

# PNEUMATICS & FITTINGS



## PNEUMATIC DAMPER ACTUATOR D-3000, D-4000 SERIES



### DESCRIPTION

The Johnson Controls **D-3000 Series** pneumatic damper actuators provide a wide range of forces to handle applications from VAV control dampers to inlet vanes. The **D-3062** and **D-3153** have models that are UL/ULC listed for smoke damper applications. The **D-4000 Series** actuators are constructed of a glass reinforced polymer with synthetic elastomer diaphragms. They include barb fittings for 5/32" or 1/4" OD poly tubing.



D-4073-1

D-3153-4

D-3062-3 with D-3062-101

### SPECIFICATIONS

<b>Connections</b>	Barb for 1/4" OD poly tubing
<b>Diaphragm</b>	Synthetic elastomer
<b>Operating Temperature</b>	-20° to 150°F (-29° to 66°C)
<b>Maximum Pressure Rating</b>	30 psig (172 kPa)
<b>Warranty</b>	1 year

### ORDERING INFORMATION

MODEL	NOMINAL SPRING RANGE		MAXIMUM ACTUATOR FORCE Value at 20 psig (140 kPa) Supply				ESTIMATED TORQUE* @ 90° 20 psig	MOUNTING NOTES† (see below)	STROKE LENGTH		EFFECTIVE DAMPER CONTROL		PILOT POSITIONER	WEIGHT
			Power		Return						2 Pos	Prop.		
	psig	kPa	lbf	N	lbf	N	in-lb (Nm)	in	cm	ft <sup>2</sup>	ft <sup>2</sup>		lb (kg)	
D-3062-1	3-7	21-49	85.8	38.2	19.8	80	20 (2.3)	5	2	5.1	6.25	4	-	1.2 (0.54)
D-3062-2	5-10	35-70	66	294	33	147	33 (3.7)	5	2	5.1	6.25	4	-	1.2 (0.54)
D-3062-3	8-13	56-91	46.2	206	52.8	235	46 (5.2)	5	2	5.1	6.25	4	-	1.2 (0.54)
D-4073-1	8-13	56-91	47	209	54	240	71 (8)	3	3	7.6	11.7	6.75	Yes	7.9 (3.6)
D-4073-2	8-13	56-91	47	209	54	240	71 (8)	3	3	7.6	11.7	6.75	-	6.4 (2.9)
D-4073-3	5-10	35-70	67	298	34	151	51 (5.8)	3	3	7.6	11.7	6.75	-	6.4 (2.9)
D-4073-4	8-13	56-91	47	209	54	240	71 (8)	4	3	7.6	11.7	6.75	Yes	6.4 (2.9)
D-4073-5	8-13	56-91	47	209	54	240	71 (8)	4	3	7.6	11.7	6.75	-	4.9 (2.2)
D-4073-6	5-10	35-70	67	298	34	151	51 (5.8)	4	3	7.6	11.7	6.75	-	4.9 (2.2)
D-3153-1	8-13	56-91	105	467	120	534	158 (17.9)	3	3	7.6	25	16	Yes	11.5 (5.2)
D-3153-2	8-13	56-91	105	467	120	534	158 (17.9)	3	3	7.6	25	16	-	10.0 (4.5)
D-3153-3	5-10	35-70	150	667	75	534	113 (12.8)	3	3	7.6	25	16	-	10.0 (4.5)
D-3153-4	8-13	56-91	105	467	120	534	158 (17.9)	4	3	7.6	25	16	Yes	10.0 (4.5)
D-3153-5	8-13	56-91	105	467	120	534	158 (17.9)	4	3	7.6	25	16	-	8.5 (3.9)
D-3153-6	5-10	35-70	105	467	120	534	158 (17.9)	4	3	7.6	25	16	-	8.5 (3.9)
D-3244-1	8-13	56-91	164	729	187	833	328 (37)	1	4	10.2	50	30	Yes	45.5 (20.7)
D-3244-2	8-13	56-91	328	1458	374	1666	656 (74.1)	1, 6	4	10.2	100	60	Yes	63 (28.4)
D-3244-3	8-13	56-91	164	729	187	833	328 (37)	2	4	10.2	50	30	Yes	15 (6.8)
D-3246-1	8-13	56-91	164	729	187	833	492 (55.6)	2	6	15.2	75	45	-	16 (7.0)
D-3246-3	8-13	56-91	328	1458	374	1666	984 (55.6)	1, 6	6	15.2	150	90	Yes	75 (34.0)

- NOTES†**
- 1 - Floor-mounted assembly included
  - 2 - Swivel-mounted assembly included
  - 3 - Universal-mounting bracket included
  - 4 - Auxiliary-mounting bracket included
  - 5 - D-3062-101 mounting kit (Order separately)
  - 6 - Two actuators

\* Torque = crank arm length x force x 0.5  
(crank arm length = stroke length @ 90-degree rotation)

Order the **DS-3062-1** and **DS-2153-1** for high temperature smoke damper operation.

### ACCESSORIES

**D-3062-101**

Mounting bracket kit for D-3062 actuators