

TÜV NEDERLAND B.V.

SOBA TEST INSTITUTE

Nusterweg 125

6136 KT SITTARD

FIRE SAFE TEST CERTIFICATE

REGISTRATION / CERTIFICATE N°: 93.087.39A

TÜV Nederland B.V./Division SOBA Test Institute

hereby grants : **SGL-CARBON GmbH**
Werner von Siemens Strasse 18
D - 86405 MEITINGEN

the right to publish this certificate verbatim and unabridged,
considering the succesful testing by TÜV Nederland B.V. in compliance with the
British Standard 6755; Part 2; 1987; "fire type-testing requirements"
including amendments up till N°. 6712; 1991.
The Flange-leak rates applied are the External-leak rates of the forementioned standard.

TESTGASKETS

GASKET TYPE	: SIGRAFLEX HOCHDRUCK with inner eyelet, Grade V20011Z31 with 3 stainless steel inserts
Nominal Diameter	: DN 15, DN 32, DN 80, DN 200 and DN 400
Pressure Rating	: ANSI Class 150
Gasket Material	: Graphite with high-integrity stainless steel foil reinforcement
Gasket Insert	: 3 pieces of 0.05mm stainless steel 1.4401
Inner Eyelet	: 1.4571, 0.15mm
Purity	: According DIN 51903
Chloride	: ≤ 20 ppm
Testflange Material	: 1.4571
Testflange Bolts/Nuts	: A4 70 / A4 80
Date of Testing	: 12-10-1993
Report N°.	: B93.087.39A

QUALIFICATION RANGE

This certificate represents the validity for gaskets qualified as:

GASKET TYPE	: SIGRAFLEX HOCHDRUCK with inner eyelet, Grade V20011Z31 with 3 stainless steel inserts
Qualified Sizes	: DN 15 and larger (NPS ½" and larger)
Qualified Pressure Ratings	: ANSI Class 150 and Class 300 (PN 16, PN 25 and PN 40)

Sittard, 01-11-1993
TÜV Nederland B.V.
SOBA Test Institute

Ing. J.Kesting, Managing Director