

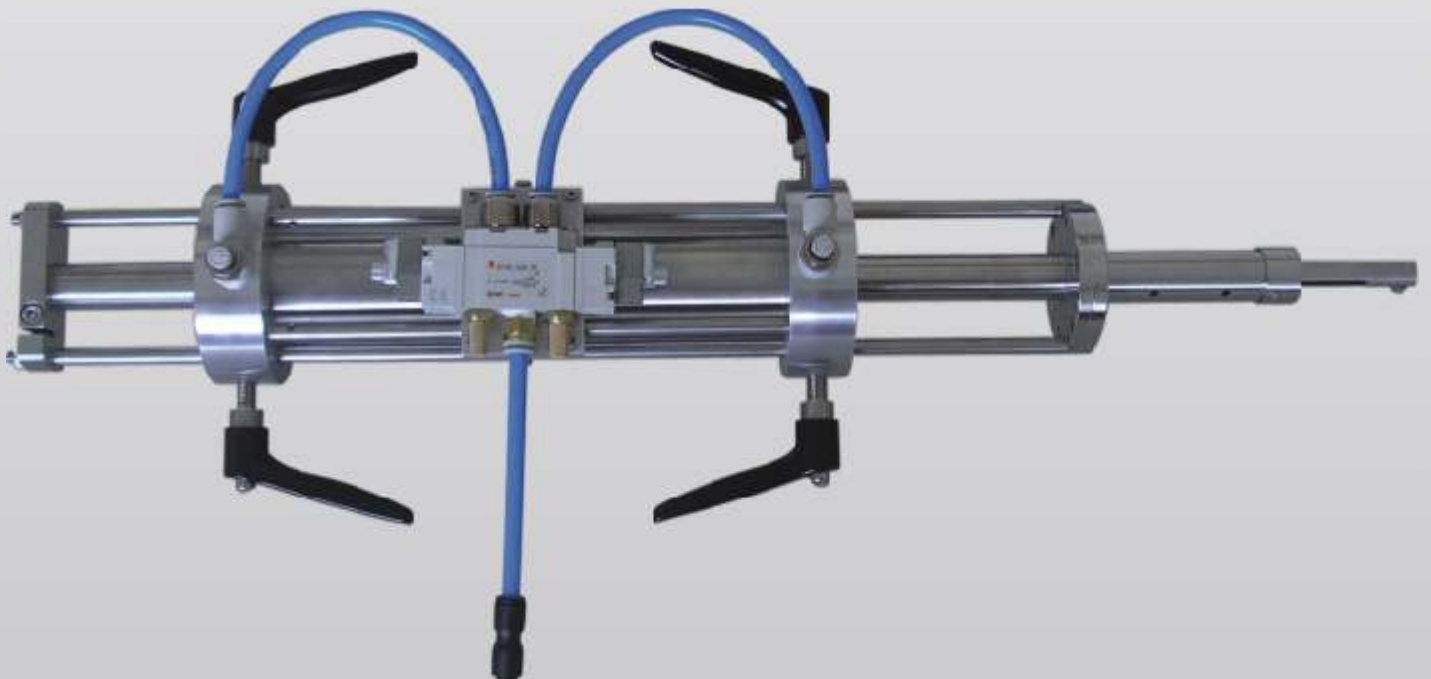
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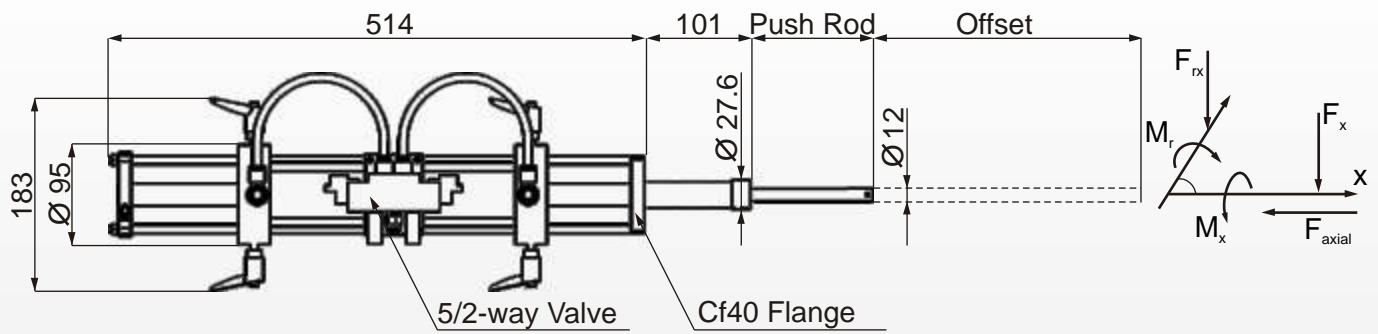
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mbar VACOM®

PALDV-03-120 Pneumatically Driven Linear Vacuum Feedthrough

- Applicable for the use in ultra high vacuum
- Approx. 200 ms cycle time
- Freely adjustable end position damper
- Sample holder configurable to customer's requirement
- Bakeable up to 80° C (with detached pneumatic cylinder)
- Ready to mount with CF40 flange
- Suitable for rapid and reproducible shading of deposition sources



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Technical Data

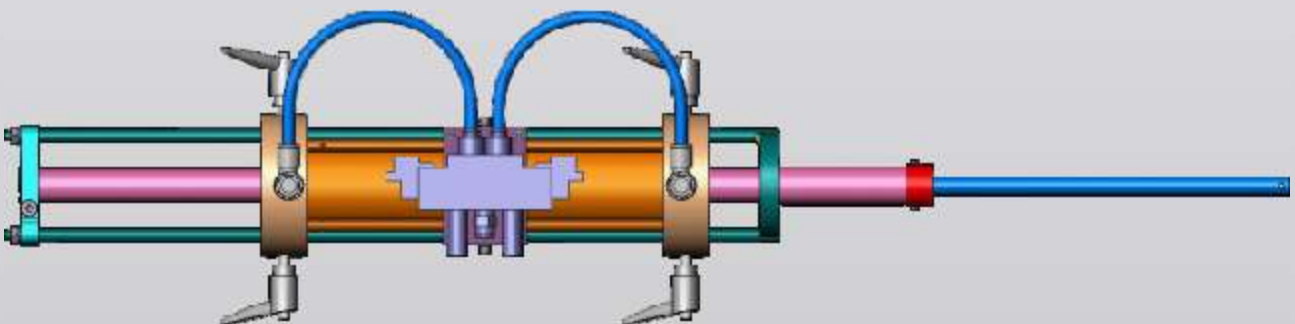
Stroke	119 mm
Offset	from 14.5 up to 19.5 mm
Cycle time	approx. 200 ms
Operating temperature	max. 50 °C
Medium	dry, filtered compressed air
Operating pressure	max. 7 bar min. 5 bar
Air consumption	max. 60 l/min
Hose connection	Ø 8 mm
Adjustable damper	

Forces

Decoupling force F_{axial}	90 N
Maximum force $F_{axial, max}$ along the push rod in non horizontal position	7 N
Maximum torque $M_{r(max)}$	11 Nm
Maximum torque $M_{x(max)}$	0.5 Nm

Determination of the maximum allowable force F_r

M_r in [Nm], F_r in [N], x in [m]	$F_r(x) = \frac{M_r}{(0.49 + x)}$
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VACOM

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