

API 598 Test Table

Cast Steel

SHELL TIME

2" & Smaller	-	15 SECONDS
2 1/2" - 6"	-	1 MINUTE
8" - 12"	-	2 MINUTES
14" & LARGER	-	5 MINUTES

SEAT TIME LOW OR HIGH

2" & Smaller	-	15 SECONDS
2 1/2" - 6"	-	1 MINUTE
8" - 12"	-	2 MINUTES
14" & LARGER	-	5 MINUTES

BACKSEAT TIME

2" - 6"	-	1 MINUTE
8" - 12"	-	1 MINUTE
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 .