

VALVE PACKING AND PUMP PACKING

The selection and specification of valve packing and/or pump packing is as complex as selecting the correct type of valve for the service and process design! We leverage our service expertise to aid in the selection of the proper pump packing so that you get reliability and the best performance possible. The brands and types of valve packing are numerous and it is important to understand the various trade-offs in reliability, deliveries, qualities and costs. We are an authorized distributor for Slade packing and we stock various sizes and styles of pump and valve packing to help meet your needs. We also have a network of suppliers for other valve packing products by Garlock and Chesterton and we can meet your pump packing needs in a timely manner. Total Valve Systems is your one-stop shop for pump and valve packing!



SLADE

Total Valve Systems is proud to represent Slade Packing, Inc, a premier group of products designed for reducing shaft and stem wear, minimizing pump flush requirements, minimizing VOC emissions and providing fire safe protection for valves handling flammable products. Slade packing is manufactured with a patented process where the vermiculated graphite is bonded to pure carbon fibers that produce a durable matrix of 99.5% pure carbon graphite sealing element. Unlike other products with simple graphite dispersion to produce sealing the graphite will not be washed out under normal conditions and will remain in to do the sealing. Commonly stocked in various sizes:

3300G

- Braided graphite foil w/ carbon fiber reinforcement. Carbon fiber corners for anti-extrusion.
- (pH 0–14) Temperatures to 1800°F (1000°C).
- Pumps: No flush up to 4800 fpm (1400 m/min), most applications.
- Valves: Pressures up to 5000 psi (350 kg/cm²).
- Slade's best all purpose pump and valve packing.

3300C

- Braided graphite foil w/ carbon fiber reinforcement. Carbon fiber corners for anti-extrusion.
- (pH 0–14) Temperatures to 1800°F (1000°C).
- Pumps: No flush up to 4800 fpm (1400 m/min), most applications.
- Valves: Pressures up to 1000 psi (70 kg/cm²).
- Slade's most cost effective pump and valve packing.

3300CJ

- Braided graphite foil w/ carbon fiber reinforcement.

3300CJK

- 3300CJ w/ Kevlar corners and anti-extrusion ring to protect against particulate contamination.
- Temperatures to 500°F (260°C).

VALVE PACKING AND PUMP PACKING

Total Valve Systems is your one solution for all your demanding valve and gauge applications in your facilities, for on-site and in-house service for all brands of pressure relief and all types of process line valves. We provide Pressure Relief Valves, Vacuum Relief Valves, Process Line Valves, Check Valves or Vent Valves, Excess Flow Valves and Actuation Control Valves.



With continuous research and state-of-the-art advancement, Chesterton can offer a full-line of packing technology that delivers the highest performing sealing systems for a wide range of applications. Chesterton packings offer maximum reliability and low leakage rates for maximum impact. Chesterton packings for general and high performance valve sealing offer excellent seal ability and superior reliability across a wide range of applications. Commonly available in various sizes:

1400R

- Reinforced braided graphite tape.
- Temperature: 1200°F (650°C) steam, 850°F (455°C).
- (pH 0–14) Except oleum, fuming nitric acid, and aqua regina.
- Pressure: To 4,000 psig (275 bar).
- Shaft speed: 4,000 fpm (20 m/s).
- Chesterton's multi-purpose packing.

1600/1601

- Inconel reinforced graphite tape with blocking agents.
- Temperature: 1200°F (650°C) steam, 850°F (455°C).
- (pH 0–14) Except strong oxidizers.
- Pressure: Mod 1600–To 8,400 psig (580 bar g). Mod 1601–To 5,000 psig (345 bar g).
- Shaft speed: 4,000 fpm (20 m/s).
- Formulated to meet purity requirements of the nuclear industry.

1724/324

- Non-Hardening PTFE yarn treated with protective lubricants.
- Temperature: 500°F (260° C).
- (pH 0–14).
- Pressure: 3,000 psig (210 bar g).
- Chesterton's guaranteed packing.



Garlock

SEALING TECHNOLOGIES®

The Garlock Sealing Technologies Company is committed to supplying the highest quality engineered products to industry throughout the world. Garlock packing is designed to give the user the greatest return on initial investment in terms of leakage control, service life, and dependable, cost-effective product. The facility also houses the Garlock Textile Division, where they continue to research and develop new fiber blends to bring customers a wide array of packings with optimum performance characteristics. Commonly available in various sizes:

G-200

- Lattice braided flexible graphite lubricated with graphite dispersion.
- Temperature: -328°F (-200°C) to +850°F (+455°C). Atmosphere to +1200°F (650°C) in steam.
- (pH 0–14) Except strong oxidizers.
- Pressure: To 500 psi (34 bar).
- Shaft speed: 4,000 fpm (20 m/s).
- Ideal choice for high temperature slurry service.

1300-E

- Offset square braided flexible graphite.
- Temperature: -328°F (-200°C) to +850°F (+455°C). Atmosphere to +1200°F (650°C) in steam.
- (pH 0–14) Except strong oxidizers.
- Pressure: To 500 psi (34 bar).
- Shaft speed: 4,000 fpm (20 m/s).
- Entry level graphite packing, handles high temperature rotary and valve service.

1333-G

- Offset square flexible graphite braid reinforced with graphite dispersion.
- Temperature: -328°F (-200°C) to +850°F (+455°C). Atmosphere to +1200°F (650°C) in steam.
- (pH 0–14) Except strong oxidizers.
- Pressure: To 500 psi (34 bar).
- Shaft speed: 4,800 fpm (23 m/s).
- Garlock's best all purpose pump and valve packing.