

BLACK-MAX® Gaskets

Strong. Reliable. Long-Lasting.

Looking for a gasket that stands up to extreme pressure? That offers leak-free performance even on rough, pitted surfaces? You need the new BLACK-MAX® gasket—made from foil-reinforced, exfoliated graphite. These gaskets are made from multiple layers of exfoliated graphite foil and 316 stainless steel foil insuring gasket stability. You can use them in virtually any situation, in environments that run from a cryogenic -400°F to 1,200°F steam temperature. Now you can standardize your gasket selection, they are available in popular shapes: Oval, obround, rectangular, round, and square.

Key BLACK-MAX® Advantages

No Leakage Under Pressure. Even the slightest leakage will increase maintenance requirements and reduce your product's life. Field tests by major end-users confirm that BLACK-MAX® gaskets seal with zero leakage in steam and in cold-water hydro tests. BLACK-MAX® withstands working steam temperatures up to 1,200°F. Rubber gaskets can't withstand that kind of pressure and heat.

Easy Removal. Removal is easy and requires no scraping, chiseling or grinding - resulting in lower maintenance costs and less downtime.

Clearly Marked Sizes. Each gasket's size is permanently marked, so you'll know immediately that you have the one you need.

Maximum Sealing on Rough Surfaces. Rough and pitted surfaces on old or poorly maintained flanges pose no problem for BLACK-MAX® gaskets: the material is resilient enough to conform perfectly to the surface topography and maintain the tightest seal.

Chemical Resistance. The proprietary graphite used to manufacture BLACK-MAX® is chemically inert (pH 0 -14) and resistant to chemicals used in treating boiler water.

Custom BLACK-MAX® gaskets are no problem and can be designed and produced without tooling charges!

Say Goodbye to Spiral-Wound Gaskets

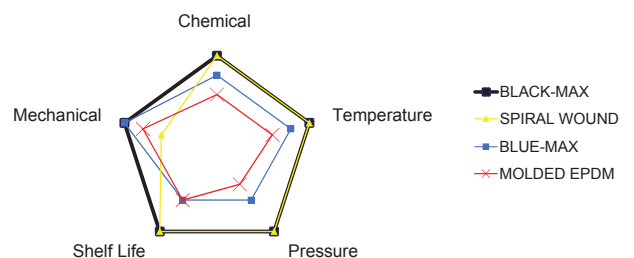
Compared to spiral wound gaskets, BLACK-MAX® gasket seal better and has much better recovery properties. It also weighs less than half of that of spiral gaskets, so they're easier to handle and you'll save on freight charges. And while spiral gaskets require near-perfect conditions, BLACK-MAX® gaskets seal on rough, pitted surfaces under less compressive load.

Extended Shelf Life. BLACK-MAX® gaskets won't dry out or lose their strength while sitting on the shelf.

Top-Rated Service. For 58 years, O.G. Supply has provided fast, responsive service. We stock all popular sizes and offer 24-hour turnaround on special orders.

Ideal Applications for BLACK-MAX® Gaskets

- Steam pressure vessels
- Hot water heaters
- De-mineralizers
- Steam humidifiers
- Water purifiers
- Refrigeration units
- Filtering units
- Liquid treatment vessels
- Compressed air tanks
- Dryer cans in paper mills
- Water towers
- Water softeners
- De-aerators
- Make-up tanks



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Specifications

Temperature -400°F (-240°C) to +850°F (+454°C) in atmosphere,
+1200°F (+650°C) in steam

Pressure (max) 2000 psig (70 bar)

P x T (max) 175,000 (6,000) ¼"

M Factor 2 (smooth Flange Surface)

Y Stress 900 psi (6 MPa) (Smooth Flange Surface)

Maximum Gasket Load 24,000 psi (165 MPa)

How to Order

When ordering OVAL, OBROUND and RECTANGULAR gaskets, specify inside dimensions of width (W) and length (L), flange width (FW) and shape. When ordering ROUND and SQUARE gaskets, specify inside dimension, flange width and shape. Standard thickness is ¼" nominal unless otherwise specified.

How to Measure

