



A&L Valve and Fitting

API 598 Test Cast Steel

SHELL TIME		SEAT TIME LOW OR HIGH		BACKSEAT TIME	
2" & Smaller	15 SECONDS	2" & Smaller	15 SECONDS	2" - 6"	1 MINUTE
2 1/2" - 6"	1 MINUTE	2 1/2" - 6"	1 MINUTE	2" - 6"	1 MINUTE
8" - 12"	2 MINUTES	8" - 12"	2 MINUTES	8" - 12"	1 MINUTE
14" & LARGER	5 MINUTES	14" & LARGER	5 MINUTES	14" - LARGE	2 MINUTES

CLASS 100 F	SHELL HYDRO	BACKSEAT	LOW CLOSURE	HIGH CLOSURE
(125#) 200 WOG	300 PSI	220 WATER OR 80 AIR	80 AIR	220 WATER
(150#) 285 WOG	450 PSI	314 WATER OR 80 AIR	80 AIR	314 WATER
(300#) 740 WOG	1125 PSI	814 WATER OR 80 AIR	80 AIR	814 WATER
(600#) 1480 WOG	2250 PSI	1628 WATER OR 80 AIR	80 AIR	1628 WATER
(800#) 1975 WOG	2975 PSI	2173 WATER OR 80 AIR	80 AIR	2173 WATER
(900#) 2220 WOG	3350 PSI	2442 WATER OR 80 AIR	80 AIR	2442 WATER
(1500#) 3705 WOG	5575 PSI	4076 WATER OR 80 AIR	80 AIR	4076 WATER
(2500#) 2220 WOG	6170 PSI	6787 WATER OR 80 AIR	80 AIR	6787 WATER

Notes: WOG x 1.5 = SHELL & WOG x 110% = HIGH CLOSURE & BACKSEAT

Allowable Leakage

Valve	Liquid Test Drops Per Minute	Gas Test Bubbles Per Minute
2"	0	0
2 1/2" - 6"	12	72
8" - 12"	20	120
14" - LARGER	28	168

* INFORMATION SOURCE: API STANDARD 598 SIXTH EDITION, SEPT 1990

www.ALValve.com

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