



## Double Acting Pneumatic Actuator for Knife Gate Series D and DX



Valve Size	Minimun Plant Air Available [Psi]	Working Pressure [Psi]							
		20	40	60	80	100	120	140	150
3"	60	R-4	R-4	R-4	R-4	R-4	R-6	R-6	R-6
	80	R-4	R-4	R-4	R-4	R-4	R-6	R-6	R-6
4"	60	R-4	R-4	R-4	R-6	R-6	R-6	R-6	R-8
	80	R-4	R-4	R-4	R-6	R-6	R-6	R-6	R-6
6"	60	R-4	R-6	R-6	R-8	R-8	R-10	R-10	R-10
	80	R-4	R-6	R-6	R-8	R-8	R-8	R-8	R-8
8"	60	R-6	R-8	R-8	R-10	R-10	R-10	R-12	R-14
	80	R-6	R-6	R-8	R-10	R-10	R-12	R-12	R-12
10"	60	R-6	R-8	R-10	R-12	R-14	R-14	R-16	R-16
	80	R-6	R-8	R-10	R-10	R-12	R-12	R-14	R-14
12"	60	R-8	R-10	R-12	R-14	R-14	R-18	R-18	R-20
	80	R-6	R-8	R-10	R-12	R-14	R-14	R-16	R-16
14"	60	R-10	R-12	R-14	R-16	R-18	R-20	R-24	R-24
	80	R-8	R-10	R-12	R-14	R-16	R-16	R-20	R-20
16"	60	R-10	R-14	R-16	R-20	R-20	R-24	R-24	R-24
	80	R-8	R-12	R-14	R-16	R-18	R-20	R-20	R-24
18"	60	R-10	R-14	R-18	R-20	R-24			
	80	R-10	R-12	R-16	R-18	R-20	R-24	R-24	
20"	60	R-12	R-16	R-20	R-24				
	80	R-10	R-14	R-18	R-20	R-24	R-24		
24"	60	R-14	R-20	R-24					
	80	R-12	R-16	R-20	R-24				

Thrust Requirements								
Valve Size	Working Pressure [Psi]							
	20	40	60	80	100	120	140	150
3"	106	212	318	424	530	636	742	795
4"	188	377	566	754	942	1131	1319	1414
6"	424	848	1272	1696	2121	2545	2969	3181
8"	754	1508	2262	3016	3770	4524	5278	5655
10"	1178	2356	3534	4712	5890	7069	8247	8436
12"	1696	3393	5089	6786	8482	10179	11875	12723
14"	2309	4618	6927	9236	11545	13854	16163	17318
16"	3016	6032	9048	12064	15080	18096	21112	22619
18"	3817	7634	11451	15268	19085	22902	26719	28628
20"	4712	9425	14137	18850	23562	28274	32987	35343
24"	6786	13572	20358	27143	33929	40715	47501	50894

- Notes:
- Thrust requirements may change if the working conditions vary from the above inputs.
  - Please contact Red Valve Company if the above slot is blank for technical advice.
  - Larger Sizes available upon request, please contact factory.
  - Please contact Red Valve Company or Local Representative for further assistance.

