



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



For more details go to:
www.vzlifter.com

To purchase go to:
www.shopvzcontrols.com



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MAXIMUM STROKE LENGTH

<u>Lifter Model</u>	<u>Stroke Length</u>
Mini Lifter	1.5"
Normal Lifter	3.0"
HD Lifter	3.0"

TORQUE INPUT TO LIFTING FORCE RATIO

<u>Lifter Model</u>	<u>Ratio</u>	Lifting Force (lb-force) = Ratio x Torque Input (in-lb)
Mini Lifter	1.2	
Normal Lifter	1.2	
HD Lifter	0.7	

MAXIMUM LIFTING FORCE

<u>Lifter Model</u>	<u>Lifting Force</u>
Mini Lifter	4,000 lb-force
Normal Lifter	4,250 lb-force
HD Lifter	10,000 lb-force

MAXIMUM TORQUE INPUT

<u>Lifter Model</u>	<u>Torque Input</u>	<u>Torque Input</u>
Mini Lifter	3,333 in-lb	278 ft-lb
Normal Lifter	3,540 in-lb	295 ft-lb
HD Lifter	14,286 in-lb	1190 ft-lb



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MINI LIFTER --TRAVEL SPECIFICATIONS

<u>Degrees Input</u>	<u>Travel</u>
0 Degrees	0.00"
30 Degrees	0.50"
45 Degrees	0.75"
60 Degrees	1.00"
90 Degrees	1.50"

NORMAL LIFTER --TRAVEL SPECIFICATIONS

<u>Degrees Input</u>	<u>Travel</u>
0 Degrees	0.00"
30 Degrees	0.50"
45 Degrees	0.75"
60 Degrees	1.00"
90 Degrees	1.50"
120 Degrees	2.00"
135 Degrees	2.25"
150 Degrees	2.50"
180 Degrees	3.00"

HD LIFTER --TRAVEL SPECIFICATIONS

<u>Degrees Input</u>	<u>Travel</u>
0 Degrees	0.00"
30 Degrees	0.50"
45 Degrees	0.75"
60 Degrees	1.00"
90 Degrees	1.50"
120 Degrees	2.00"
135 Degrees	2.25"
150 Degrees	2.50"
180 Degrees	3.00"



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NORMAL LIFTER EXAMPLES

ACTUATOR MAKE	ACTUATOR MODEL	MAX TRAVEL	MAX LBS. FORCE
VALVCON	600	3"	450
VALVCON	1000	3"	1,200
VALVCON	3000	3"	4,250

HD LIFTER EXAMPLES

ACTUATOR MAKE	ACTUATOR MODEL	MAX TRAVEL	MAX LBS. FORCE
VALVCON	3000	3"	4,800
VALVCON W/GEAR BOX	3000	3"	8,000
TRIAC	6900	3"	7,200
TRIAC	10,500	3"	8,000

FISHER CONTROL VALVES EXAMPLES

FISHER	TRAVEL	LBS. FORCE PER ANSI CLASS		
		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(TM) EXAMPLES

1"	443 LB MAX THRUST	VZT-442
2"	1031 LB MAX THRUST	VZT-885
3"	817 LB MAX THRUST	VZT-885

KIMRAY -- VALVCON EXAMPLES

1"	443 LB MAX THRUST	ADC 600
2"	1031 LB MAX THRUST	LADC 1000
3"	817 LB MAX THRUST	LADC 1000
4"	817 LB MAX THRUST	LADC 1000
6-10"	1419 LB MAX THRUST	LADC 3000



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