

Air Requirements for Weir Type Dualrange Valves

3100 Series 100% ΔP Dualrange

3100 Series Fail Open Actuators 100% ΔP

Air to Close, Spring to Open

3112

Chart M
 No. 12 (-84 3112) actuator with **ELASTOMER** Diaphragm

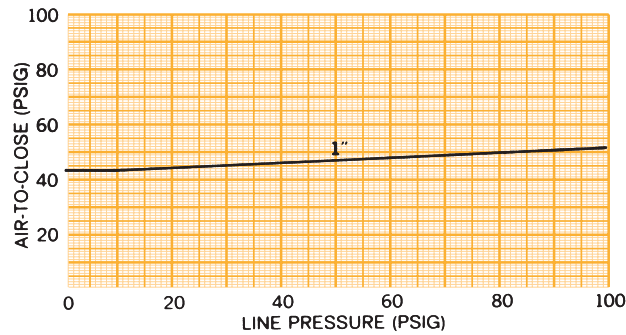
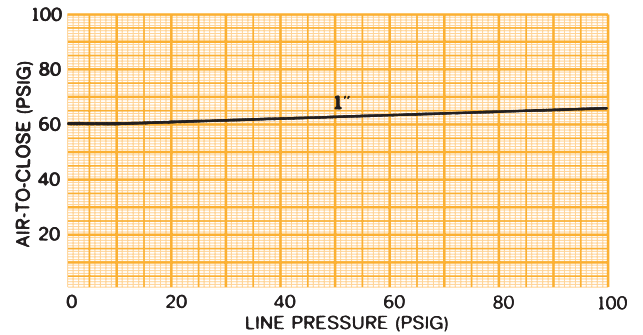


Chart N
 No. 12 (-84 3112) actuator with **PTFE PLASTIC** Diaphragm



3125

Chart O
 No. 25 (-84 3125) actuator with **ELASTOMER** Diaphragm

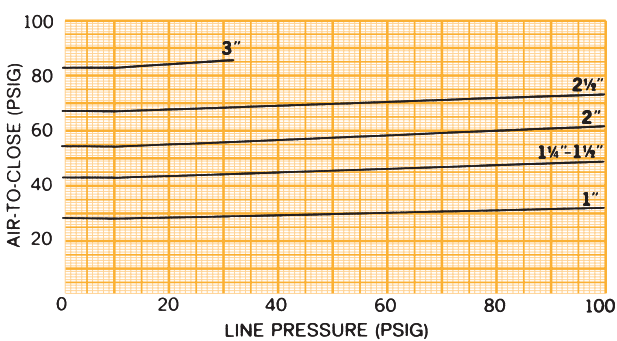
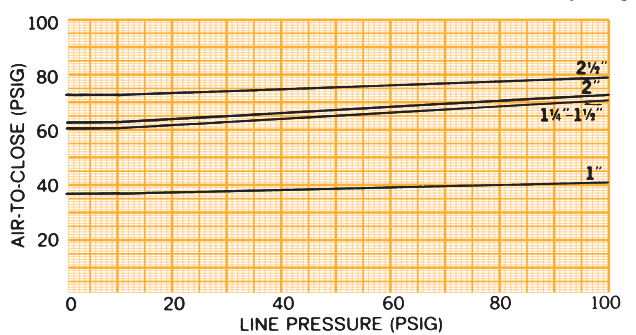


Chart P
 No. 25 (-84 3125) actuator with **PTFE PLASTIC** Diaphragm



Air Requirements for Weir Type Dualrange Valves

3100 Series 100% ΔP Dualrange

3100 Series Fail Open Actuators 100% ΔP

Air to Close, Spring to Open

3150

Chart Q
 No. 50 (-DR 3150) actuator with **ELASTOMER** Diaphragm

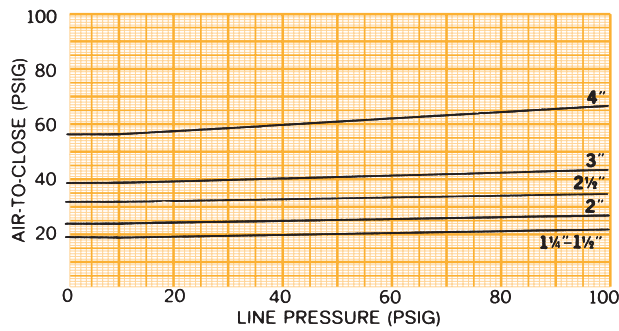
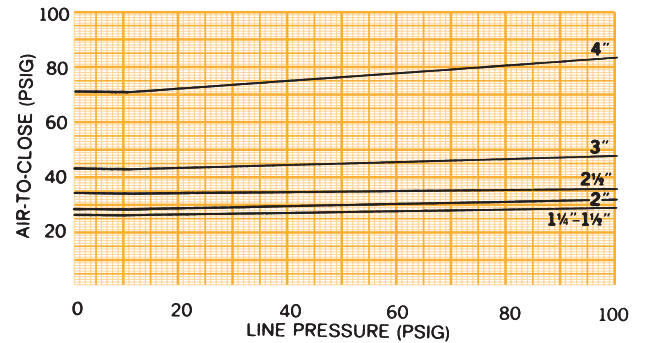


Chart R
 No. 50 (-DR 3150) actuator with **PTFE PLASTIC** Diaphragm



31101

Chart S
 No. 101 (-84 31101) actuator with **ELASTOMER** Diaphragm

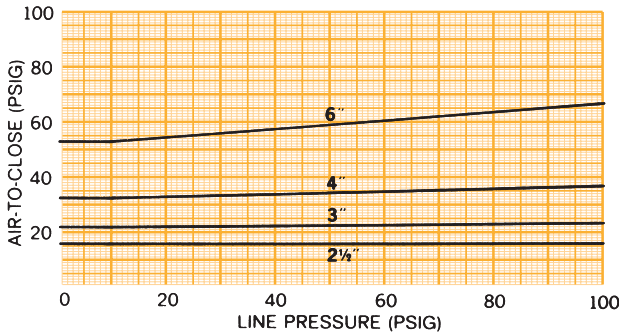
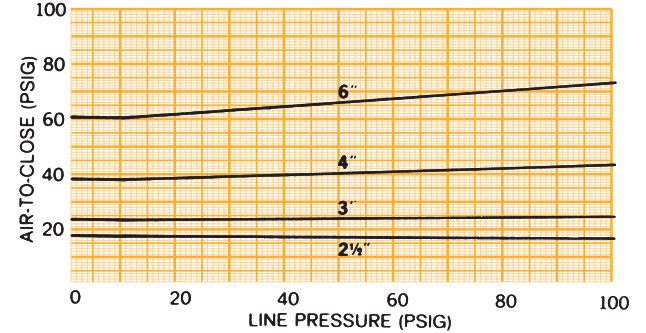


Chart T
 No. 101 (-84 31101) actuator with **PTFE PLASTIC** Diaphragm



31130

Chart U
 No. 130 (-84 31130) actuator with **ELASTOMER** Diaphragm

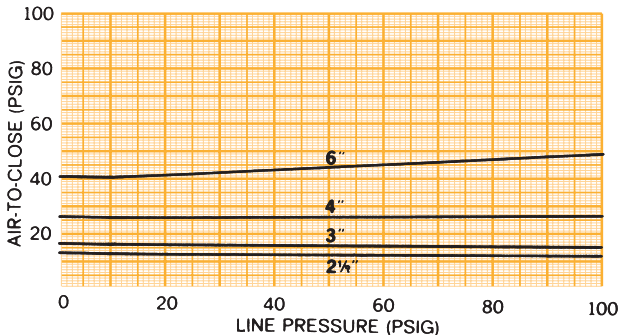
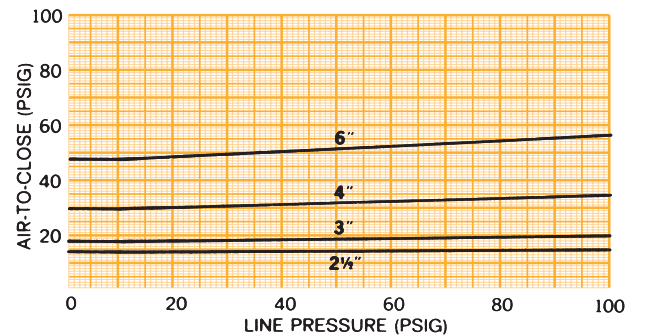


Chart V
 No. 130 (-84 31130) actuator with **PTFE PLASTIC** Diaphragm





Air Requirements for Weir Type Dualrange Valves

3200 Series Fail Close Actuators Air to open, spring to close

Use chart below to determine size and spring requirements.

Diaphragm Material		Actuator Size	Figure Number	Spring Number	Maximum line pressures (psi) (Bubble Tight Shut Off) Dualrange Valves @ 100% ΔP							Air Required to open psig		
					1"	1 1/4" & 1 1/2"	2"	2 1/2"	3"	4"	6"			
Elastomers (See next page for PTFE diaphragms)		#12	3214	88 & 89	70								75	
			3228	102A	100									30
		#25	3226	101	100									55
			3227	101 & 102A		100	100	25						85
		#50	3256	102A	100									12
			3251	101		40								19
			3252	101 & 102A		100	55							31
		#50L	3253	97		100	15							30
			3254	96			100	20						47
			3255	96 & 97				100						68
		#75	3274	96										29
			3277	97 & 98				100				52		47
			3278	96 & 98				100				100		63
		#101	32102	96				100						20
			32104	96 & 97				100						30
			32105	96 & 98				100				100		48
			32106	97 & 98				100				52		38
			32107	96, 97 & 98				100				100		58
#130	32108	130				100				100		85		
	32132	96				100						16		
	32134	96 & 97				100				100		24		
	32135	96 & 98				100				100		39		
	32136	97 & 98				100				52		32		
#250	32137	96, 97 & 98				100				100		48		
	32138	130				100				100		67		
	32252	129								100		30		

3200 Series 100% ΔP Dualrange Elastomer



Air Requirements for Weir Type Dualrange Valves

3200 Series Fail Close Actuators Air to open, spring to close

Use chart below to determine size and spring requirements.

Diaphragm Material	Actuator Size	Figure Number	Spring Number	Maximum line pressures (psi) @ 0% P.D. (Bubble Tight Shut Off) Weir Type Valves							Air Required at Full Stroke @ 0 psi Line		
				1"	1 1/4" & 1 1/2"	2"	2 1/2"	3"	4"	6"			
PTFE	#25	3228	102A	50								30	
		3226	101	100								55	
		3227	101 & 102A		100								85
	#50	3251	101		100								19
		3252	101 & 102A			40							31
	#50L	3254	96			100							47
		3255	96 & 97						100				68
	#75	3274	96					100					29
		3277	97 & 98					100		100			47
		3278	96 & 98					100		100	40		63
		3279	96, 97 & 98					100		100	100		76
	#101	32102	96					100					20
		32104	96 & 97					100		100			30
		32105	96 & 98					100		100	40		48
		32106	97 & 98					100		100			38
		32107	96, 97 & 98					100		100	100		58
		32108	130					100		100	100	30	85
	#130	32132	96					100					16
		32133	98					100		100			23
		32134	96 & 97					100		100			24
32135		96 & 98					100		100	40		39	
32136		97 & 98					100		100			32	
32137		96, 97 & 98					100		100	100		48	
#250	32138	130					100		100	100	30	67	
	32251	129 & 130									100	62	

Air Requirements for Weir Type Dualrange Valves

3300 Series 100% ΔP Dualrange

3300 Series Double Acting Actuators 100% ΔP

Air to Open, Air to Close

3312

Chart A
 No. 12 (-84 3312) actuator with **ELASTOMER** Diaphragm

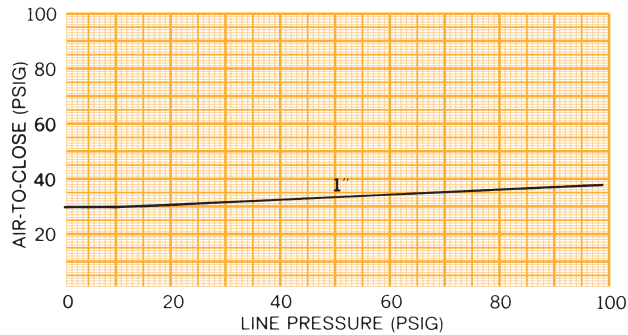
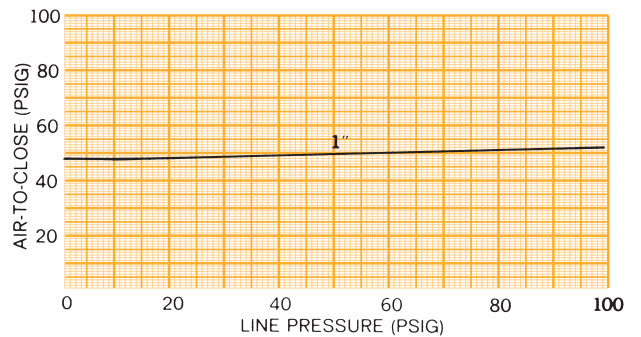


Chart B
 No. 12 (-84 3312) actuator with **PTFE PLASTIC** Diaphragm



3325

Chart C
 No. 25 (-84 3325) actuator with **ELASTOMER** Diaphragm

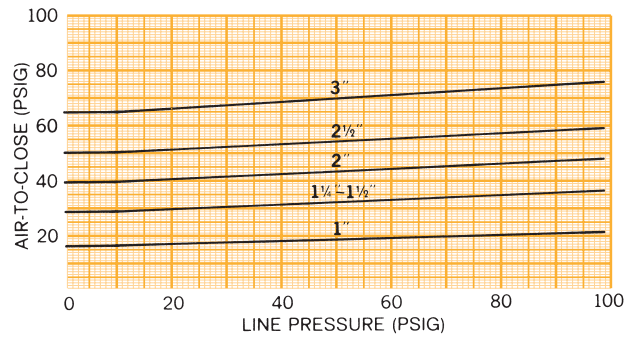
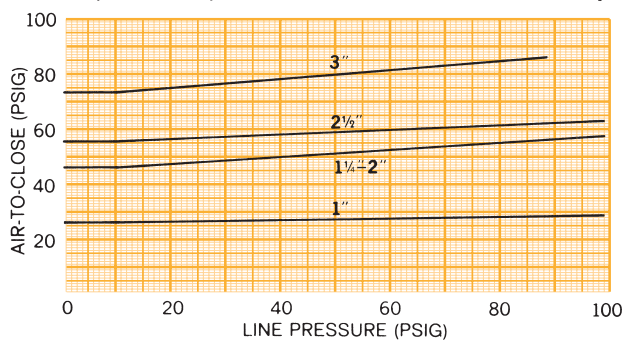


Chart D
 No. 25 (-84 3325) actuator with **PTFE PLASTIC** Diaphragm



3350

Chart E
 No. 50 (-84 3350) actuator with **ELASTOMER** Diaphragm

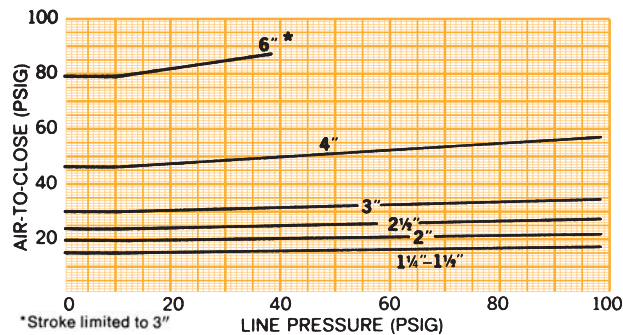
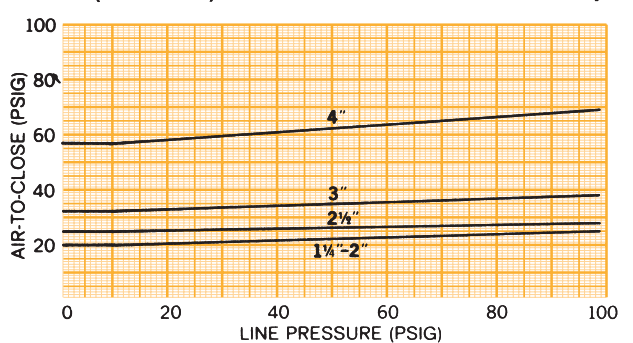


Chart F
 No. 50 (-84 3350) actuator with **PTFE PLASTIC** Diaphragm



Air Requirements for Weir Type Dualrange Valves

3300 Series 100% ΔP Dualrange

3300 Series Double Acting Actuators 100% ΔP

Air to Open, Air to Close

3375

Chart G
 No. 75 (-84 3375) actuator with **ELASTOMER** Diaphragm

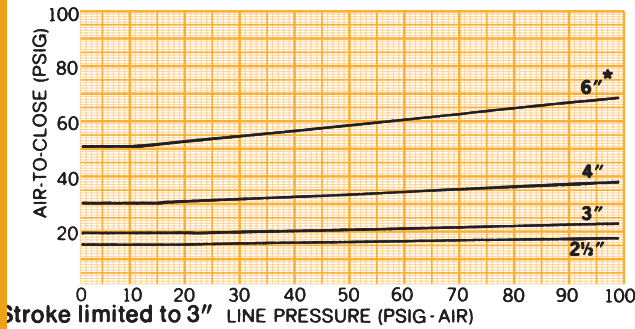
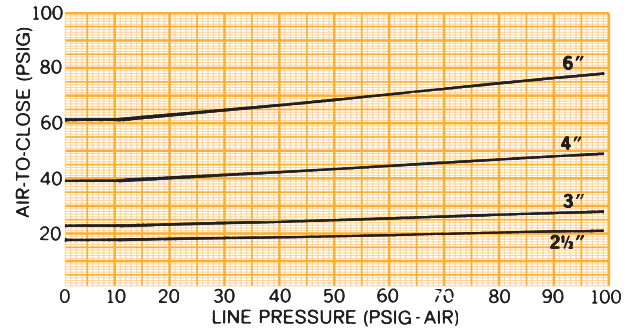


Chart H
 No. 75 (-84 3375) actuator with **PTFE PLASTIC** Diaphragm



33101

Chart I
 No. 101 (-84 33101) actuator with **ELASTOMER** Diaphragm

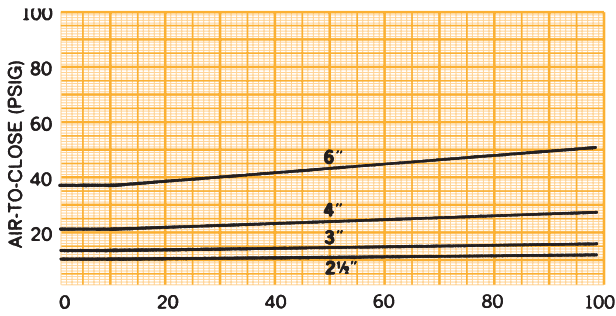
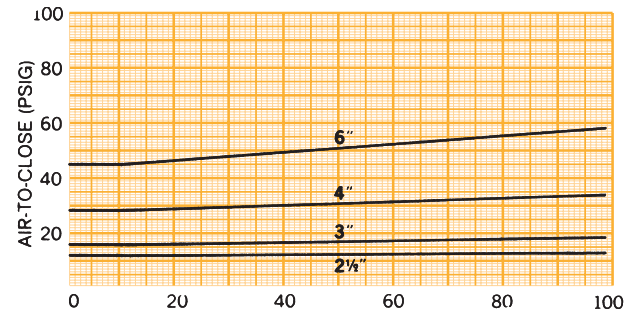


Chart J
 No. 101 (-84 33101) actuator with **PTFE PLASTIC** Diaphragm



33130

Chart K
 No. 130 (-84 33130) actuator with **ELASTOMER** Diaphragm

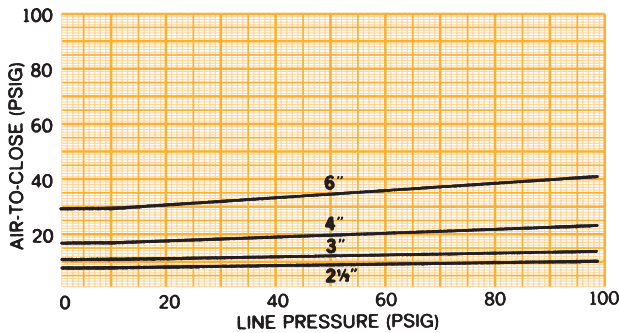


Chart L
 No. 130 (-84 33130) actuator with **PTFE PLASTIC** Diaphragm

