

Technical Data



Weight

Unit: lbs

Model	45	52	63	75	83	92	105	125	140	160	190	210	240	270	300	400
DA	4.0	5.5	7.9	11.0	14.3	20.2	22.0	26.6	34.1	59.4	110.0	157.3	189.2	319.0	435.6	772.2
SR	4.2	5.7	8.4	11.7	15.2	22.0	24.0	29.7	39.6	67.8	125.8	178.4	218.2	367.4	497.2	871.2

Air Consumption

Unit: cube inches

Model Action	45	52	63	75	83	92	105	125	140	160	190	210	240	270	300	400
OPEN	4.9	7.3	12.8	18.3	25.6	39.1	58.0	90.9	150.7	232.5	375.3	459.5	676.8	1013.6	1399.9	3057.9
CLOSED	6.7	9.2	14.0	22.6	32.9	54.9	72.6	112.3	192.8	299.6	479.0	606.6	879.4	1348.0	1720.3	4086.8

Operating Time

Air Pressure: 75 Psi Unit: s

Double Acting			Spring Return														
Size	0°-90°	90°-0°	Size	Spring Qty													
				3+3		3+4		4+4		4+5		5+5		5+6		6+6	
				0°-90°	90°-0°	0°-90°	90°-0°	0°-90°	90°-0°	0°-90°	90°-0°	0°-90°	90°-0°	0°-90°	90°-0°	0°-90°	90°-0°
45DA	0.55	0.47	45SR	2.35	0.37	2.37	0.36	2.39	0.35	2.41	0.33	2.43	0.31	2.45	0.29	2.47	0.27
52DA	0.6	0.53	52SR	2.46	0.48	2.48	0.46	2.5	0.44	2.52	0.42	2.54	0.4	2.56	0.38	2.58	0.36
63DA	0.66	0.58	63SR	2.54	0.56	2.56	0.54	2.58	0.52	2.6	0.5	2.62	0.48	2.64	0.46	2.66	0.44
75DA	0.72	0.64	75SR	2.62	0.64	2.64	0.62	2.66	0.6	2.68	0.58	2.7	0.56	2.72	0.54	2.74	0.52
83DA	0.83	0.73	83SR	2.71	0.73	2.73	0.71	2.75	0.69	2.77	0.67	2.79	0.65	2.81	0.63	2.83	0.61
92DA	1	0.86	92SR	2.89	0.86	2.91	0.84	2.93	0.82	2.95	0.8	2.97	0.78	2.99	0.76	3.01	0.74
105DA	1.35	1.3	105SR	3.14	0.91	3.16	0.89	3.18	0.87	3.2	0.85	3.22	0.83	3.24	0.81	3.26	0.79
125DA	2.4	1.79	125SR	4.24	1.2	4.26	1.18	4.28	1.16	4.3	1.14	4.32	1.12	4.34	1.1	4.36	1.08
140DA	2.5	2.1	140SR	4.4	1.35	4.4	1.33	4.62	1.31	4.64	1.29	4.66	1.27	4.68	1.25	4.68	1.22
160DA	3.93	2.6	160SR	4.74	1.77	4.76	1.75	4.78	1.73	4.8	1.71	4.82	1.69	4.82	1.67	4.84	1.65
190DA	4.55	3.45	190SR	5.75	3.7	5.77	3.5	5.75	3.48	5.77	3.46	5.79	3.44	5.8	3.42	5.83	3.4
210DA	5.5	4.35	210SR	8.25	4.8	8.4	4.6	8.42	4.58	8.44	4.56	8.46	4.54	8.48	4.52	8.5	4.5
240DA	8.4	8.33	240SR	16.2	5.14	16.4	5.12	16.42	5.1	16.44	4.9	16.6	4.98	16.8	4.86	17	4.84
270DA	10.9	8.53	270SR	17.6	6.28	17.8	6.26	17.6	6.24	17.8	6.2	18	6.18	18.2	6.16	18.4	6.14
300DA	15	14.9	300SR	24	13.2	24.5	13	24.4	12.8	24.3	12.6	24.5	12.58	24.7	12.56	24.9	12.54
400DA	31	29	400SR	45	27	51	27	51.3	26.8	51.5	26.8	51.7	26.6	51.9	26.4	52.1	26.2

Operating Conditions

1. Operating Media:

Dry and lubricated air, or non-corrosive gas. The maximum particle diameter must be less than 40µm.

2. Air Supply Pressure:

The minimum supply pressure is 30 psi. The maximum supply pressure is 145 psi.

3. Operating Temperature:

Standard (NBR O-ring): -4°F ~ 175°F

Low Temperature (L NBR O-ring): -30°F ~ 175 °F

High Temperature (Viton O-ring): 5°F ~ 300°F

4. Travel adjustment:

Have adjustment range of $\pm 5^\circ$ at 0° and 90° position.

5. Lubrication:

Under normal operating condition, new additional lubrication is not required.

6. Application:

Either indoor or outdoor.

