

# ENVIROFLEX™ 500

Flexitallic Enviroflex™ 500 is a high performance 'Low Emission' / 'Fugitive Emission' valve stem set.



## SERVICE:

Flexitallic Enviroflex™ 500 is supplied as a five ring set, comprising of three die-formed graphite rings and two braided (header and footer) end rings. The three central rings are die-formed using 99.85% purity exfoliated graphite. The two end rings are made from braided packing constructed from high purity expanded graphite over-knitted with Inconel wire.

## Typical Applications:

Isolating & Control Valves stem seals.

## NOTES:

NOT recommended for use with strong oxidising agents or alkali metals.

## MATERIALS:

99.85% purity nuclear grade exfoliated graphite foil and braided graphite packing with Inconel wire.

**Maximum recommended temperature:**  
450 °C (842 °F).  
Steam: 650 °C (1202 °F)

**Minimum recommended temperature:**  
-200 °C (-328 °F)

**Maximum recommended pressure:**  
Valve: 86MPa (12470 psi)  
Rotating: N/A

## TYPICAL PHYSICAL PROPERTIES:

Maximum Ash Content	0.15%
Maximum Leachable Chlorides	50 ppm
Maximum Speed (Valve only)	2 m/s (394 fpm)
pH Range	0 - 14

## APPROVALS:

API 607 Fire Safe.

## AVAILABILITY:

Available in solid ring form only (header and footer rings have a single split).

**Colour:** Dark Grey / Black - shiny.



This Data Sheet refers to the material as supplied. The information contained herein is given in good faith, but no liability will be accepted by the Company in relation to same. We reserve the right to change the details given on this Data Sheet as additional information is acquired. Customers requiring the latest version of this Data Sheet should contact our Applications Engineering Department. The information given and, in particular, any parameters, should be used for guidance purposes only. The Company does not give any warranty that the product will be suitable for the use intended by the customer.