

CDA SERIES

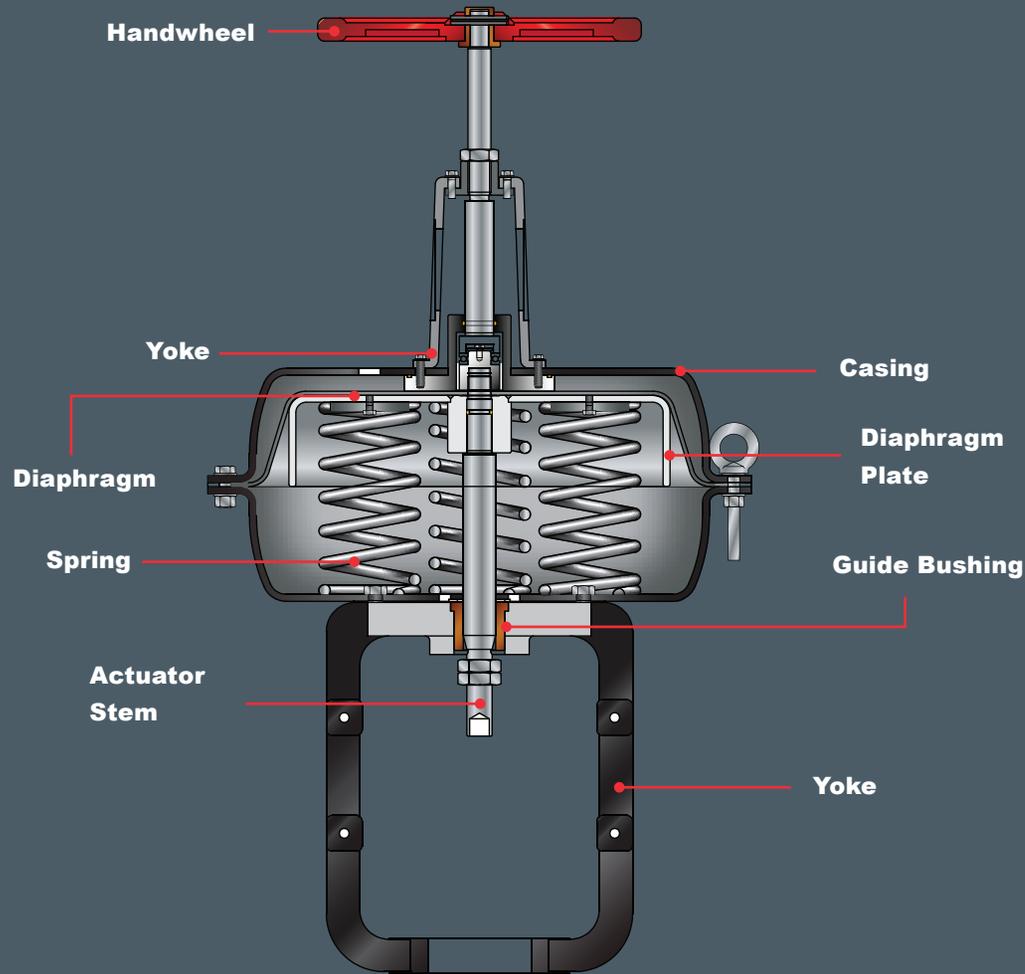
Diaphragm Actuator

Designed & engineered for severe service applications

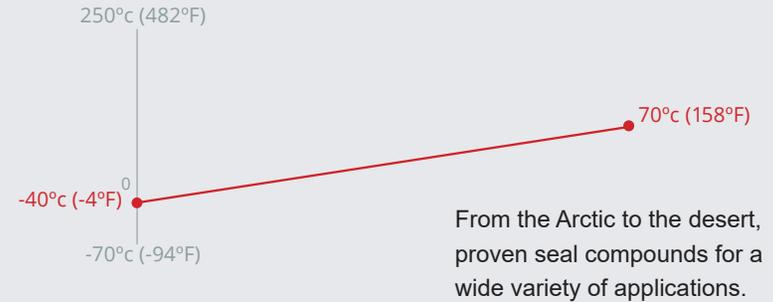
- Thrusts up to 13,000 lbs
- Direct or Reverse Acting Styles
- Fail-Close or Fail-Open



Design



Specifications

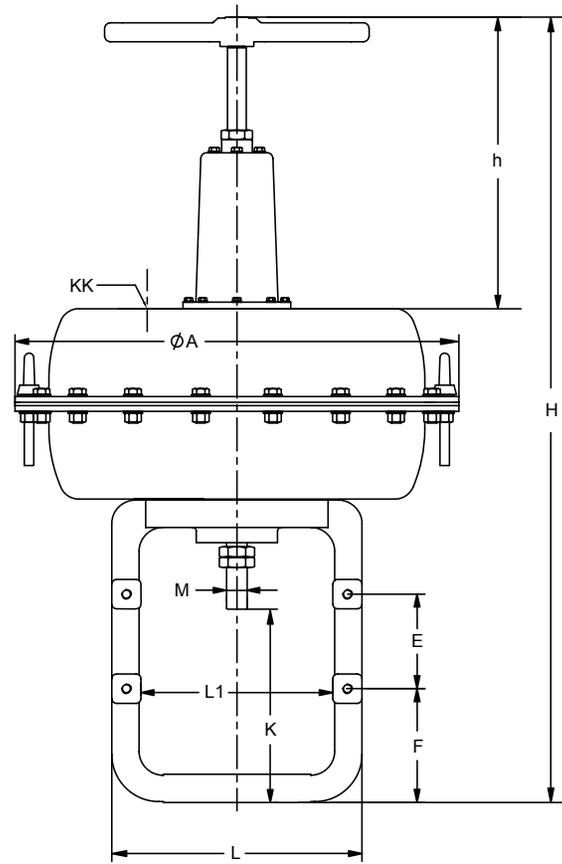


- Effective Diaphragm Area: up to 217 in²
- Thrust: up to 13,000 lbs
- Stroke: up to 4.00"
- Pressure Rating: up to 60psi
- An adjusting mechanism is incorporated into the actuator design to allow for adjustment of the spring pre-compression
- Excellent repeatability: tested to over 400,000 cycles without loss of precision!
- Outputs repeatable thrust force
- Extended service life
- Nested spring design to maintain compactness



Actuator Dimensions

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Actuator Dimensions (in)											Weight	
Fail Open	Fail Close	A	H	h	L	L1	E	F	K	KK	M	(lbs)
CDA-FO-10H	CDA-FC-10H	11.22	20.32	8.60	6.38	4.80	3.15	1.97	4.25	3/8-18 NPT	M16x1.5	46.4
CDA-FO-15H	CDA-FC-15H	14.17	23.37	8.50	7.56	5.51	3.54	3.43	6.14	3/8-18 NPT	M20x1.5	68.4
CDA-FO-25H	CDA-FC-25H	18.50	32.72	12.15	10.43	7.99	3.94	4.76	8.05	1/2-14 NPT	M22x1.5	170
CDA-FO-40H	CDA-FC-40H	22.83	43.58	15.14	11.97	9.13	3.94	6.02	10.67	1/2-14 NPT	M30x2	379.7

Parameter				
Fail Open	Fail Close	Effective Area Diaphragm (in ²)	Rated Stroke (in)	Spring Range (psi)
CDA-FO-10 CDA-FO-10H	CDA-FC-10 CDA-FC-10H	54.3	0.98	11.5 ~ 34.5
CDA-FO-15 CDA-FO-15H	CDA-FC-15 CDA-FC-15H	86.8	1.57	11.5 ~ 34.5
CDA-FO-25 CDA-FO-25H	CDA-FC-25 CDA-FC-25H	139.5	2.36	11.5 ~ 34.5
CDA-FO-40 CDA-FO-40H	CDA-FC-40 CDA-FC-40H	217	3.94	11.5 ~ 34.5

Related materials

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