Burgmann Packings

BPG 6907

PROPERTIES

Cover Seals are precision pre-formed rings engineered for heavy-duty valves and high-pressure feedwater pre-heaters. They maintain elasticity under fluctuating temperatures and seating stresses up to 200 MPa. Larger gaps can also be reliably managed using BPG graphite rings reinforced with stainless steel springs or full metal caps, ensuring dependable performance in the most demanding operating conditions. BPG 6907 features one inner corner and one outer corner stainless steel metal cap.

APPLICATIONS

BPG Cover Seals are engineered for demanding applications including general valves, control valves, boilers, and high-pressure valves.

AVAILABILITY

BPG Cover Seals are available with a standard density of 1.6 g/cm^3, with 99.85 % C-content in nuclear quality and 98 % industrial quality, in a wide range of variations e.g. rectangular, with inside or outside angle, with integrated extrusion protection in form of metal caps. Additional designs available on request.

OPERATION PARAMETERS

Temperature	−200°C ... +550°C (almost all media and air) −200°C ... +700°C (steam) -200°C ... +2500°C (inert gas)
pH Value	0 ... 14
Pressure	100 MPa

PRODUCT SPECIFICATIONS

Media	Hot water, steam, gases, oils, acids and alkalis. Exceptions: strongly oxidising acids such as sulphuric and nitric acid in high concentrations.
Certificates / Approvals	BAM approval

BENEFITS

→ High chemical resistance and thermal stability
→ Strong sealing ability with elasticityNo cold flow, shrinkage, or aging
→ Meets nuclear purity standards (<20 ppm chlorides)
→ Adaptable, reliable, and cost-saving with maintained elasticity

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