

# INSTALLATION AND MAINTENANCE INSTRUCTIONS

## STROKE CHART A-C SERVICE

**"THIS STROKE CHART SUPERSEDES ALL PREVIOUS PUBLICATIONS"**

**BULLETINS**  
8300  
8302 200-926  
8315 200-929  
200-921 200-930  
200-924 200-939  
200-925 200-940

**ASCO**

**FORM NO. V-5940R1**

### DESCRIPTION

This stroke chart for A-C service is used in conjunction with Installation and Maintenance Instructions, Form Nos. V-5941 and V-5942. Refer to "NEW SEAT AND DISC INSTALLATION" Paragraph on Form Nos. V-5941 and V-5942.

**IMPORTANT:** For resilient seated valves (Suffix "R" in catalog number) all parts supplied in the Spare Parts Kit must be installed in order to obtain the proper stroke as indicated in the chart below.

Pipe Size	General Purpose Solenoid Enclosure	Explosion-Proof Watertight Solenoid Enclosure	Orifice Size	For Body Type Refer To Figure 2 on Form Numbers V5941 & V5942	Metal to Metal Construction		Resilient Construction Catalog No. Suffix "R" ①	
					Stroke		Stroke	
					Upper Disc	Lower Disc	Upper Disc	Lower Disc
1/8	8300C55, 8300D55 ②	8302C24, 8302D24 ②	1/8	37	.062 ± .005	.047 ± .005	.060 <sup>+</sup> .005 -.000	.040 <sup>+</sup> .005 -.000
	8300C3, 8300D3	8302C1, 8302D1	3/16					
	830080	830280	1/4					
	8300C6 ③	8302C3 ③	1/4					
1/4	8300C58, 8300D58	8302C25, 8302D25	3/16	37	.062 ± .005	.047 ± .005	.060 <sup>+</sup> .005 -.000	.040 <sup>+</sup> .005 -.000
	200-921-1 ③	200-924-1 ③	3/16					
	830081, 8300A81	830281, 8302A81	1/4					
	8300C61, 8300D61 ③	8302C26, 8302D26 ③	1/4					
	8315C2, 8315D2 ② ③	8315C22, 8315D22 ② ③	1/4					
200-921-2 ③	200-924-2 ③	1/4						
3/8	8300C102	8302C5	3/16	38	.072 ± .005	.058 ± .005	.070 <sup>+</sup> .005 -.000	.050 <sup>+</sup> .005 -.000
	200-921-3 ③	200-924-3 ③	3/16					
	830082, 8300A82	830282, 8302A82	1/4					
	8300C9, 8300D9 ③	8302C4, 8302D4 ③	1/4					
	8315C3, 8315D3 ② ③	8315C23, 8315D23 ② ③	1/4					
	200-921-4 ③	200-924-4 ③	1/4					
8300C64, 8300D64	8302C27, 8302D27	5/16	38	.072 ± .005	.058 ± .005	.070 <sup>+</sup> .005 -.000	.050 <sup>+</sup> .005 -.000	
200-925-1 ③	200-926-1 ③	5/16						
8300C72, 8300D72 ②	8302C31, 8302D31 ②	3/8						
1/2	8315C6 ② ③	8315C26 ② ③	3/8	38	.101 ± .005	.078 ± .005	—	—
	8300C68, 8300D68	8302C29, 8302D29	5/16					
	8315C5 ② ③	8315C28 ② ③	5/16					
3/8 Steel Body	200-925-2 ③	200-926-2 ③	5/16	38	.072 ± .005	.058 ± .005	.070 <sup>+</sup> .005 -.000	.050 <sup>+</sup> .005 -.000
	8300C76, 8300D76 ②	8302C33, 8302D33 ②	3/8					
	8315C7 ② ③	8315C30 ② ③	3/8					
	8300A32, 8300B32	8302A8, 8302B8	3/16					
1/2 Steel Body	200-939-1 ② ③	200-940-1 ② ③	3/16	38	.072 ± .005	.058 ± .005	.070 <sup>+</sup> .005 -.000	.050 <sup>+</sup> .005 -.000
	830083, 8300A83	830283, 8302A83	1/4					
	8300A41, 8300B41 ③	8302A46, 8302B46 ③	1/4					
	200-939-2 ② ③	200-940-2 ② ③	1/4					
	8300A89, 8300B89	8302A38, 8302B38	5/16					
200-939-3 ② ③	200-940-3 ② ③	5/16	38	.101 ± .005	.078 ± .005	—	—	
8300A97, 8300B97 ②	8302A42, 8302B42 ②	3/8						
8300A203, 8300B203	8302A203, 8302B203	5/16						
1/2 St. St. Body	8315A12 ② ③	8315A29 ② ③	5/16	38	.072 ± .005	.058 ± .005	.070 <sup>+</sup> .005 -.000	.050 <sup>+</sup> .005 -.000
	200-939-4 ② ③	200-940-4 ② ③	5/16					
	8300A204, 8300B204 ②	8302A204, 8302B204 ②	3/8					
1/2 St. St. Body	8315A14 ② ③	8315A31 ② ③	3/8	38	.101 ± .005	.078 ± .005	—	—
	8300A403, 8300B403 ②	8302A403, 8302B403 ②	5/16					
	200-929-1 ② ③	200-930-1 ② ③	5/16					
8300A404, 8300B404 ②	8302A404, 8302B404 ②	3/8	38	.101 ± .005	.078 ± .005	—	—	

### NOTES:

- ① Example: Catalog No. 8300D3R (Resilient) stroke setting would be .060<sup>+</sup>.005  
-.000 for upper disc and .040<sup>+</sup>.005  
-.000 for lower disc.
- ② No Resilient Construction.
- ③ Available in A-C (Alternating Current) Construction only.

**ASCO Valves**

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## STROKE CHART D-C SERVICE

**"THIS STROKE CHART SUPERSEDES ALL PREVIOUS PUBLICATIONS"**

**ASCO**

FORM NO. V-5940R1

### DESCRIPTION

This stroke chart for D-C service is used in conjunction with Installation and Maintenance Instructions, Form Nos. V-5941 and V-5942. Refer to "NEW SEAT AND DISC INSTALLATION" Paragraph on Form Nos. V-5941 and V-5942.

**IMPORTANT:** For resilient seated valves (Suffix "R" in catalog number) all parts supplied in the Spare Parts Kit must be installed in order to obtain the proper stroke as indicated in the chart below.

Pipe Size	General Purpose Solenoid Enclosure	Explosion-Proof Watertight Solenoid Enclosure	Orifice Size	For Body Type Refer To Figure 2 on Form Numbers V5941 & V5942	Metal to Metal Construction		Resilient Construction Catalog No. Suffix "R" ①						
					Stroke		Stroke						
					Upper Disc	Lower Disc	Upper Disc	Lower Disc					
1/8	8300C55, 8300D55 ②	8302C24, 8302D24 ②	1/8	37									
	8300C3, 8300D3	8302C1, 8302D1	3/16										
	830080	830280	1/4										
	8300C6 ③	8302C3 ③	1/4										
1/4	8300C58, 8300D58	8302C25, 8302D25	3/16							.047±.005	.031±.005	.051 <sup>+.005</sup> <sub>-.000</sub>	.031 <sup>+.005</sup> <sub>-.000</sub>
	830081, 8300A81	830281, 8302A81	1/4										
	8300C61, 8300D61 ③	8302C26, 8302D26 ③	1/4										
	8315C2, 8315D2 ② ③	8315C22, 8315D22 ② ③	1/4										
3/8	8300C102	8302C5	3/16						38				
	830082, 8300A82	830282, 8302A82	1/4										
	8300C9, 8300D9 ③	8302C4, 8302D4 ③	1/4										
	8315C3, 8315D3 ② ③	8315C23, 8315D23 ② ③	1/4										
	8300C64, 8300D64	8302C27, 8302D27	5/16	38	.072±.005	.058±.005	.070 <sup>+.005</sup> <sub>-.000</sub>	.050 <sup>+.005</sup> <sub>-.000</sub>					
	8300C72, 8300D72 ②	8302C31, 8302D31 ②	3/8										
8315C6 ② ③	8315C26 ② ③	3/8	38	.072 <sup>+</sup> <sub>-.005</sub>	.058±.005	—	—						
1/2	8300C68, 8300D68	8302C29, 8302D29	5/16	38									
	8315C5 ② ③	8315C28 ② ③	5/16										
	8300C76, 8300D76 ②	8302C33, 8302D33 ②	3/8						38	.072 <sup>+</sup> <sub>-.005</sub>	.058±.005	—	—
	8315C7 ② ③	8315C30 ② ③	3/8										
3/8 Steel Body	8300A32, 8300B32	8302A8, 8302B8	3/16	38									
	830083, 8300A83	830283, 8302A83	1/4										
	8300A41, 8300B41 ③	8302A46, 8302B46 ③	1/4										
	8300A89, 8300B89	8302A38, 8302B38	5/16						38	.072±.005	.058±.005	.070 <sup>+.005</sup> <sub>-.000</sub>	.050 <sup>+.005</sup> <sub>-.000</sub>
	8300A97, 8300B97 ②	8302A42, 8302B42 ②	3/8						38	.072±.005	.058±.005	—	—
1/2 Steel Body	8300A203, 8300B203	8302A203, 8302B203	5/16	38									
	8315A12 ② ③	8315A29 ② ③	5/16										
	8300A204, 8300B204 ②	8302A204, 8302B204 ②	3/8						38	.072±.005	.058±.005	—	—
8315A14 ② ③	8315A31 ② ③	3/8											
1/2 St.St. Body	8300A403, 8300B403 ②	8302A403, 8302B403 ②	5/16	38									
	8300A404, 8300B404 ②	8302A404, 8302B404 ②	3/8										

### NOTES:

- ① Example: Catalog No. 8300D3R (Resilient) stroke setting would be .051<sup>+.005</sup><sub>-.000</sub> for upper disc and .031<sup>+.005</sup><sub>-.000</sub> for lower disc.
- ② No Resilient Construction.
- ③ Available in A-C (Alternating Current) Construction only.

**ASCO Valves**

