



AOC SEAL

ANTI OVER-COMPRESSSION SEAL

Gee Graphite are pleased to have released to market the AOC Seal



GEE GRAPHITE LTD

AOC SEAL

The AOC Seal is an evolution of the traditional laminated seal for double and triple offset butterfly valves with one major difference. The AOC Seal eliminates the possibility of over compression, which can cause a collapse or distortion of the sealing ring.

As with the standard TOSV Seals, the AOC Seal can be supplied for both disc mounted or body mounted styles of valves and are supplied in sizes 2" (50mm) to 60" (1500mm) with specials available up to sizes 118" (2950mm).

How does it work?

The new designed sealing ring prevents the over-compression of the seal stack during clamping for machining. This is undertaken by inserting a Spacer Ring on the gasket layer, which directs the gasket layer directly into the Sealing face of the seal. (Conical Profile)

Like the Standard TOSV seal supplied by Gee Graphite Ltd, the AOC Seal is suitable for use in the following conditions:

- Cryogenic
- Gases
- Liquid
- Oil and Gas
- Steam

Benefits of the AOC Seal:

- Elimination of the possibility of over compressing the seal.
- Under compression, the Gasket material is directed solely into the conical profile.
- Less torque required to bolt down the seal.
- Zero leakage bi-directional.



Materials

Like the Standard Laminated Seals supplied by Gee Graphite Ltd, the AOC Seal will be supplied in various grades of metallic layers and gasket layers depending upon customer requirements.

Typically, utilized materials are as follows, but not limited to:

Metallic Layers

Stainless Steels (304 / 316L)
Duplex S31803
Super Duplex S32750 / S32760
INCONEL 625 / X750
Hastelloy C276
Titanium (Grade 2 / 5 AND 7)
Monel (K400 / K500)
Nitronic 50
Nitronic 60

UK PATENT# 1802537.9

Gasket Layers

Graphite
Virgin PTFE
RPTFE (25%)
MICA Type Materials
Fibre based Gasket Materials

Gee Graphite Ltd, Havelock Street, Ravensthorpe Industrial Estate,
Dewsbury, West Yorkshire, WF13 3LU, ENGLAND

Tel: +44 (0) 01924 480011 Email: sales@geegraphite.com www.geegraphite.com

