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TO: Evans Components INC

Subject: 1/4" and 1/2" Evans 80 Series Ball Valve

Equipment used to perform testing

Alcatel 180 TD leak detector was used

Leak tested 1/4" Evans 80 Series Ball Valve in series with the 1/4" Modular G stick

Leak Test intervals with associated leak rates:

50 cycles	4.0e-8
100 cycles	4.0e-8
250 cycles	2.2e-7
500 cycles	2.2e-7
750 cycles	6.0e-7
1000 cycles	2.1e-6

There was approximately a 2 decade change in leak rate from starting cycle to finished cycles.

Leak tested 1/2" Evans 80 Series Ball Valve in series with the 1/2" Modular G stick

Leak Test intervals with associated leak rates:

50 cycles	8.9e-8
100 cycles	1.0e-9
250 cycles	2.7e-8
500 cycles	9.7e-8
750 cycles	1.2e-7
1000 cycles	5.2e-7

There was approximately a 1 decade change in leak rate from starting cycle to finished cycles.

All testing was done to Semi Standards with traceable calibrated equipment.

PM/QAR
Rick Cannetti
Applied Mechanical