

Everyvalve LTD
Electric - Pneumatic Actuation
 Page 38

Electric 90/180 Degree Turn
 Suitable for:- 2/3 Way Ball, Butterfly & Plug Valves where remote operation is required. The size of the actuator is important to cover the needs of the valve under the stress that is likely to be encountered in the worst condition of service line pressure to be used and the natural stiffness of opening and closing of a valve, even after prolonged lack of use. It is wise to operate valves regularly. Prices of Valve and fixings need to be added to the actuators.



Electric Actuator HQ4 To HQ6 Electric Actuator HQ8 To HQ 300 Electric Actuator EL300

Ref	Torque N/METER	TIME SECOND	WEIGHT KG	AMPS @ 240V/60HZ	MANUAL OVERRIDE	240 V	110V	3 PHASE	PRICE £
HQ 4	40	12	3	0.19	*	*	*	-	£160.00
HQ 6	60	12	3	0.19	*	*	*	*	£210.00
HQ 8	80	13	7.4	0.55	*	*	*	*	£360.00
HQ 15	150	21	16.6	0.88	*	*	*	*	£450.00
HQ 20	200	21	16.6	0.89	*	*	*	*	£510.00
HQ 30	300	26	22	0.92	*	*	*	*	£575.00
HQ 40	400	-	-	-	-	-	-	-	None
HQ 60	600	26	23	0.60	*	*	*	*	£660.00
HQ 80	800	28	29	2.15	*	*	*	*	£800.00
HQ 120	1200	28	29	2.35	*	*	*	*	£1000.00
HQ200	2000	93	75	2.15	*	*	*	*	tba
HQ300	3000	93	75	2.35	*	*	*	*	tba
-	-	-	-	Amps12v	-	12Vdc	24Vdc	-	-
EL300	35	12	1.6	0.6	*	*	*	*	£200.00

To find 380v amperage * .58. Larger sizes, other voltages, speeds & Tourques available. & = Non Standard Design * = available. Regular dry running of low use applications is essential.

Spring Return Versions
 15 NM to 400 NM available IP42 to 65 also

Multi Turn Versions
 Used for linear operation of Gate, Globe & Diaphragm valves Torque & Limit Travel switches are fitted as standard plus other features as indicated for the quarter turn versions.

Ref.	Torque N/meters	Speed RPM	Weight Kgs	Manual Override	240v	110v	3 Phase
A	40-150	3-121	11	*	*	*	*
B	50-400	2-190	25	*	*	*	*
B1	100-500	5-118	32	*	*	*	*
C3	300-800	8-155	72	*	*	*	*
D1	700-1400	5-85	155	*	*	*	*
E1	1000-2700	6-100	240	*	*	*	*

Positioning 4-20 M/amps or 1-10v dc Control. This facility can be on slow turning versions of the above and are quoted upon request.

Pneumatic 90 Degree Operation
 Suitable for:- 2/3 Way Ball, Butterfly & Plug Valves where remote operation is required. The size of the actuator is important to cover the needs of the valve under the stress that is likely to be encountered in the worst condition of service line pressure to be used and the natural stiffness of opening and closing of a valve, even after prolonged lack of use. It is wise to operate valves regularly. Three way ball bottom entry ball valves require the ball plug machined at right angles so as take advantage of the 90 degree rotation. Bodies are anodised aluminium & are of simple neat design with spares available. Use clean filtered air always and restrictors for controlling speed of operation. Prices of Valve and fixings need to be added to the actuators.



Pneumatic Actuator Limit SwitchBox IP67

Ref.	Torque Nm.D/A	Torque Nm S/A	Wt. Kgs	Indi cator	Manau Override	Limit Box +	D/Act £	S/Act £
CH032	6.9	-	0.42	*	*	£45.00	£63.00	-
CH050	16.95	5.8	1.07	*	*	£45.00	£77.00	£81.20
CH063	19.6	10.4	1.60	*	*	£45.00	£95.20	£95.20
CH075	64.3	21.1	2.90	*	*	£45.00	£123.20	£126.00
CH085	70.0	31.5	3.30	*	*	£45.00	£154.00	£162.40
CH100	152.0	50.0	5.80	*	*	£45.00	£183.40	£201.60
CH115	251.0	88.3	9.20	*	*	£45.00	£238.00	£274.40
CH125	331.0	106.3	11.90	*	*	£45.00	£294.00	£333.20
CH160	650.0	221.1	20.00	*	*	£45.00	£504.00	£593.60
CH200	1220.0	403.4	20.91	*	*	£45.00	£963.20	£1,150.80

Namur Solenoid Valve with bolts for above + £40.00 all voltages.

Torque figures based on 80 psi air supply pressure.
 Economy assemblies of valves are available see pages 17 & 9
 (Same approx figure applies to basic electric actuator mounting)
 Weight is for Double Acting Type. Single acting weigh & cost more.

Spring Return:- Normally Closed (NC) or Normally Open (NO) units are designated with 'SR' suffix. Mounting of this option is directly within the ends of the standard actuator...

Torque figures must be halved, to those given when sizing valve because of the spring. Note must be made that there is a difference between figures of the start & finish of rotation torque. Figures above show figures at the end of travel.. End of stroke travel adjustment is standard on basic actuator.

Limit Box:- Two switches (SPDT) are fitted into this polycarbonate box that conforms to IP66 spec. Adjustable end of travel cams are adjustable with the V3 switches. 10ap switching at 240 volts. Units are suffixed '004' on the main reference. Units are mounted on top of double acting or single acting versions with standard fixings. Single cable entry M20 * 1.4mm connection is standard. Other switch systems available.

Positioner:- 3-15 lbs/ins proportional signal control controls the amount of opening of the actuator over the same degree on its turning arc. Body is Epoxy coated AL with bronze and stainless inners. Diaphragm is in moulded rubber. Adjustment to range & zero is standard. Special limit range cams available. 4-20mA IP converters can be supplied to adapt to pneumatics. Air consumption at 5.5 bars is 14 l/M. Sensitivity = 7 millibars

General:- All of the above can be mounted together to all the combined functions. Some applications may suit other units.