

max. permissible closing pressures for parabolic plug on flow to open $P_2 = 0$

(Observe pressure-temperature-limits on page 13. Plug design acc. to „Selection of flow restrictors“, refer to page 13.)

Size		1"					1 1/2"		2"			3"			4"			6"			8"						
Standard ³⁾ Cv-values	Seat-Ø (in)						0.98			1.57				1.97				3.15			3.94			5.91			7.87
	Cv-value						12			29				46				116			185			462			728
	Travel (in)						0.79			1.18				1.18				1.18			1.18			1.97			2.56
Reduced Cv-values	Seat-Ø (in)	0.12	0.2	0.47	0.71	0.87		0.98	1.26		1.26	1.57		1.97	2.56		2.56	3.15		3.94	4.92		4.92	5.91			
	Cv-value	0.29 0.18 0.12	0.73 0.46	2.9 1.8 1.2	4.6	7.3		12	18		18	29		46	73		73	116		185	289		289	462			
	Travel (in)	0.79	0.79	0.79	0.79	0.79		0.79	0.79		0.79	1.18		1.18	1.18		1.18	1.18		1.18	1.97		1.97	1.97			
Actuator ¹⁾ ARI-PREMIO 495 lbf	Closing pressure (psi)	I.	740	740	740	740	677	521	510	306	191	306	191	117	116	64	39	64	39	22	22						
		II.	740	740	740	740	634	488	466	279	173	279	173	106	103	56	34	56	34	19	19						
		III.	461	457	442	430	421	415	415	262	162	262	162	99	99	54	32	54	32	18	15						
	Operating time ²⁾ (s)						53		53	79	53	79		79		79		79		79							
Actuator ¹⁾ ARI-PREMIO 1124 lbf	Closing pressure (psi)	I.					740	740	740	740	502	740	502	318	316	183	118	183	118	73	73	45	29				
		II.					740	740	740	740	484	740	484	306	303	176	113	176	113	70	70	42	28	40	26		
		III.	580	580	580	580	580	580	580	580	473	580	473	299	299	173	111	173	111	69	66	40	26	40	26		
	Operating time ²⁾ (s)						53		53	79	53	79		79		79		79		79	132		132				171
Actuator ¹⁾ ARI-PREMIO 2698 lbf	Closing pressure (psi)	I.								740		740	740	740	482	316	482	316	200	200	126	86					
		II.								740		740	740	740	474	311	474	311	197	197	124	85	121	83	45		
		III.								580		580	580	580	472	309	472	309	196	193	122	83	122	83	45		
	Operating time ²⁾ (s)									38		38		38		38		38		38	63		63				82
Actuator ¹⁾ ARI-PREMIO 3372 lbf	Closing pressure (psi)	I.														610	401	610	401	255	255	161	111				
		II.														602	396	602	396	252	252	159	109	156	107	59	
		III.														580	394	580	394	250	248	157	107	157	107	59	
	Operating time ²⁾ (s)															79		79		79	132		132				171
I. Fig. 470: PTFE-V-ring unit		II. Fig. 470: PTFE- / pure graphite-packing											III. Fig. 471: Bellows seal														