

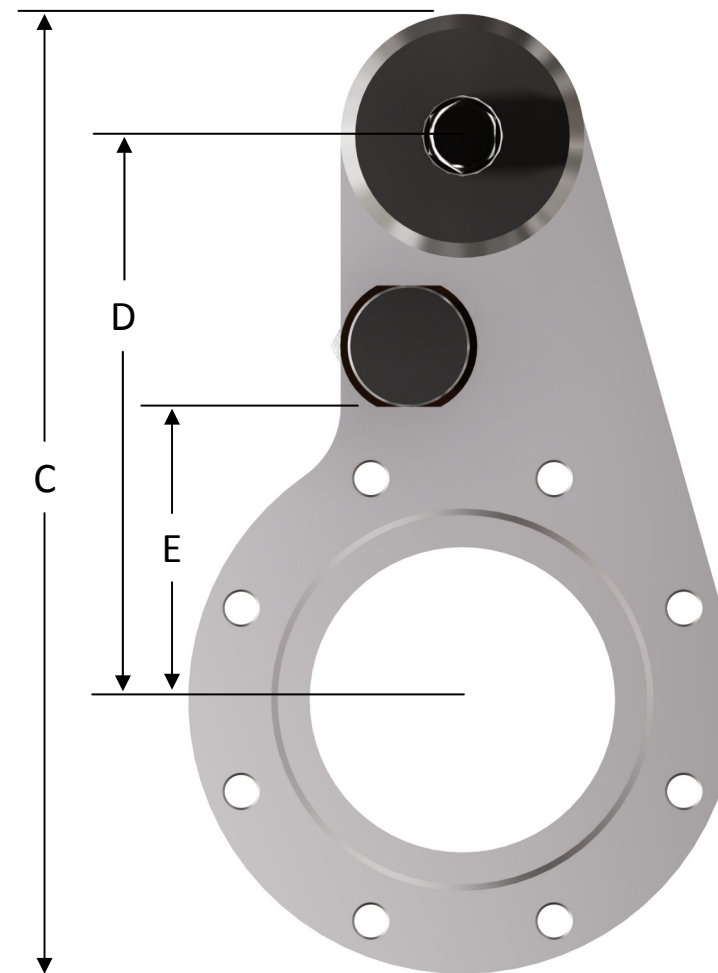
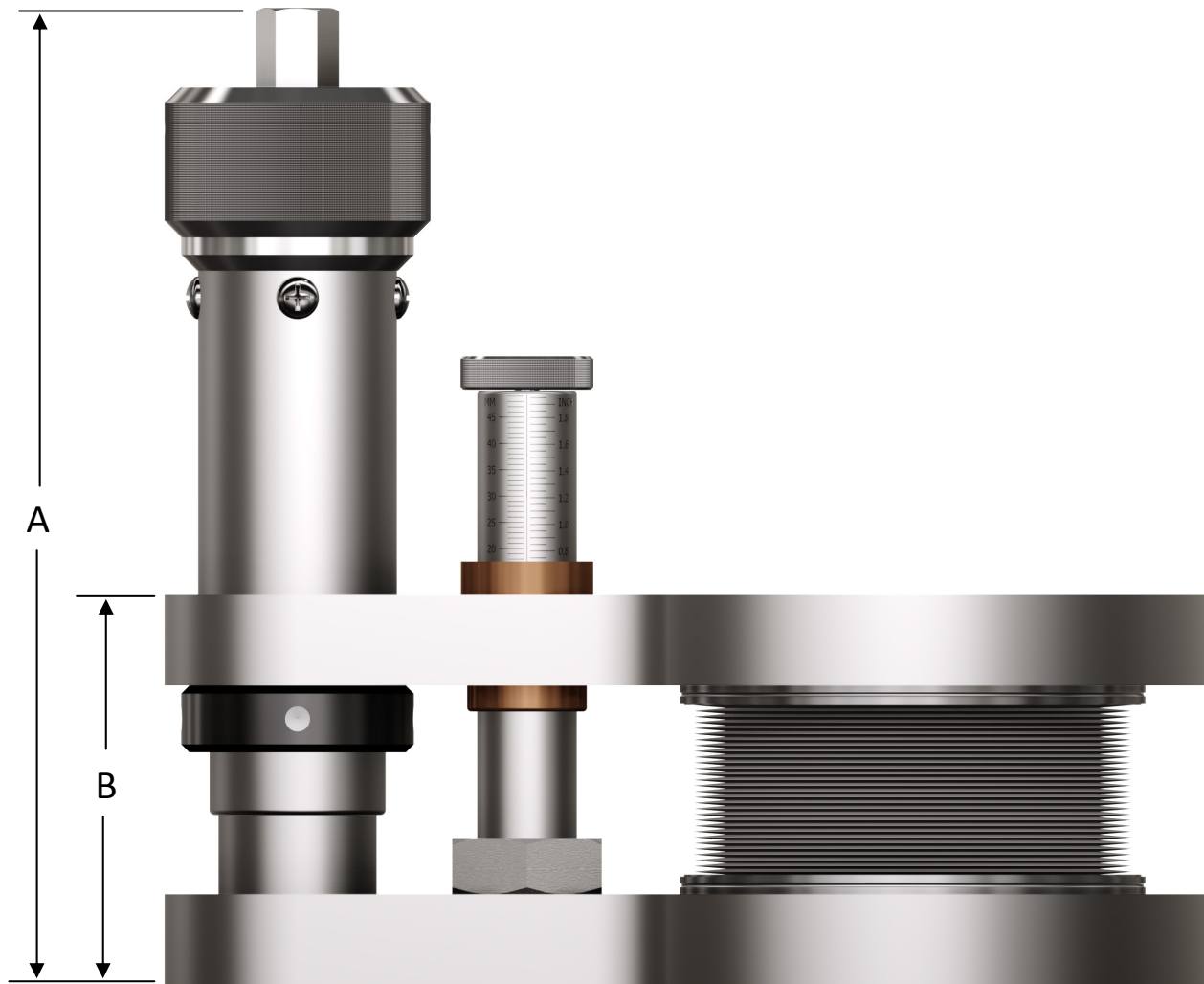
**Specifications**

**Sealing Mechanism:** Welded Bellows  
**Bakeout Temperature:** 300°C (Bellows only)  
**Operating Temp:** -20° to 230°C  
**Pressure Range:** Atmosphere To 1 x 10<sup>-11</sup> Torr

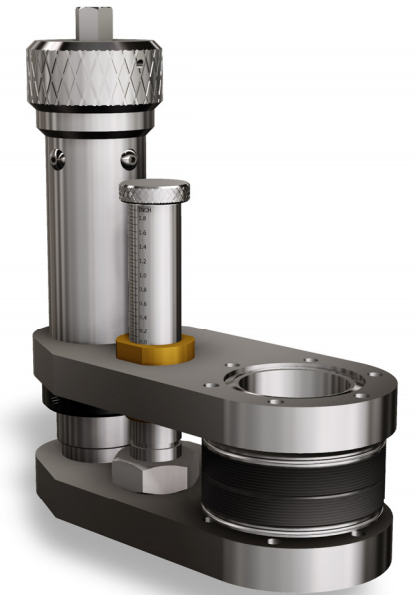
**Compact Z-Axis Manipulator**

Huntington's compact Z-axis series of manipulators allow for installations with limited space. Featuring a smaller outline and simplified designs these manipulators are simple, rugged and cost-effective. Compact manipulators feature 2 3/4" or 4 1/2" VAC-U-FLANGE® mounting in stroke lengths from 1 to 4". Operation is via a hand knob or 1/2" hex driver with visual positioning using an engraved scale. Edge welded stainless steel bellows and tapped VAC-U-FLANGES® create a robust envelope.

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CMZ-275 SERIES



CMZ-450 SERIES

Dimensions: inches (mm)

**COMPACT Z-AXIS MANIPULATOR - VAC-U-FLANGE® (CF)**

FLANGE OD	STROKE	MINIMUM HEIGHT "A"	MINIMUM HEIGHT "B"	C	D	E	WEIGHT (lbs.)	PART NUMBER
2 3/4"	1.0	8.71	2.20	6.33	3.00	1.74	8.0	CMZ-275-1
	2.0	8.71	2.20	6.33	3.00	1.74	9.0	CMZ-275-2
	4.0	11.32	2.95	6.33	3.00	1.74	11.0	CMZ-275-4
4 1/2"	1.0	8.71	2.20	7.87	3.63	2.40	8.0	CMZ-450-1
	2.0	8.71	2.20	7.87	3.63	2.40	9.0	CMZ-450-2
	4.0	11.32	2.95	7.87	3.63	2.40	11.0	CMZ-450-4

*Other options available.*  
 For quotes, please call 800-227-8059  
 or visit our website at [www.huntvac.com](http://www.huntvac.com).  
 Email: [vacman@huntvac.com](mailto:vacman@huntvac.com)

		13355 NEVADA CITY AVENUE GRASS VALLEY, CA. 95945
<b>Z-AXIS MANIPULATOR,                  COMPACT DESIGN W/SCALE</b>		
<b>B</b>	DWG. NO. <b>CMZ-XXX-X OUTLINE</b>	REV. <b>-</b>
SCALE: NO SCALE	SHEET: 1	OF 1