

ELGER CONTROLS PNEUMATIC ACTUATOR SELECTION FOR L&T BALL VALVE (1 PIECE DESIGN)



L&T BALL VALVE 1P #150 10/20 BAR									
VALVE SIZE	BORE	Torque values Nm	TORQUE WITH FOS	Pneumatic Actuator Double Acting @4.0 BAR	Pneumatic Actuator Double Acting @5.0 BAR	Pneumatic Actuator Double Acting @6.0 BAR	Pneumatic Single Acting @ 4.0 BAR	Pneumatic Single Acting @5.0 BAR	Pneumatic Single Acting @6.0 BAR
DN 15	FB	5.0	6.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
DN 20	RB	5.0	6.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
DN 25	RB	10.0	13.0	EPD 52	EPD 52	EPD 52	EPS 63	EPS 63	EPS 52
DN 40	RB	16.0	20.8	EPD 63	EPD 52	EPD 52	EPS 75	EPS 75	EPS 75
DN 50	RB	26.0	33.8	EPD 75	EPD 63	EPD 63	EPS 92	EPS 83	EPS 83
DN 65	RB	42.0	54.6	EPD 83	EPD 75	EPD 75	EPS 105	EPS 92	EPS 92
DN 80	RB	80.0	104.0	EPD 105	EPD 92	EPD 92	EPS 125	EPS 125	EPS 125
DN 100	RB	140.0	182.0	EPD 125	EPD 105	EPD 105	EPS 160	EPS 140	EPS 140
DN 150	RB	160.0	208.0	EPD 125	EPD 125	EPD 105	EPS 160	EPS 160	EPS 140

Note:

- 1 The above selection is subjected to previous reference only
- 2 Mounting bracket and reducer charges has to be consider extra from the actuator price
- 3 Kindly select the actuator based on supply air pressure only
- 4 The above selection has considered 25 to 30% safety factor on the basic valve torque

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ELGER CONTROLS PNEUMATIC ACTUATOR SELECTION FOR L&T BALL VALVE (1 PIECE DESIGN)



L&T BALL VALVE 1P #300 25/50 BAR									
VALVE SIZE	BORE	Torque values Nm	TORQUE WITH FOS	Pneumatic Actuator Double Acting @4.0 BAR	Pneumatic Actuator Double Acting @5.0 BAR	Pneumatic Actuator Double Acting @6.0 BAR	Pneumatic Single Acting @ 4.0 BAR	Pneumatic Single Acting @5.0 BAR	Pneumatic Single Acting @6.0 BAR
DN 15	FB	5.0	6.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
DN 20	RB	5.0	6.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
DN 25	RB	12.0	15.6	EPD 52	EPD 52	EPD 52	EPS 63	EPS 63	EPS 52
DN 40	RB	18.0	23.4	EPD 63	EPD 63	EPD 52	EPS 75	EPS 75	EPS 75
DN 50	RB	32.0	41.6	EPD 75	EPD 75	EPD 63	EPS 92	EPS 83	EPS 83
DN 65	RB	50.0	65.0	EPD 83	EPD 75	EPD 75	EPS 105	EPS 105	EPS 92
DN 80	RB	95.0	123.5	EPD 105	EPD 105	EPD 92	EPS 140	EPS 125	EPS 125
DN 100	RB	150.0	195.0	EPD 125	EPD 125	EPD 105	EPS 160	EPS 140	EPS 140
DN 150	RB	180.0	234.0	EPD 125	EPD 125	EPD 125	EPS 160	EPS 160	EPS 140

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ELGER CONTROLS PNEUMATIC ACTUATOR SELECTION FOR L&T BALL VALVE (2 PIECE DESIGN)



L&T BALL VALVE 2P #150 10/20 BAR									
VALVE SIZE	BORE	Torque values Nm	TORQUE WITH FOS	Pneumatic Actuator Double Acting @4.0 BAR	Pneumatic Actuator Double Acting @5.0 BAR	Pneumatic Actuator Double Acting @6.0 BAR	Pneumatic Single Acting @ 4.0 BAR	Pneumatic Single Acting @5.0 BAR	Pneumatic Single Acting @6.0 BAR
DN 15	FB	9.0	11.7	EPD 52	EPD 52	EPD 40	EPS 63	EPS 63	EPS 63
DN 20	FB	9.0	11.7	EPD 52	EPD 52	EPD 40	EPS 63	EPS 63	EPS 63
DN 25	FB	11.0	14.3	EPD 52	EPD 52	EPD 52	EPS 63	EPS 63	EPS 63
DN 40	FB	22.0	28.6	EPD 63	EPD 63	EPD 63	EPS 83	EPS 83	EPS 75
DN 50	FB	60.0	78.0	EPD 92	EPD 83	EPD 75	EPS 105	EPS 105	EPS 105
DN 65	FB	80.0	104.0	EPD 92	EPD 92	EPD 83	EPS 125	EPS 125	EPS 125
DN 80	FB	140.0	182.0	EPD 125	EPD 105	EPD 105	EPS 140	EPS 140	EPS 140
DN 100	FB	160.0	208.0	EPD 125	EPD 125	EPD 105	EPS 160	EPS 140	EPS 140
DN 150	FB	230.0	299.0	EPD 140	EPD 125	EPD 125	EPS 190	EPS 160	EPS 160
DN 200	FB	580.0	754.0	EPD 190	EPD 160	EPD 160	EPS 270	EPS 240	EPS 210

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ELGER CONTROLS PNEUMATIC ACTUATOR SELECTION FOR L&T BALL VALVE (2 PIECE DESIGN)



L&T BALL VALVE 2P #300 25 BAR									
VALVE SIZE	BORE	Torque values Nm	TORQUE WITH FOS	Pneumatic Actuator Double Acting @4.0 BAR	Pneumatic Actuator Double Acting @5.0 BAR	Pneumatic Actuator Double Acting @6.0 BAR	Pneumatic Single Acting @ 4.0 BAR	Pneumatic Single Acting @5.0 BAR	Pneumatic Single Acting @6.0 BAR
DN 15	FB	9.0	11.7	EPD 52	EPD 52	EPD 40	EPS 63	EPS 63	EPS 63
DN 20	FB	9.0	11.7	EPD 52	EPD 52	EPD 40	EPS 63	EPS 63	EPS 63
DN 25	FB	13.0	16.9	EPD 52	EPD 52	EPD 52	EPS 75	EPS 63	EPS 63
DN 40	FB	25.0	32.5	EPD 63	EPD 63	EPD 63	EPS 83	EPS 83	EPS 83
DN 50	FB	65.0	84.5	EPD 92	EPD 83	EPD 83	EPS 125	EPS 105	EPS 105
DN 65	FB	90.0	117.0	EPD 105	EPD 92	EPD 92	EPS 140	EPS 125	EPS 125
DN 80	FB	160.0	208.0	EPD 125	EPD 125	EPD 105	EPS 160	EPS 160	EPS 140
DN 100	FB	175.0	227.5	EPD 140	EPD 125	EPD 125	EPS 160	EPS 160	EPS 160
DN 150	FB	280.0	364.0	EPD 140	EPD 140	EPD 125	EPS 190	EPS 190	EPS 190
DN 200	FB	690.0	897.0	EPD 190	EPD 190	EPD 160	EPS 270	EPS 240	EPS 240

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ELGER CONTROLS PNEUMATIC ACTUATOR SELECTION FOR L&T BALL VALVE (3 PIECE DESIGN)



L&T BALL VALVE 3P-10 BAR									
VALVE SIZE	BORE	Torque values Nm	TORQUE WITH FOS	Pneumatic Actuator Double Acting @4.0 BAR	Pneumatic Actuator Double Acting @5.0 BAR	Pneumatic Actuator Double Acting @6.0 BAR	Pneumatic Single Acting @ 4.0 BAR	Pneumatic Single Acting @5.0 BAR	Pneumatic Single Acting @6.0 BAR
DN 8	FB	5.0	6.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
	RB	5.0	6.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
DN 10	FB	5.0	6.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
	RB	5.0	6.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
DN 15	FB	5.0	6.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
	RB	5.0	6.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
DN 20	FB	8.0	10.4	EPD 52	EPD 52	EPD 40	EPS 63	EPS 63	EPS 63
	RB	5.0	6.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
DN 25	FB	9.0	11.7	EPD 52	EPD 52	EPD 40	EPS 63	EPS 63	EPS 63
	RB	8.0	10.4	EPD 52	EPD 52	EPD 40	EPS 63	EPS 63	EPS 63
DN 32	FB	16.0	20.8	EPD 63	EPD 52	EPD 52	EPS 75	EPS 75	EPS 75
	RB	9.0	11.7	EPD 52	EPD 52	EPD 40	EPS 63	EPS 63	EPS 63
DN 40	FB	16.0	20.8	EPD 63	EPD 52	EPD 52	EPS 75	EPS 75	EPS 75
	RB	13.0	16.9	EPD 52	EPD 52	EPD 52	EPS 75	EPS 75	EPS 63
DN 50	FB	24.0	31.2	EPD 63	EPD 63	EPD 63	EPS 83	EPS 83	EPS 83
	RB	16.0	20.8	EPD 63	EPD 52	EPD 52	EPS 75	EPS 75	EPS 75

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ELGER CONTROLS PNEUMATIC ACTUATOR SELECTION FOR L&T BALL VALVE (3 PIECE DESIGN)



L&T BALL VALVE 3P-69 BAR									
VALVE SIZE	BORE	Torque values Nm	TORQUE WITH FOS	Pneumatic Actuator Double Acting @4.0 BAR	Pneumatic Actuator Double Acting @5.0 BAR	Pneumatic Actuator Double Acting @6.0 BAR	Pneumatic Single Acting @ 4.0 BAR	Pneumatic Single Acting @5.0 BAR	Pneumatic Single Acting @6.0 BAR
DN 8	FB	6.5	6.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
	RB	6.5	8.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
DN 10	FB	6.5	8.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
	RB	6.5	8.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
DN 15	FB	6.5	8.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
	RB	6.5	8.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
DN 20	FB	9.0	11.7	EPD 52	EPD 52	EPD 40	EPS 63	EPS 63	EPS 63
	RB	6.5	8.5	EPD 40	EPD 40	EPD 40	EPS 52	EPS 52	EPS 52
DN 25	FB	11.0	14.3	EPD 52	EPD 52	EPD 52	EPS 75	EPS 63	EPS 63
	RB	9.0	11.7	EPD 52	EPD 52	EPD 40	EPS 63	EPS 63	EPS 63
DN 32	FB	30.0	39.0	EPD 75	EPD 75	EPD 63	EPS 92	EPS 92	EPS 83
	RB	16.0	20.8	EPD 63	EPD 63	EPD 52	EPS 83	EPS 75	EPS 75
DN 40	FB	34.0	44.2	EPD 75	EPD 75	EPD 63	EPS 92	EPS 92	EPS 92
	RB	13.0	16.9	EPD 52	EPD 52	EPD 52	EPS 75	EPS 75	EPS 75
DN 50	FB	44.0	57.2	EPD 75	EPD 75	EPD 75	EPS 105	EPS 92	EPS 92
	RB	34	44.2	EPD 75	EPD 75	EPD 63	EPS 92	EPS 92	EPS 92

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ELGER CONTROLS PNEUMATIC ACTUATOR SELECTION FOR L&T BALL VALVE (3 PIECE DESIGN)



L&T BALL VALVE 3P-103 BAR									
VALVE SIZE	BORE	Torque values Nm	TORQUE WITH FOS	Pneumatic Actuator Double Acting @4.0 BAR	Pneumatic Actuator Double Acting @5.0 BAR	Pneumatic Actuator Double Acting @6.0 BAR	Pneumatic Single Acting @ 4.0 BAR	Pneumatic Single Acting @5.0 BAR	Pneumatic Single Acting @6.0 BAR
DN 8	FB	8.0	10.4	EPD 52	EPD 40	EPD 40	EPS 63	EPS 52	EPS 52
	RB	8.0	10.4	EPD 52	EPD 40	EPD 40	EPS 63	EPS 52	EPS 52
DN 10	FB	8.0	10.4	EPD 52	EPD 40	EPD 40	EPS 63	EPS 52	EPS 52
	RB	8.0	10.4	EPD 52	EPD 40	EPD 40	EPS 63	EPS 52	EPS 52
DN 15	FB	8.0	10.4	EPD 52	EPD 40	EPD 40	EPS 63	EPS 52	EPS 52
	RB	8.0	10.4	EPD 52	EPD 40	EPD 40	EPS 63	EPS 52	EPS 52
DN 20	FB	13.0	16.9	EPD 52	EPD 52	EPD 52	EPS 75	EPS 63	EPS 63
	RB	8.0	10.4	EPD 52	EPD 40	EPD 40	EPS 63	EPS 52	EPS 52
DN 25	FB	16.0	20.8	EPD 63	EPD 52	EPD 52	EPS 75	EPS 63	EPS 63
	RB	13.0	16.9	EPD 52	EPD 52	EPD 52	EPS 75	EPS 63	EPS 63
DN 32	FB	34.0	44.2	EPD 75	EPD 75	EPD 63	EPS 92	EPS 92	EPS 83
	RB	21.0	27.3	EPD 63	EPD 63	EPD 52	EPS 83	EPS 83	EPS 75
DN 40	FB	38.0	49.4	EPD 75	EPD 75	EPD 63	EPS 105	EPS 92	EPS 92
	RB	28.0	36.4	EPD 75	EPD 63	EPD 63	EPS 92	EPS 83	EPS 83
DN 50	FB	54.0	70.2	EPD 83	EPD 75	EPD 75	EPS 105	EPS 105	EPS 105
	RB	40.0	52.0	EPD 75	EPD 75	EPD 63	EPS 105	EPS 92	EPS 92

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