

Powell Valve Low Emissions Performance

Performance to 100 ppm or below for 5 years on Powell Valves' with Chesterton 1622 packing when the "Conditions for Service" are followed and documented (valve will have metal tag stating API 622 or API 624). Powell's Low-E valves have been tested in accordance with API 624 Type Testing of Rising Stem Valves with Graphitic Packing for Fugitive Emissions.

Performance Period

100 ppm Maximum Fugitive Emission leakage for 5 years after shipment from distribution or from Powell inventory direct to facility.

Conditions for Low-E Service

1. Must follow all instructions as stated within Powell Valves' maintenance manual.
2. It is the responsibility of the installer/end user to ensure the compatibility of the media to the packing system.
The above performance warranty shall be invalid in services where the media is not compatible with the graphite/inconel packing system. For more information on packing/media compatibility, contact Powell Engineering or The A.W. Chesterton Company.
3. Valves must be stored properly in accordance with Powell Valves' maintenance manual.
4. Valves must be protected and handled properly during plant construction and transportation. This includes the protection of exposed stems and the glands of valves when painting and sandblasting.
5. Keep valve stem free of scratches and/or corrosion.
6. Thoroughly inspect valve prior to installation and placement into service.
7. Upon installation, the end user must check that the packing gland nut or packing torque is at the manufacturer's recommendation.
8. Within 2 weeks of installing the Low-E valve(s), the end user must check that the packing gland nut or packing torque is at the manufacturer's recommendation.
9. Proper and adequate gland re-tightening in accordance with Powell Valves' maintenance manual to maintain valve performance and reduce potential leaks above allowable limits.
10. Regularly inspect valves after they are placed into service.
11. Performance applies only when leakage is detected to be 100 ppm above background and after the first repair attempt has been completed in accordance with 40CFR61.242-7 to ensure the torque is at the recommended value as stated within Powell Valves' maintenance manual.