

RELIEF VALVES... TECHNICAL INFORMATION

Safety Relief Valve Tests— Acceptable Range of Pop-off and Blow Down Pressures

ACCEPTABLE RANGE OF POP-OFF PRESSURES AND BLOWDOWN (CLOSE) PRESSURES							
NOTE: VALVES MUST EXHIBIT A DEFINITE OPEN AND CLOSE PRESSURE							
SET PRESSURE	ACCEPTABLE POP-OFF PRESSURE RANGE PSIG	ACCEPTABLE BLOWDOWN OF CLOSE PRESSURE RANGE PSIG					
		800 , 800QR, 800QRW, 801, & 801DHC	803, 803QC, 812, & 813	804 & 814	804R	805 & 815	805R
50	49-51	36-44	28-33				
75	73.5 - 76.5	54 - 66	41 - 49	56 - 64	52-60	56 - 62	61-67
100	98 - 102	72 - 88	55 - 65	75 - 85	69-79	75 - 83	81-89
125	122.5 - 127.5	90 - 110	69 - 81	94 - 106	87-99	94 - 104	102-112
150	147 - 153	108 - 132	82 - 98	112 - 127	104-119	112 - 124	122-134
175	171.5 - 178.5	126 - 154	96 - 114	131 - 148	122-139	131 - 145	142-156
200	196 - 204	144 - 177	110 - 130	150 - 170	139-159	150 - 166	163-179
225	220.5 - 229.5	161 - 199	124 - 146	168 - 191	156-179	168 - 186	183-201
250	245 - 255	179 - 221	137 - 163	187 - 212	174-199	187 - 207	203-223
275	269.5 - 280.5	197 - 243	151 - 179	206 - 233	191-219	206 - 228	223-245
300	294 - 306	215 - 265	165 - 195	225 - 255	208-238	225 - 249	244-268
325	318.5 - 331.5	233 - 287	179 - 211	243 - 276	226-258	243 - 269	264-290
350	343 - 357	251 - 309	192 - 228	262 - 297	243-278	262 - 290	284-312
375	367.5 - 382.5	269 - 331	206 - 244	281 - 318	261-298	281 - 311	305-335
400	392 - 408	287 - 353	220 - 260	299 - 339	278-318	299 - 331	325-357

NOTE: POP-OFF PRESSURE MAXIMUM VARIANCE IS +2%

BLOWDOWN (CLOSE) PRESSURE RANGE IS APPROX. BETWEEN 35% AND 45%

Note: Valves must exhibit a definite open and close pressure.