VANZANDT™ CONTROLS, LLC
Eagle AUTOMATION

VZ LIFTER™

The VZ LIFTER™ allows the rotary actuator to operate a linear valve. This lowers costs, provides flexibilty for actuator brands, and simplifies operations and maintenance.







CORPORATE
Ft. Worth, TX
791 Westport Parkway
Ft. Worth, TX 76177
(888) 649-4283

Midland, TX
1601 Idlewilde
Midland, TX 79703
(432) 689-4321

Odessa, TX
13409 W. County Rd. 132
Odessa, TX 79765
(432) 242-8000

Canyon, TX
700 Hwy. 60
Canyon, TX 79015
(806) 655-9367

Houston, TX
4714 Vista Road
Pasadena, TX 77505
(832) 821-7333

San Antonio, TX
3031 Interstate Drive
San Antonio, TX 78219
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Longview, TX
902 Pierce Lane
Longview, TX 75604
(817) 771-1636

Carlsbad, NM
1506 Airway Drive
Carlsbad, NM 88220
(575) 717-0210

Hobbs, NM
905 North Grimes St.
Hobbs, NM 88240
(575) 942-2671

Farmington, NM
17 County Rd. 350
Flora Vista, NM 87415
(505) 334-4343

Tulsa, OK
8278 South Regency Dr.
Tulsa, OK 74131
(918) 216-1058

Greeley, CO
2234 117th Ave., Ste 108
Greeley, CO 80634
(720) 345-0150

Rifle, CO
1581 Enterprise Ct.
Rifle, CO 81650
(970) 625-1525

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MAXIMUM STROKE LENGTH

Lifter Model	Stroke Length
Mini Lifter	1.5"
Normal Lifter	3.0"
HD Lifter	3.0"

TORQUE INPUT TO LIFTING FORCE RATIO

Lifter Model	Ratio	
Mini Lifter	1.2	Lifting Force (lb-force)
Normal Lifter	1.2	= Ratio x Torque input
HD Lifter	1.0	(in-lb)

MAXIMUM LIFTING FORCE

Lifter Model	Lifting Force
Mini Lifter	4,000 lb-force
Normal Lifter	4,250 lb-force
HD Lifter	10,000 lb-force

MAXIMUM TORQUE INPUT

Lifter Model	Torque Input	Torque Input
Mini Lifter	3,333 in-lb	278 ft-lb
Normal Lifter	3,540 in-lb	295 ft-lb
HD Lifter	10,000 in-lb	1,200 ft-lb



VZ Lifter

For more details, go to:
vzlifter.com

To purchase, go to:
shopvzcontrols.com

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MINI LIFTER - TRAVEL SPECIFICATIONS

Degrees Input	Travel
0 Degrees	0.00"
30 Degrees	0.36"
45 Degrees	0.54"
60 Degrees	0.72"
90 Degrees	1.08"
125 Degrees	1.50"

MINI LIFTER - TRAVEL SPECIFICATIONS

Degrees Input	Travel
0 Degrees	0.00"
30 Degrees	0.36"
45 Degrees	0.54"
60 Degrees	0.72"
90 Degrees	1.08"
125 Degrees	1.50"
150 Degrees	1.80"
180 Degrees	2.17"
250 Degrees	3.00"

MINI LIFTER - TRAVEL SPECIFICATIONS

Degrees Input	Travel
0 Degrees	0.00"
30 Degrees	0.36"
45 Degrees	0.54"
60 Degrees	0.72"
90 Degrees	1.08"
125 Degrees	1.50"
150 Degrees	1.80"
180 Degrees	2.17"
250 Degrees	3.00"



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NORMAL LIFTER EXAMPLES

Actuator Make	Actuator Model	Max Travel	Max lbs. Force
VALVCON	600 in-lbs	3"	720
VALVCON	1.000 in-lbs	3"	1,200
VALVCON	3.000 in-lbs	3"	3,600

HD LIFTER EXAMPLES

Actuator Make	Output Torque	Max Travel	Max lbs. Force
VALVCON	3,000 in-lbs	3"	3,000
VALVCON w/gear box	7,500 in-lbs	3"	7,500
VZTORQUE	5,310 in-lbs	3"	5,310
VZTORQUE	8,850 in-lbs	3"	8,850

FISHER CONTROL VALVES EXAMPLES

		Lbs. Force Per ANSI Class		
FISHER	TRAVEL	150	300	600
1"	3/4"	273	378	520
1 1/2"	3/4"	361	493	677
2"	1 1/8"	457	605	839
2 1/2"	1 1/2"	548	728	1,011
3"	1 1/2"	636	843	1,168
4"	2"	785	1,042	1,444
6"	2"	2,166	2,579	3,256



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KIMRAY - VZ TORQUE™ EXAMPLES

1"	443 LB MAX THRUST	VZT-442
2"	1,031 LB MAX THRUST	VZT-885
3"	817 LB MAX THRUST	VZT-885
4"	817 LB MAX THRUST	VZT360-2655

KIMRAY - VALVCON EXAMPLES

1"	443 LB MAX THRUST	ADC 600
2"	1,031 LB MAX THRUST	LADC 1000
3"	817 LB MAX THRUST	LADC 1000 W/180 GEAR
4"	817 LB MAX THRUST	LADC 1000 W/180 GEAR
6-10"	1419 LB MAX THRUST	LADC 3000 W/180 GEAR



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