

PENBERTHY

application report

Section 2000
 Application Report 2787.1
 Issued 05/05
 Replaces 10/04

For: HYDROTEST PROCEDURE FOR GAGES

MODEL	TEST PRESSURES (PSIG)	TEST MEDIUM	MINIMUM TEST TIME	REMARKS
RL, TL, RM, RMR, TM, TMR, RH, RHR, TH, THR, RLC, TLC	150% (1.5 times) rated pressure on the pressure/temperature application report	water	2 minutes	sample testing - zero defects, Ref ASQC Publication #H0862-1994
TSL, TSM	150% (1.5 times) rated pressure on the steam water gage selection guide application report	water	2 minutes	100% tested
TU	150% (1.5 times) rated pressure on the pressure/temperature application report	nitrogen gas	5 to 15 minutes	100% tested (no bubbles allowed for 5 minutes)
all models with Mica shields	150% (1.5 times) rated pressure on the pressure/temperature application report	water	2 minutes	100% tested
all models with 1/16" thick PCTFE (Kel-F®) shields/gaskets	450 psig	water	2 minutes	100% tested
all models with 0.006" thick PCTFE (Kel-F®) shields	150% (1.5 times) rated pressure on the pressure/temperature application report	water	2 minutes	100% tested
all models with polymer elastomeric gaskets	450 psig	water	2 minutes	100% tested

ACCEPTABLE QUALITY LEVEL (C = 0, Ref ASQC Publication #H0862-1994)^A
 reject if any defective parts are found

Lot or Batch Size	Sample	Accept	Reject
2 - 8	5	0	1
9 - 15	5	0	1
16 - 25	5	0	1
26 - 50	5	0	1
51 - 90	7	0	1
91 - 150	11	0	1
151 - 280	13	0	1
281 - 500	16	0	1
501 - 1200	19	0	1

^A inspection will, on a random basis, select and retest at 150% rated pressure. Any certified hydrotest is done at 150% of rated pressure.

PENBERTHY

application report

Section 2000
 Application Report 2787.2
 Issued 05/05
 Replaces 10/04

For: HYDROTEST PROCEDURE FOR GAGECOCKS

MODEL	TEST PRESSURES (PSIG)	TEST MEDIUM	MINIMUM TEST TIME	REMARKS
120, 130, 220, 230, 320, 330, 420, 430, 520, 530, 630, 720, 730, 780	150% (1.5 times) rated pressure on the pressure/temperature application report	water	1 to 2 minutes	no leaks at stem or seat sample testing - zero defects, Ref ASQC Publication #H0862-1994
N2A, N2B, N2C, K2A, K2B, K2C	150% (1.5 times) rated pressure on the pressure/temperature application report	water	1 to 2 minutes	no leaks at stem or seat sample testing - zero defects, Ref ASQC Publication #H0862-1994
K3A, K3B, N6A, N7A, N7B	150% (1.5 times) rated pressure on the pressure/temperature application report	water	1 to 2 minutes	no leaks at stem or seat sample testing - zero defects, Ref ASQC Publication #H0862-1994
Drain cocks	750 psig	water	1 to 2 minutes	no leaks at stem or seat sample testing - zero defects, Ref ASQC Publication #H0862-1994
SB try cocks	375 psig	water	1 to 2 minutes	no leaks at stem or seat sample testing - zero defects, Ref ASQC Publication #H0862-1994

ACCEPTABLE QUALITY LEVEL (C = 0, Ref ASQC Publication #H0862-1994)^A
 reject if any defective parts are found

Lot or Batch Size	Sample	Accept	Reject
2 - 8	5	0	1
9 - 15	5	0	1
16 - 25	5	0	1
26 - 50	5	0	1
51 - 90	7	0	1
91 - 150	11	0	1
151 - 280	13	0	1
281 - 500	16	0	1
501 - 1200	19	0	1

^A inspection will, on a random basis, select and retest at 150% rated pressure. Any certified hydrotest is done at 150% of rated pressure.