

5000/5718 Packing Set



Graphite Washer
Style 5000 Braided Packing
Graphite Washer
Style 5718
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Graphite Washer

Nuclear Division

The Ultimate Solution in Low Friction Packing

AP Style 5000/5718 is the perfect packing set for control valve applications and boric acid systems. These applications require the highest quality sealing capabilities while maintaining low-friction characteristics. AP Style 5000/5718's unique materials and construction have resolved valve performance and leakage issues across the industry. The high temperature and radiation limits combined with the flexibility of a PTFE-based product provide an elite fluid sealing solution.

CURTISS - WRIGHT

Low Friction Packing: Specifically developed for air-operated valves, utilizing expanded PTFE fibers.

Durable and Resilient: Combines the core of Style 5000, preventing leakage and wear.

Independently Tested: Tested to withstand temperatures up to 615 °F and radiation up to 40MRad exposure.

Versatile and Reliable: Handles acids, chemicals, water, steam, and oil in high-temperature conditions.



Description

The AP Style packing set delivers reliable, high-performance results across a wide variety of applications. Standard configurations utilize Style 5000 end rings, Style 5718 center rings, and Style 6200N graphite washers.

Operation

Combining AP Style 5000 and 5718 packing into a set ensures excellent sealing capabilities, extremely low friction, and a configuration that will not wear or score stems. The set can handle many types of media, including acids, chemicals, water, steam, and oil in high-temperature conditions.

Quality

AP Style 5000 and 5718 packing products are braided in strict accordance with our QC program. Additionally, this packing set has undergone rigorous testing conducted by AECL to ensure its suitability. AECL test reports conclude that Styles 5000 and 5718 meet or exceed the criteria specified for use in fossil and nuclear power plants.

Performance

Independent testing shows a 75% reduction in friction relative to an equivalent standard yarn and graphoil packing set while maintaining leak-free service.

Success Story

The 5000/5718 packing set's low frictional qualities will enable you to avoid "sticktion", a common challenge that results from the use of graphite in a leading suppliers control valves and feedwater regulating valves. Transitioning to our 5000/5718 packing set from a generic graphite packing system will eliminate concern for "Sticktion" without sacrificing packing performance.

Target Applications

- High-Cycling Control Valves
- Boric Acid Systems
- Motor Operated Valves
- Air Operated Valves

Typical Properties

| | |
|---------------------|-----------|
| Maximum Temperature | 615 °F |
| Maximum Radiation | 40 MRADS |
| Maximum Pressure | 3,500 psi |
| Maximum Shaft Speed | 4,000 FPM |
| pH Range | 0 - 14 |

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