting units, measure pourers, or format adjustments in the packaging, food processing or pharmaceutical industries. The extremely compact linear actuators are available as inline or reverse units in various motor/spindle combinations.

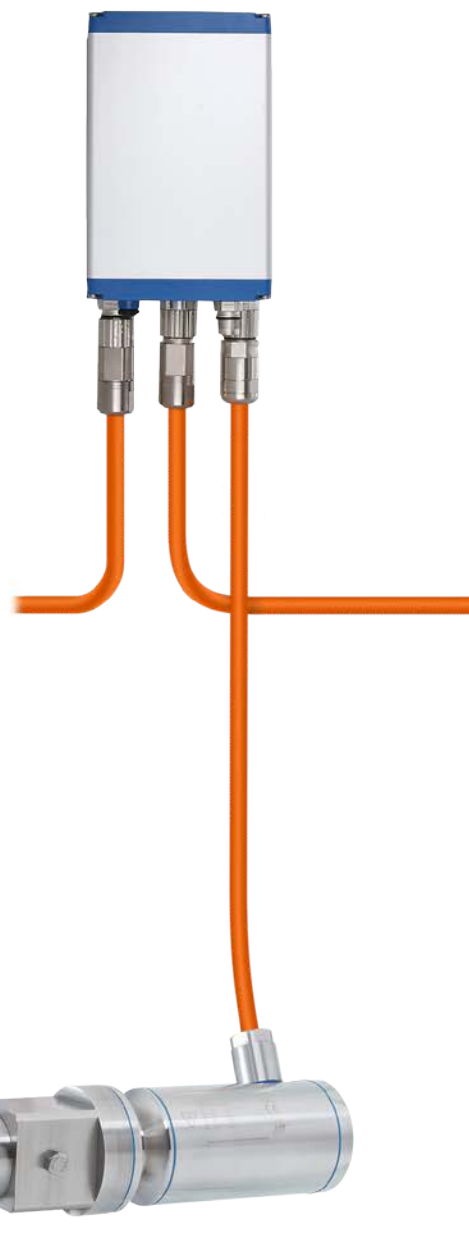
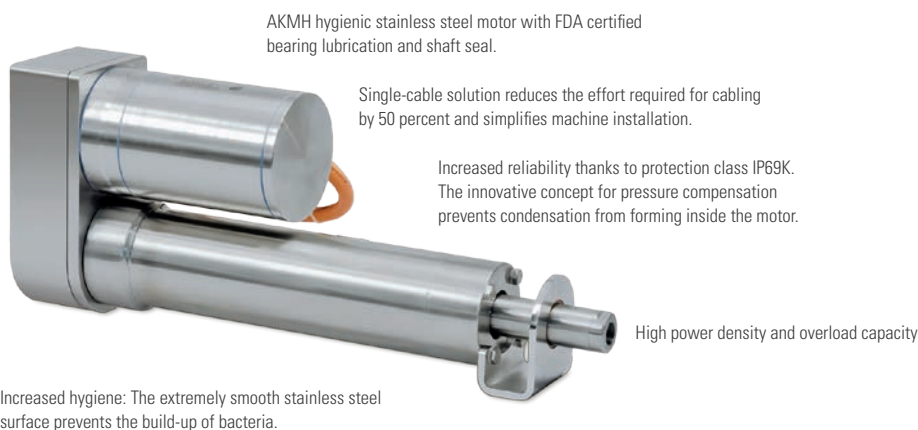


For maximum product safety and improved overall equipment effectiveness

- Hygienic housing design prevents the build-up of bacteria and dirt pockets
- Cleaning is easy and quick thanks to the open machine design without protective housing
- Extremely reliable even with frequent high-pressure and high-temperature cleaning thanks to the IP69K stainless steel housing
- Single-cable connection reduces the effort required for cabling by 50 percent and improves hygiene.
- High level of product safety ensured in accordance with USDA, 3A, NSF requirements

More freedom in hygienic machine design

Four sizes with variable feed up to 600 mm, centralized or decentralized connection technology, encoder and brake options, and seamless integration in all Kollmorgen automation solutions – various options to build optimally adapted hygienic linear drives. So machines are even simpler with Kollmorgen. Thanks to the IP69K design you have an open machine design without protective housing, and the single-cable technology reduces the effort required for cabling by 50 percent.



Overview of performance data

Stainless steel linear actuators		AKMH2/ ERD15	AKMH3/ EDR20	AKMH4/ ERD25	AKMH5/ ERD30
Protection class / hygiene standard		IP69k / USDA, 3A, NSF			
Connection technology / servo amplifier		Single-cable technology, centralized with AKD or decentralized with AKD-N			
Encoder options		Digital Resolver SFD3, Hiperface DSL			
Motor diameter	mm	72.5	85	114	132
Actuator diameter	mm	42	52	89	89
Feed (max)	mm	600	600	600	600
Feed speed (max)	mm/s	1016	495	1448	813
Feeding force	kN	0.89	2.224	14.679	20.017

Significantly less effort required for cabling and shorter cable routing paths thanks to single-cable technology and decentralized AKD™-N servo amplifier.

