

KWO® MultiTex® DK Ring steam boiler gasket



KWO® MultiTex® DK Ring

especial designed gasket for oval inspection ports of boilers and tanks. Lasting gasket for the high demand of safety and tightness up to **250°C** and **40bar** pressure.

KWO® MultiTex® DK Ring

is tested and approved by German TÜV according VdTÜV-Instruction TRD 401 / Dichtung 100, **highest level test category D**

The soft material can fit perfect to uneven surface structures, very high adaptability at installation ensures exceptional tightness in cold water pressure tests.

Advantages

- high adaptability, suitable for flanges with corrosion and with uneven sealing surface
- pressure test and service with the same gasket
- very easy installation and removal
- anti-sticking material, low effort for surface cleaning when installing a new gasket
- no embrittle of the gasket in storage or in service
- pure PTFE, conform to FDA standards

Product Data

Material

pure virginal PTFE with multidirectionally expanded fibrous structure

Chemical resistance

pH 0 to 14, resistant to all media, very high resistance to aggressive boiler water according TRD601.

Resistance to aging

in the permissible field of application there is no ageing of **KWO® MultiTex® DK Ring**

Temperature Range

certified and permitted up to 250°C

Pressure Range

certified up to 40bar operation pressure at 250°C cold water pressure test up to 88bar

physiologically harmless

contains only material conforming to FDA requirements for use in contact with food



Application fields

Steam boilers and tanks

Manhole doors from steam boilers as well as inspection ports in boilers and tanks of all common sizes and manufactures.

Form of delivery

Delivered as ready to use gasket ring, single packed with installation instruction

Gasket rings are available from stock in the following standard dimensions:

80 x 120 x 15	220 x 320 x 25
100 x 150 x 15	300 x 400 x 25
115 x 165 x 15	320 x 420 x 25
150 x 200 x 15	350 x 450 x 25

other dimensions are available on request

Approval and certificates

TRD 401 / VdTÜV Dichtung 100

type tested according to VdTÜV-Instruction TRD 401 / Dichtung 100 Test class D
Registration-No.: **TÜV.D.11-009.d**

KWO® MultiTex® DK Ring steam boiler gasket

Preparation before assembling

Always handle the gasket rings carefully. Avoid to squeeze or damage them and keep the rings clean.

Remove all old sealing material and clean the sealing surface carefully. Control the sealing surface for damages.

Door and socket must fit together also without assembling a gasket! Sealing surfaces must be even and suit full face one to the other (overwork or replace door when severely damaged!).

Select size of gasket according to door size.

Assembling

Place the oval gasket on the sealing surface of the door, assemble the door carefully in a centred position and tight the bolts according to the maximum applicable force for the used components (bolt, nut, crossbar).

Use a torque wrench and apply assembly paste. During assembly and heating-up-process tight the bolts always evenly in stages.

Torque recommendation

Torque the bolts according the instruction of the boiler manufacturer. If there is no recommendation the torque for bolts in the shown size can be used as guideline:

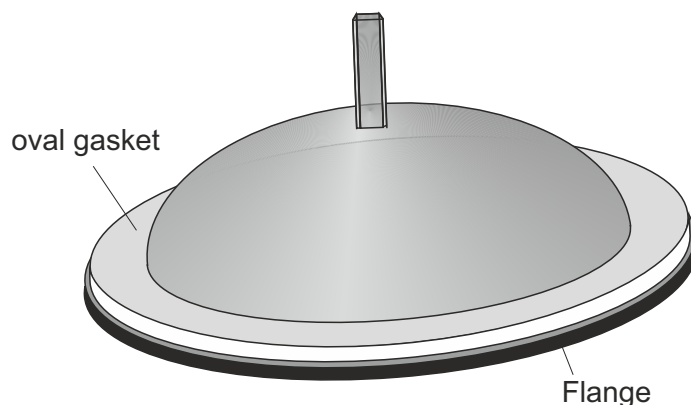
<u>Bolts</u>	<u>Torque</u>
M16	100 Nm
M20	180 Nm
M24	300 Nm
M30	600 Nm

Crossbar of the closure door must not get distorted! Defect material has to be replaced. Check the crossbars for a always tight fixed position, otherwise leakage can occur during cooling-down-process.

Operation

Retorque at least every 30 minutes up to the maximum operating temperature!

At operation temperature torque the bolts in the same period two times, and one more time at the end of the first operation cycle, after cooling down.



Technical support

our technical service will support you if there are any questions.