

Kurt J. Lesker
Company

UHV LINEAR MOTION DRIVES & ACCESSORIES

BIOTECHNOLOGY PHARMACEUTICAL DISPLAY TECHNOLOGIES OLED/PLED NANOTECHNOLOGY
MEMS NIGHT VISION AEROSPACE SEMICONDUCTOR SUPERCONDUCTOR OPTICAL & WEB C



REFRIGERATION LASER TECHNOLOGY DATA STORAGE MASS SPECTROMETRY THIN FILM PHA
AUTOMOTIVE LIGHTING SURFACE ANALYSIS R&D HIGH ENERGY PHYSICS HEAT TREATING D

Products for All Applications

Linear Screw Drive Positioners – Manual & Motorized

- UHV linear positioners with 25, 51, 102, 153, and 203mm travel - manual screw drive actuator
- Mounting flanges are 1 1/3" OD CF and 2 3/4" OD CF flanges
- Bakeable to 450°C fully assembled (Motorization kit removed)
- Operating pressure 1 atm to 10⁻¹¹ torr
- Edge-welded bellows seal
- Only UHV materials exposed to vacuum
- Position lock to hold plunger at any position within proscribed travel
- 3/8" OD output shaft with M4 tapped mounting holes
- Motorization Kit is available separately and is retrofittable to all KLSD series drives
- Applications include: sample positioning and other finer, repeatable linear-motion jobs

We service this and other equipment at our facilities in Pennsylvania, U.S.A, and Hastings, England.

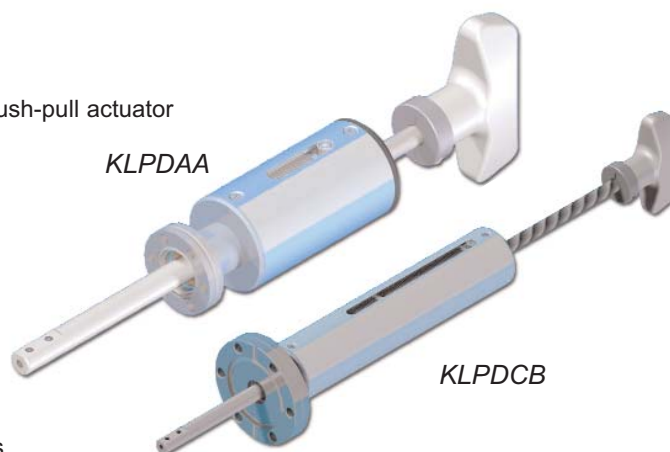
KLSD Series Drives

CF Flange OD	Movement (mm)	Vac-side Retracted (mm)	Atm-side Extended (mm)	Part #
1 1/3"	25	81	126	KLSDAA
1 1/3"	51	81	160	KLSDBA
1 1/3"	102	81	233	KLSDCA
1 1/3"	153	81	306	KLSDDA
1 1/3"	203	81	378	KLSDDA
2 3/4"	25	80	127	KLSDAB
2 3/4"	51	80	161	KLSDBB
2 3/4"	102	80	234	KLSDCB
2 3/4"	153	80	307	KLSDDB
2 3/4"	203	80	379	KLSDDB
Motorization Kit				KLDMK1



Push-Pull Positioners - Manual

- UHV linear positioners with 25, 51, 102, and 153mm travel - manual push-pull actuator
- Mounting flanges are 1 1/3" OD CF and 2 3/4" OD CF flanges
- Bakeable to 150°C fully assembled. (250°C Partially disassembled)
- Operating pressure 1 atm to 10⁻¹¹ torr
- Only UHV materials exposed to vacuum
- Edge-welded bellows seal
- Position lock to hold plunger at any position within proscribed travel
- Adjustable travel limit lock
- 3/8" OD output shaft with M4 tapped mounting holes
- Applications include: shutters, beam stops and other linear-motion jobs

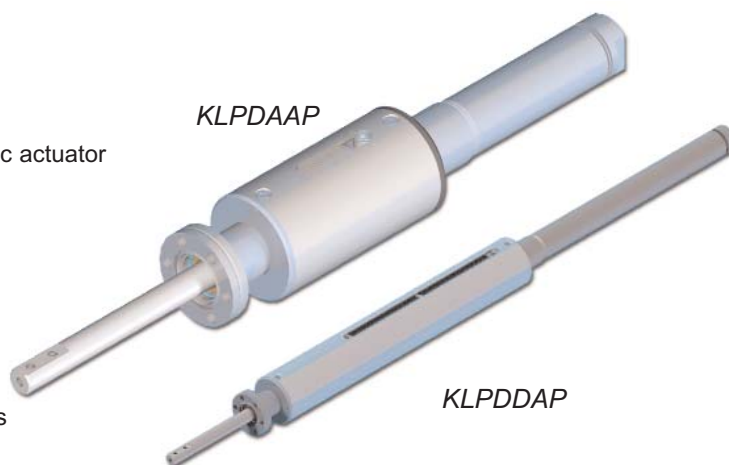


KLPD Series Drives (Manual)

CF Flange OD	Movement (mm)	Vac-side Retracted (mm)	Atm-side Extended (mm)	Part #
1 1/3"	25	81	169	KLPDAA
1 1/3"	51	81	229	KLPDBA
1 1/3"	102	81	353	KLPDCA
1 1/3"	153	81	476	KLPDDA
2 3/4"	25	80	170	KLPDAB
2 3/4"	51	80	229	KLPDBB
2 3/4"	102	80	354	KLPDCB
2 3/4"	153	80	477	KLPDDB

Push-Pull Positioners - Pneumatic

- UHV linear positioners with 25, 51, 102, and 153mm travel - Pneumatic actuator
- Mounting flanges are 1-1/3" OD CF and 2 3/4" OD CF flanges
- Not bakeable assembled. (250°C partially disassembled)
- Operating pressure 1 atm to 10⁻¹¹ torr
- Edge-welded bellows seal
- Only UHV materials exposed to vacuum
- 3/8" OD output shaft with M4 tapped mounting holes
- Applications include: shutters, beam stops and other linear-motion jobs



KLPD Series Drives (Pneumatic)

CF Flange OD	Movement (mm)	Vac-side Retracted (mm)	Atm-side Extended (mm)	Part #
1 1/3"	25	81	188	KLPDAAP
1 1/3"	51	81	248	KLPDBAP
1 1/3"	102	81	371	KLPDCAP
1 1/3"	153	81	495	KLPDDAP
2 3/4"	25	80	189	KLPDABP
2 3/4"	51	80	249	KLPDBBP
2 3/4"	102	80	372	KLPDCBP
2 3/4"	153	80	496	KLPDDBP

Questions or comments? Contact our product specialists at: uhvproducts@lesker.com.

GLOBAL VACUUM PRODUCT LINES

VACUUM MART™ DIVISION

Vacuum Valves & Hardware

- Flanges, Components, & Fasteners
- Gate & Angle Valves
- OFHC Copper Gaskets
- Bellows, Tubing, & Seals
- Semiconductor, PV, & FPD Process Valves

Feedthroughs

- Power & High Voltage
- Viewports (Optical Feedthrough)
- Coaxial & Instrumentation
- Thermocouple
- Ferro-Magnetic Fluid Rotary Drives
- USB

Vacuum Pumps & Accessories

- New & Remanufactured
- Rotary Vane & Piston
- Scroll & Diaphragm
- Screw & Roots Blowers
- Turbo & Diffusion
- Cryogenic & Ion
- Traps & Filters
- Complete Offering of Pump Repair Services

Vacuum Fluids

- Full Line of Mechanical Pump Oils
- Fomblin® PFPE - Inert PFPE
- Galden® PFPE - Heat Transfer Fluid
- Vacuum Greases, Sealants, & Solvents
- Pump Oil with R/O Additives
- Silicon Diffusion Pump Oils
- Pump Oil Recycling

Pressure Measurement

- Analog & Digital Active Gauges
- Pressure Indicators & Controllers
- Wide-Range Gauges
- Multi-Gauge Controllers
- Replacement Gauge Tubes
- MKS Baratrons®

Sample Manipulation & Motion

- Rotary & Linear Motion
- Linear Positioners
- Wobble Sticks & Port Aligners
- XYZ Manipulators
- Multi-Axis Manipulators
- Sample Transfer Probes
- Sample Heating & Rotation
- Motion Control
- Sample Distribution Center

Vacuum Services

- Full Line Pump Repair/Rebuild Services
- Pump Oil Recycling
- Technical Information
- Technical Consulting
- Decontamination
- Magnetron Cathode Service
- Contract Manufacturing

PROCESS EQUIPMENT™ DIVISION

Deposition Sources

- Torus® Magnetron Sputtering Sources
- Electron Beam Evaporation
- Organic Material Sources
- Electron Beam Sources
- Ion Sources
- Thermal Evaporation Sources

Process Instrumentation

- Film Thickness
- Mass Flow Controllers
- RF & DC Power Supplies
- Pulsed DC Power Supplies
- Power Supplies for Evaporation

System Components & Custom Engineered Solutions

- Turnkey & Partial Build Solutions
- Comprehensive Engineering Design Support
- Chambers, Frames, & Mounting Structures
- High Temperature & Bakeout Heater Assemblies
- Heater Power Supplies
- Substrate Load Locks & Transfer Vessels

Vacuum Systems

- Thin Film Deposition Systems
- Cluster Tools
- Box Coaters
- General PVD Systems
- Computerized Systems
- Combinatorial Systems
- Organic Material Deposition Systems
- R&D Sputter Tools
- Vacuum Furnaces & Ovens
- Atomic Layer Deposition (ALD)
- Drum Coaters
- In-line & Linear Systems
- R2R Systems

MATERIALS™ DIVISION

Deposition Materials

- Sputtering Targets
- Precious Metals & Reclaim
- Evaporation Pieces
- Thermal Evaporation Sources
- E-Beam Crucible Liners
- Bonding Service
- Backing Plates
- Ceramic Materials Manufacturing (CMM)

MANUFACTURING™ DIVISION

Vacuum Chambers & Components

- Standard SS Cylindrical, D-Shaped, Spherical, & Box Chambers
- Standard Pyrex® Glass Bell Jars & Cylinders
- Standard Building Blocks to Customize Your System
- Custom Chambers
- Array of Finishes & Materials
- Easily Build Your Own Chamber with the Custom Chamber Configurator On-line

Manufacturing & Fabrication

- State-of-the-Art CNC Machining
- Mechanical, Manufacturing, & Industrial Engineering
- Computer Based Scheduling & Routing
- CAD, CAM, & FEA Software
- Coordinate Measuring Machine Inspection (CMM)
- UHV Compatible Cleaning Process

We have a network of representatives around the world ready to service the international vacuum community.

Visit our website to find the representative nearest you, or contact our International Sales Department.

www.lesker.com/locations

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