

AL-SERIES TECHNICAL DATA

ACTUATOR WEIGHTS (LBS.)

MODEL	32	45	52	63	75	83	92	105	125	140	160	190	210	240	270	300	350
DOUBLE ACTING	1.08	2.31	2.43	3.97	4.76	6.28	9.48	13.56	19.40	26.79	44.31	84.00	99.43	138.89	206.79	242.50	411.16
SPRING RETURN	---	2.47	2.71	4.30	5.96	7.10	12.13	16.33	25.40	34.73	50.71	98.77	119.20	171.20	253.53	286.60	516.10

ACTUATOR CYCLE TIME (SECONDS)

MODEL	32	45	52	63	75	83	92	105	125	140	160	200	210	270	300	350
CCW (DA)	0.03	0.03	0.03	0.06	0.12	0.20	0.25	0.30	0.83	0.98	1.15	1.74	2.25	4.50	5.50	7.00
CW (DA)	0.03	0.04	0.04	0.08	0.12	0.19	0.25	0.27	0.66	0.93	1.10	1.70	2.25	4.50	5.50	7.00
CCW (SR)	---	0.09	0.09	0.14	0.22	0.31	0.40	0.44	1.08	1.23	1.75	2.38	2.50	4.50	5.50	7.00
CW (SR)	---	0.09	0.09	0.14	0.22	0.33	0.44	0.46	0.90	0.97	1.34	2.19	4.80	6.20	7.90	9.80

NOTE: ALL CYCLE TIMES ARE DERIVED INDEPENDENTLY OF VALVES AND ACTUATOR ACCESSORIES THAT MIGHT AFFECT OVERALL TIME PERFORMANCE.
CYCLE TIMES ARE BASED ON 80 PSI AIR SUPPLY.

ACTUATOR AIR CONSUMPTION (CUBIC INCHES)

MODEL	32	45	52	63	75	83	105	125	140	160	210	240	270	300	350
CCW (DA & SR)	2.33	5.99	6.59	12.16	16.23	30.21	45.34	106.85	137.91	220.05	348.08	667.94	915.36	1267.89	1898.27
CW (DA)	1.71	8.87	9.38	17.21	20.51	39.53	66.76	148.47	192.84	290.60	599.74	872.63	1086.23	1410.24	2105.72
CW (SR)	---	7.15	7.72	14.22	17.15	32.40	54.37	122.05	146.46	215.11	462.56	798.23	945.87	1287.65	1987.92