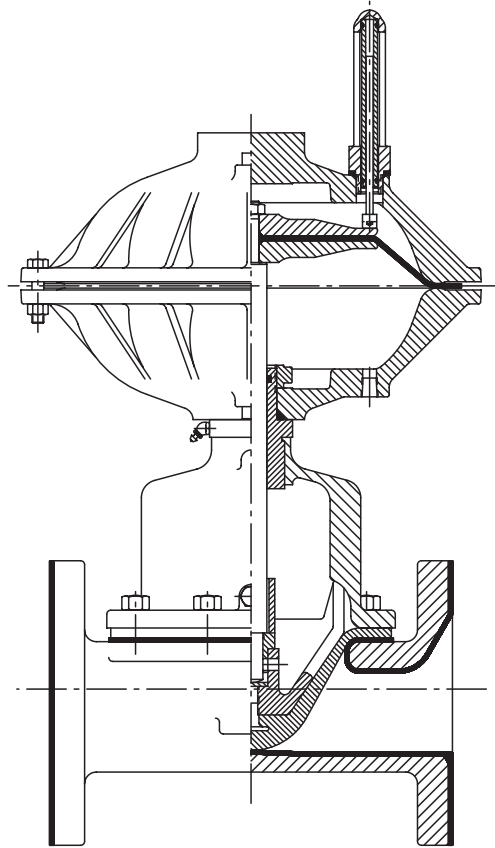


Actuators for Straightway Valves



Pneumatic actuation for Dia-Flo straightway valves is the same high quality, rugged airmotor actuator used on weir type valves.

Use charts on the following pages to select the correct Dia-Flo actuator for your straightway valve application.

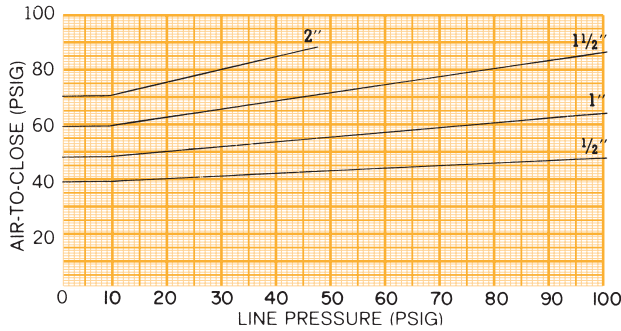
Note: Refer to actuator sizing information in the beginning of section 3 for operating instructions on using these charts.

Air Requirements for Straightway Valves
3100 Series Fail Open Actuator 100% ΔP

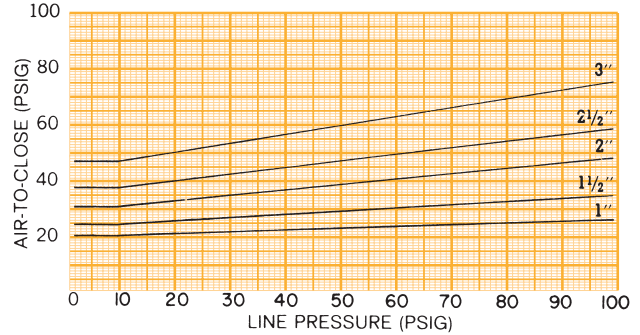
Air to Close, Spring to Open

3125

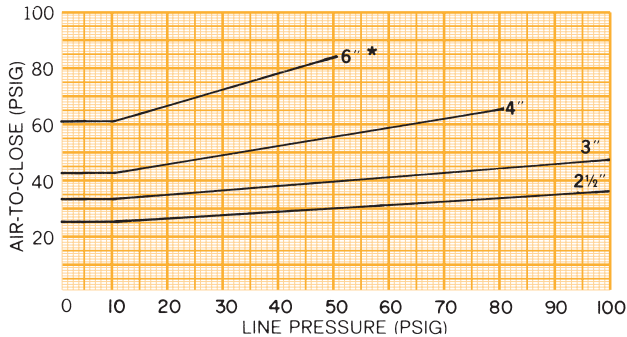
No. 3125 Actuator


3150

No. 3150 Actuator


31101

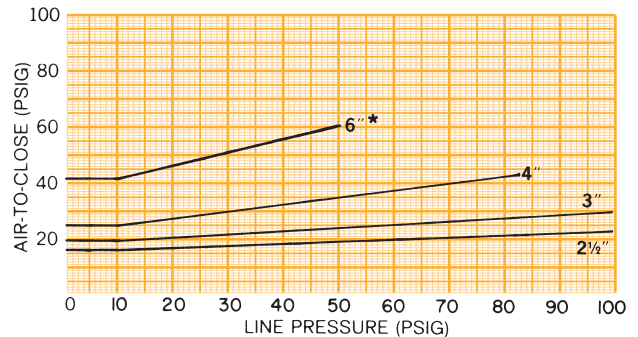
No. 31101 Actuator



*Stroke limited to 3 1/8"

31130

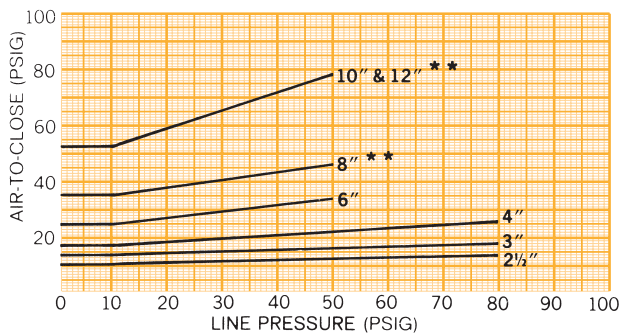
No. 31130 Actuator



*Stroke limited to 3 1/2"

31250

No. 31250 Actuator



**Stroke limited to 4 5/8"

3100 Series 100% ΔP Straightway



3200 Series Air Requirements for Straightway Valves

Fail Close Actuator Air to open, spring to close

Use chart below to determine size and spring requirements.

Actuator Size	Figure Number	Spring Number	Maximum Line Pressures (PSI) @ 100% P.D. (Bubble Tight Shut Off) Straightway Valves								Air to Open Full Stroke @ 0 PSI Line		
			1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"			
#25	3226	101											55
	3228	102A											30
	3227	101 & 102A	100	50									85
#50	3251	101											27
	3252	101 & 102A	80										44
#50L	3254	96	100	100	35								41
	3253	97	50										24
#75	3255	96 & 97	100	100	100	70	20						61
	3273	98				67	26						34
	3277	97 & 98				100	71	16					47
#101	3278	96 & 98				100	100	34					63
	3279	96, 97 & 98				100	100	54					76
	32102	96				13							20
#130	32103	98				67	26						28
	32104	96 & 97				100	31						30
	32105	96 & 98				100	100	34					48
#250	32106	97 & 98				100	71	16					38
	32107	96, 97 & 98				100	100	54					58
	32108	130				100	100	85	17*				85
#250	32132	96				13							16
	32133	98				67	26						23
	32134	96 & 97				100	31						24
	32135	96 & 98				100	100	34					39
	32136	97 & 98				100	71	16					32
#250	32137	96, 97 & 98				100	100	54					48
	32138	130				100	100	85	17†				67
	32252	129				100	100	85	22				30
#250	32253	130				100	100	85	10				32
	32251	129 & 130				100	100	85	50				62

*Stroke Limited to 3/4" †Stroke Limited to 3/2" **Stroke Limited to 4/8"

Air Requirements for Straightway Valves

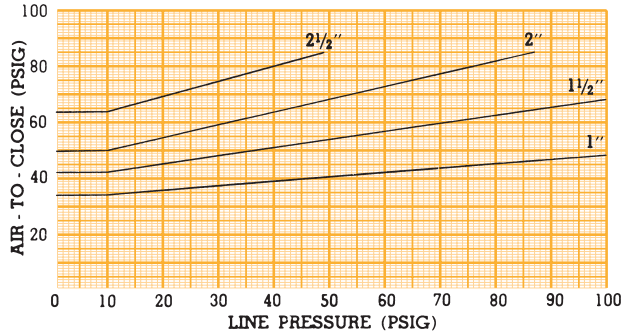
3300 Series 100% ΔP Straightway

3300 Series Double Acting Actuator 100% ΔP Straightway

Air to Open, Air to Close

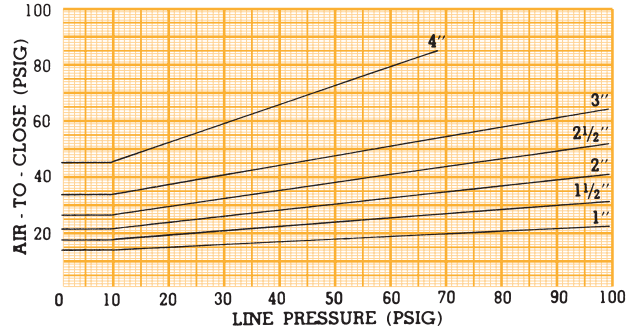
3325

No. 3325 Actuator



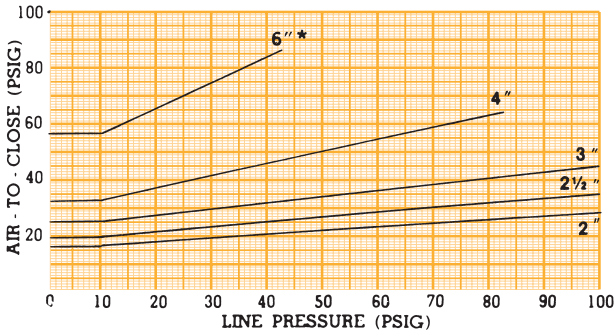
3350

No. 3350 Actuator



3375

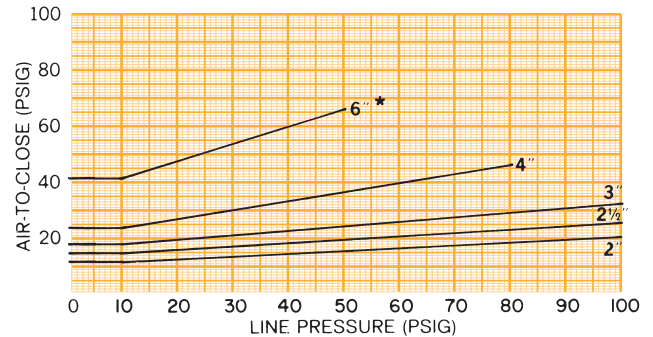
No. 3375 Actuator



*Stroke limited to 3"

33101

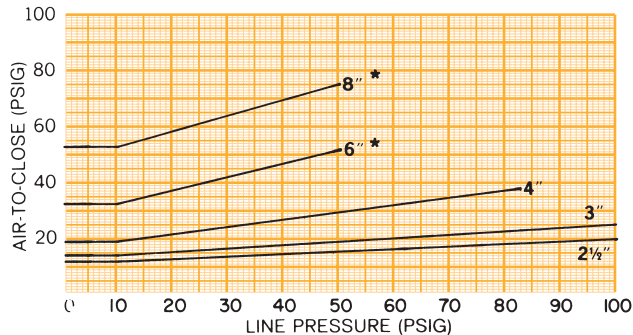
No. 33101 Actuator



*Stroke limited to 3 1/8"

33130

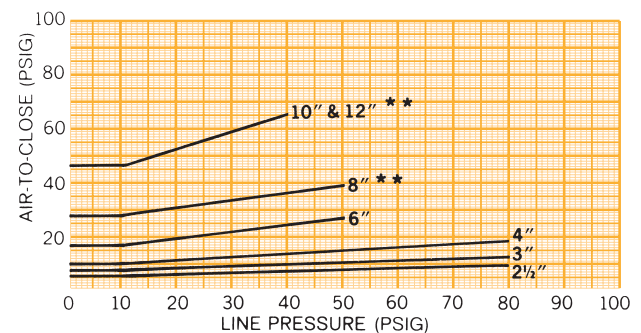
No. 33130 Actuator



*Stroke limited to 3 1/2"

33250

No. 33250 Actuator



**Stroke limited to 4 5/8"

Actuators are designed to operate at air pressures up to 85 psi on diaphragm actuators. The difference in pressure between the upper and lower chambers should not exceed 85psi.

If ordering actuator with positioner, an air cushion regulator will be added to provide 10 psi in the lower chamber. Therefore, add 10 psi to the "air-to-close" value for minimum air required.

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