

# Topog-E Series 180<sup>®</sup> gaskets

They're what your boiler would choose...

## THE STEAM BOILER INDUSTRY'S STANDARD GASKETS

The steam boiler market makes extreme demands on gaskets; Topog-E<sup>®</sup> molded rubber gaskets are specifically formulated to meet and exceed these demands and deliver industry standard performance.

**Topog-E<sup>®</sup> Series 180** gaskets have been refined through a series of over 600 research formulation tests to ensure that they are able to meet the exacting performance standards of the steam boiler industry.

Specifically they:

**Conform** to the topography of the mating surfaces

**Withstand** a boiler's full, continuous and cycling operating pressures

**Withstand** continuous exposure to water treatment chemicals

**Withstand** continuous exposure to ion and oxygen attack in hot air

**Prevent** all leakage

**Replace easily**, without chiselling or buffing

## MATERIAL DESCRIPTION

**SPECIAL, PROPRIETARY RUBBER COMPOSITION, BLACK, 80-85 DUROMETER.**

## SERVICE SUMMARY

**Steam boilers: up to 180 PSI (12 bar) and 380° F. (193° C) Water, condensate, etc. vessels: 200+ PSI (14 bar) and less than 300°F. (150°C)**



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## APPLICATIONS

When used on steam pressure vessels **Topog-E<sup>®</sup> Series 180** gaskets are typically used at operating pressures of up to 180 PSI (12 bar) and saturated steam temperatures up to 380° F. (193° C) for an average service life of one year. When used in other applications (e.g. condensate, water, and air vessels) **Topog-E<sup>®</sup> Series 180** gaskets are sometimes used at pressures above 200 PSI (14 bar) where temperatures are typically more moderate (e.g. below 250°F/121°C.). When operating under less severe conditions (e.g. water applications at ambient temperatures) **Topog-E<sup>®</sup> Series 180** gaskets can provide very long service lives.

**Topog-E<sup>®</sup> Series 180** gaskets have been used successfully around the world for over forty years. In general, any type of industrial pressure vessel or tank that has inspection openings is a potential application where **Topog-E<sup>®</sup> Series 180** gaskets can be used as a cost effective sealing device. In addition to using them in steam pressure vessels, customers also use Topog-E<sup>®</sup> molded gaskets and sheet material with great success in many other applications, including:

- Water softeners
- Hot water heaters
- Steam humidifiers and cookers
- Water purifiers and demineralizers
- Refrigeration units
- Liquid treatment vessels
- Carbon absorption and filtering vessels
- Dryer cans in paper mills
- Water hydrants
- Mixing tanks
- Compressed air tanks
- Various types of dryers
- Air starters and receivers
- Deaerators
- Hatch covers
- Water towers and columns
- PVC reactor vessels

## INSTALLATION ENVIRONMENT & SUITABILITY

**Topog-E<sup>®</sup> Series 180** gaskets are specifically formulated to have excellent resistance to steam and hot and cold water.

They also have good resistance to:

- |                             |                |                         |
|-----------------------------|----------------|-------------------------|
| ■ Alcohols                  | ■ Dilute acids | ■ Selected refrigerants |
| ■ Ketones                   | ■ Bases        | ■ Animal and vegetable  |
| ■ Phosphate esters          | ■ Salts        | fats                    |
| ■ Silicone oils and greases | ■ Glycols      |                         |
|                             | ■ Ammonia      |                         |

Water treatment chemicals, when used in accordance with supplier's guidelines, should not have a significant effect on the service life of properly installed **Topog-E<sup>®</sup> Series 180** gaskets.

**Topog-E<sup>®</sup> Series 180** gaskets are not recommended for use in applications where they see direct exposure to high concentrations of aromatic hydrocarbons, chlorinated solvents, or petroleum based oils, fuels, and lubricants.

## SIZES

**Topog-E<sup>®</sup> Series 180** Gaskets are available in 350 stock sizes and shapes.

Custom shapes, sizes and sheet material are available on request

## ORDERING

Please either contact your local distributor for **Topog-E<sup>®</sup> Series 180** gaskets or contact Topog-E directly for details of your nearest distributor.



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