



OPTIONAL ROD END (WORKS WITH SMA-10)
SHOWN AT MIDPOINT OF ROTATION

SIGNAL OPTIONS

EXTENDED PAWL SHAFT (E): Projects 3/4" from lower face, moves 7° at index & reset.

MAGNETIC SWITCH OPTIONS

Reed (G) and solid state switches (R or S) are available on rotary and linear sections of unit. Switches mount to cylinders; place as required for access and phasing. Magnet only option (N) will also affect 'C' dimension.

UNCONTROLLED IMPACT WILL CAUSE DAMAGE TO UNIT. LIMIT ANGULAR MOMENTUM AND IMPACT TO 4 IN. LB. BY USING FLOW CONTROLS IN EXHAUSTING CYLINDERS. ALSO, INSTALL FLOW CONTROLS TO LIMIT LINEAR IMPACT.

NOTES:

- Optional angles 22.5, 18, 15 and 12 deg. require special mechanism but are housed in 30 deg. envelope.
- Stop tubes are available to stabilize the extended shaft. Standard lengths are 1" and 2"; add to unit height. Sleeves for switch magnets serve the same function.
- Allen wrench clearance at flow control & adjuster screws not shown.
- Needle valve projects approximately 5/8" at 1, 2, 3 or 4 (See option pages). Write preferred location; may differ end to end.

ROTATION	'C' DIMENSION		ADD TO 'C' RESET SIDE
	STD.	'G', 'R' OR 'S' OPT.	'Q' OPT.
12°	2.96	5.43	.06
15°	3.03	5.46	
18°	3.09	5.49	
22.5°	3.19	5.54	
30°	3.35	5.62	
36°	3.49	5.69	
45°	3.68	5.79	
60°	4.01	5.95	
72°	4.27	5.95	
90°	4.66	5.95	
120°	5.32	6.32	
180°	6.63	7.63	
360°	10.55	11.55	.06

RATINGS	
Torque Factor (Retract): in. lb./p.s.i.	.91
Torque Factor (Extend): in. lb./p.s.i.	.79
Force Factor (Retract): lb.	.70
Force Factor (Extend): lb.	1.48
Max. Working Pressure*: p.s.i.	75
Max. Torque (Non-shock): in. lb.	73
Indexing Accuracy: deg.	±.20
Back Lash (Linear Section): deg.	1
Displacement (Rotary): in. ³ /deg.	.0172
Working Temperature Range: °F	0 - 180
Weight 180°, 2" stroke, std. unit: lb.	7.6

*Pressures applied to the indexer (rotary) section are limited by maximum clutch torque; higher pressures may be applied to the linear section.