

Actuator Weight

Actuator Model	Double Acting		Spring Return Springset N=6	
	lbs	Kg	lbs	Kg
F 12	1.3	0.6	1.5	0.7
F 25	3.1	1.4	3.5	1.6
F 40	4.6	2.1	5.1	2.3
F 65	6.2	2.8	7.3	3.3
F 100	7.7	3.5	9.5	4.3
F 150	10.8	4.9	14.6	6.6
F 200	13.2	6.0	18.3	8.3
F 350	22	10.2	32	14.5
F 600	44	20	57	26
F 950	58	26	89	41
F 1600	91	41	137	62
F 2500	141	64	221	100
F 4000	226	103	325	147

Cycle time in seconds

Actuator Model	Spring Return		Double acting	
	Opening Stroke	Closing Stroke	Opening Stroke	Closing Stroke
F 12	0.4	0.4	0.4	0.4
F 25	0.5	0.4	0.5	0.4
F 40	0.6	0.5	0.6	0.5
F 65	0.7	0.5	0.6	0.6
F 100	0.8	0.6	0.8	0.7
F 150	1.0	0.8	0.9	0.8
F 200	1.3	0.9	1.0	1.0
F 350	1.9	1.3	1.4	1.5
F 600	3.2	1.9	2.2	2.2
F 950	6.6	2.2	2.4	2.0
F 1600	10.6	3.5	3.6	3.3
F 2500	16.9	5.7	5.8	5.2
F 4000	29.1	9.2	9.2	9.0

Test conditions:

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|---------------------------------|-------------------|
| 1. Solenoid with flow capacity: | 0.6 m3/hr |
| 2. Pipe diameter: | 6 mm |
| 3. Medium: | clean air |
| 4. Supply pressure: | 5.5 bar/80psi |
| 5. Load: | with average load |
| 6. Stroke: | 90° |
| 7. Temperature: | Room temperature |