

Diaphragm



5200 : Pneumatic Diaphragm Actuators

This Series provides high performance, high power diaphragm actuators of multi-spring type that are compact and light. Receiving pneumatic or electric signals, the unit balances the force created when diaphragm is air-pressured through positioner and the force of compressed spring, so that the output shaft is controlled and placed at a set position.

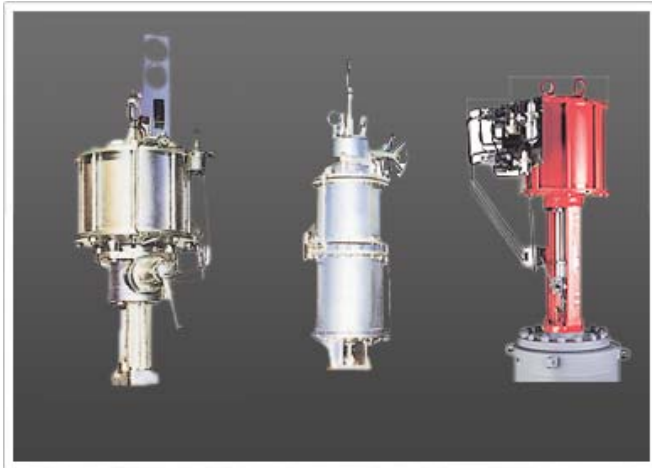
Control of position by pneumatic signals (20 to 100Kpa) directly applied on diaphragm is also possible. Combination with KOSO positioner provides high accuracy position control.

SPECIFICATIONS

Type		Linear Stem Motion Type				
		5221LA	5227LA	5235LA	524SLA, 524LLA	526SLA, 526LLA
Actuator size		218	270	350	450	650
Max. Output	N	2185	3648	4315	7453	16475
	N-M	-	-	-	-	-
Air supply KPa		140, 300, 340		140, 300		300
Spring range Kpa		20 to 100, 80 to 200, 120 to 300		20 to 100, 80 to 200		80 to 200
Max. stroke/angle		20mm	30mm	40mm	80mm	110mm
Action		Direct Action or Reverse Action				
Environment temp.		Standard type: -10 to +70°, Low temp. service: -40 to +40°, High temp. service: 0 to +100°				
Options		Manual handle, Limit SW, Positioner, Air-set etc.				

Cylinder

6100 LA / 6200 LA / 6300 LA



6100LA

1 Piston type

Valve stem and actuator output shaft connection is inside the cylinder.

6200LA

2 Piston type

Valve stem and actuator output shaft connection is inside the cylinder.

6300LA

1 Piston type

Valve stem and actuator output shaft connection is outside the cylinder (in Yoke).

6100LA 6200LA

Type	Double Acting type						
	6110LA	6116LA	6128LA	6136LA	6141LA	6154LA	6254LA
Size	100	160	280	360	415	540	540*2
Output N at 500KPa	3430	9310	29890	45570	62220	106820	213640
Max. stroke (mm)	60	210	310	610	810	810	1360
Air supply	Double Acting: 300 to 500kPa, Spring Return: 500kPa						
Action	Direct Action or Reverse Action						
Environment temp.	Standard type: -20 to +60°, Low temp.service:-50 to +60°, High Temp.service: 0 to +100°						
Options	Manual handwheel, Limit Switch, Positioner, Air-set, Speed controller etc.						

6300LA

Type	Double Acting type	Spring Return type						
	6315LA	6320LA	6330LA	6345LA	6360LA	6330LA	6345LA	6360LA
Size	150	200	300	450	600	300	450	600
Output N at 500KPa	7938	14308	32242	73010	129850	7644	17248	30576
Max. stroke (mm)	210	210	210	410	410	210	210	210
Air supply	Double Acting: 300 to 500kPa, Spring Return: 500kPa							
Action	Direct Action or Reverse Action							
Environment temp.	Standard type: -20 to +60°, Low temp.service:-50 to +60°, High Temp.service: 0 to +100°							
Options	Manual handwheel, Limit Switch, Positioner, Air-set, Speed controller etc.							

6400 **RB** / 6500 **RA** / 7300 **RB**



6400RB

Large Torque Cylinder

4 Piston Scotch Yoke type Pneumatic Actuator

Output Shaft Rotating angle/90° or 60°

6500RA

Middle Torque Cylinder

2 Piston Scotch Yoke type Pneumatic Actuator

Output Shaft Rotating angle/90° or 60°

7300RB

Middle Torque Cylinder

2 Piston Rack & Pinion Pneumatic Actuator

Output Shaft Rotating angle/90° or 60°

SPECIFICATIONS

6400RB

Type Code	Double Acting type	
	6420RB	6428RB
Size	200	280
Output N at 500KPa	9370	20500
Air supply	Double Acting: 300 to 500kPa, Spring Return: 500kPa	
Action	Direct Action or Reverse Action	
Environment temp.	Standard type: -20 to +60°, Low temp.service: -50 to +60°, High Temp.service: 0 to +100°	
Options	Manual handwheel, Limit Switch, Positioner, Air-set, Speed controller, Lock Valve, Lock up Valve, Solenoid Valve etc.	

6500RA

Type Code	Double Acting type				Sp
	6517RA	6520RA	6528RA	6517RA	65
Size	170	200	280	200	28
Output N at 500KPa	1850	3200	7500	907	22
Air supply	Double Acting: 300 to 500 KPa, Spring Return: 300, 400, 500 KPa				
Action	Direct Action or Reverse Action				
Environment temp.	Standard type: -20 to +60°, Low temp.service: -50 to +60°, High Temp.serv				
Options	Manual handwheel, Limit Switch, Positioner, Air-set, Speed controller, Loc Valve etc.				

7300RB

Type	Double Acting type
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	7317RB	7323RB	7328RB	7337RB	7317RB	7323RB
Size	170	235	280	375	170	235
Output N at 500KPa	637	1712	2962	6987	212	589
Air supply	Double Acting: 300 to 500 KPa, Spring Return: 300, 400, 500 KPa					
Action	Direct Action or Reverse Action					
Environment temp.	Standard type: -20 to +60°, Low temp.service: -50 to +60°, High Temp.servi					
Options	Manual handwheel, Limit Switch, Positioner, Air-set, Speed controller, Lock Valve etc.					