

PNEUMATIC ACTUATORS:

EL-O-Matic Pneumatic actuators are powerful and compact double rack and pinion units for use with ball, butterfly and plug valves and any device requiring accurate and dependable quarter turn rotary motion.

The use of high grade steel and aluminium components together with EL-O-Matic's patented 3 point piston support provides a tough reliable unit for the automation of today's high performance industrial valves. Modern synthetic bearings ensure no metallic contact between moving components.

Spring return actuators incorporate the multiple spring concept for maximum flexibility, they are also "field reverseable". Safety features include an anti-blow out spindle and a spring retaining system which ensures no spring tension on disassembly.

A wide range of control options are available to cover each and every industrial application.

'E' Series actuators incorporate a body of cast aluminium and have pistons where the rack teeth are precision machined onto the aluminium casting. Spring return versions have a maximum of 6 springs, 3 in each end cap assembled as a concentric stack.

'P' Series actuators cover the large end of the torque range. These all incorporate a body of cast aluminium and have steel for the rack on pinion drive. Spring return versions have a maximum of 14 springs 7 in each end cap assembled within a hexagon pattern.

All actuators have mounting flanges and drives to ISO 5211. Mounting kits can be provided for most of the worlds quarter turn valves.

OPTIONS

- Double Acting Actuator
- Single Acting Actuator
- Actuator with steel housing
- Actuator with 180° rotation
- Three position Actuator
- Limit stops in the end caps
- Limit stop with Limit stop plate
- Actuator with $\pm 3^\circ$ extra travel

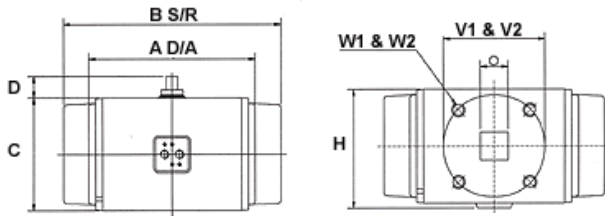
SPECIFICATIONS:

Pressure	: Upto 8 bar	Finish	: Two coat polyurethane
Temperature	: -20° to 80°C	Rotation (Standard)	: Counter clockwise to open with port 'A' pressurised Spring return Actuators air fail to close clockwise
Media	: Air (dry or lubricated) Non-corrosive gas or light hydraulic oil	Movement(Standard)	: 91.5° from -0.5° to 91° counter-clockwise
Construction	: Suitable for indoor or outdoor installation	Lubrication	: Factory lubricated for the normal life of Actuators
Material	: Housing - Aluminium Alloy	Life	: 5,00,000 operations minimum
Drive Shaft	: Carbon Steel		

ACTUATOR TORQUE – AT 6 BAR

MODEL	E 12	E 25	E 40	E 100	E 200	E 350	E 600	E 950	E 1600	P 60	P 150	P 280	P 500	P 750	P 1100	P 2500	P 4000		
DA TORQUE(Nm)	14.6	27	51	115	251	436	741	1107	1829	69	174	329	581	864	1274	2935	4955		
SR TORQUE (Nm)	SPRING STROKE	END	10.3	13	25	58	125	206	364	554	907	42	109	195	382	582	834	2086	3240
		START	7.5	4	8	21	41	63	114	174	305	22	65	76	102	217	429	1338	1660
	AIR STROKE	END	7.2	21	40	88	196	347	584	869	1421	44	102	236	448	605	791	1495	3084
		START	4.6	13	25	55	123	223	367	538	897	25	59	120	179	253	396	764	1544

ACTUATOR TORQUE (mm)



Model	A	B	C	D	H	O	V1	V2	W1	W2
E12	103	118	60	20	60	9	42	-	M6x8	-
E25	135	178	81	20	83	11	50	-	M6x9	-
E40	147	204	95	20	97	14	50	70	M6x9	M8x10
E100	176	267	118	20	117	19	50	70	M6x9	M8x10
E200	237	360	143	20	137	22	70	102	M8x10	M10x12
E350	305	387	181	20	182	27	70	102	M8x10	M10x12
E600	387	477	220	30	217	27	102	125	M10x12	M12x15
E950	424	517	259	30	242	36	102	140	M10x12	M16x20
E1600	516	637	297	30	275	46	165	-	M20x25	-
P60	155	184	101	20	110	14	50	70	M6x9	M8x10
P150	186	217	135	20	144	19	70	102	M8x10	M10x12
P280	232	312	160	20	173	22	70	102	M8x10	M10x12
P500	271	352	190	30	206	27	102	125	M10x12	M12x15
P750	285	388	234	30	255	27	102	125	M10x12	M12x15
P1100	340	478	247	30	261	36	140	-	M16x20	-
P2500	380	568	360	30	360	46	165	-	M20x25	-
P4000	498	835	380	30	390	55	165	-	M20x25	-