

RELY ON EXCELLENCE

eMG series

The new generation of elastomer bellows pump seals

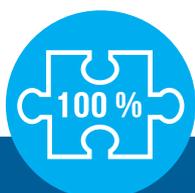
eMG

eMG1

eMG12

eMG13

eRMG versions



100% compatible
with MG series



e for excellent



Longer operating times

eMG series

Only premium products – 5 outstanding quality features

Our eMG elastomer bellows mechanical seals set a new standard for pump seals. Optimized design features, an advanced bellows design and the use of innovative high-performance materials significantly expand the spectrum of use. An additional plus: maximum reliability and safety even while operating under extreme conditions.

The eMG series is 100% compatible with the MG series, allowing for 1:1 replacement without any adaptations required.



Optionally with DiamondFace technology

→ Reduced total life cycle costs, maximum performance and energy efficiency



Patented PEEK-PTFE disk

→ Perfect centering and slipping behavior



Tried and tested seal design

→ More than 40 years of experience from the delivery of over 60 million seals have gone into the eMG



High-performance eSiC sliding material

→ Long life, chemically resistant and safe emergency operation



Optimized bellows design, high-quality materials

→ Guaranteed quality and robustness



Discover all the advantages of the eMG series on our website!



Fewer variants for more value

With the standard designs and materials offered, the eMG series covers an extremely wide range of uses. Applications in which several types of seals were previously required can now generally be covered by

a single eMG design. You benefit from streamlined procurement processes plus simplified storage and installation. That translates to a reduced overall capital outlay.

Operating range

Shaft diameter:	$d_1 = 14 \dots 110 \text{ mm (0.59" } \dots \text{ 4.33")}$
Pressure:	$p_1 = 18 \text{ bar (261 PSI)}$, vacuum up to 0.5 (7.25 PSI), up to 1 bar (14.5 PSI) with seat locking
Temperature:	$t = -20^\circ\text{C } \dots \text{ } +140^\circ\text{C (-4}^\circ\text{F } \dots \text{ } +284^\circ\text{F)}$
Sliding velocity:	$vg = 10 \text{ m/s (33 ft/s)}$
Admissible axial movement:	$\pm 2.0 \text{ mm } (\pm 0.08")$

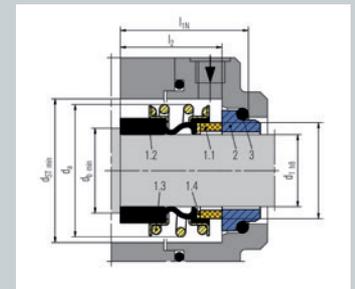
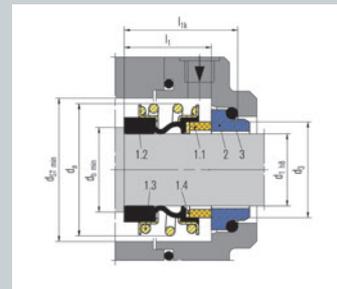
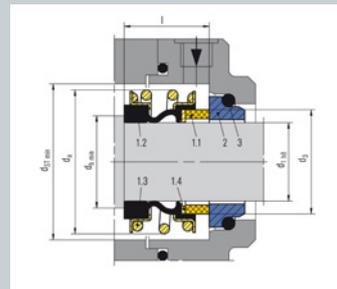
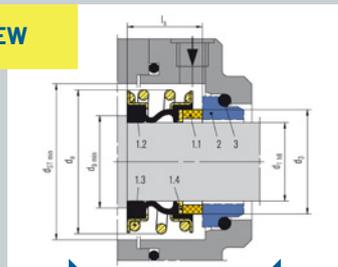
eMG

eMG1

eMG12

eMG13

NEW



-20%

- For small installation spaces: 20% shorter than the eMG1
- Shorter bar on the bellows for installation length l

- For smooth shafts
- Rotating elastomer bellows
- Strain relief
- Independent of direction of rotation

- Longer bar on bellows
- For installation length l_{1k} according to EN 12756 in conjunction with counter ring G6 or G60 (d_a exceeds EN 12756)

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- 1.1 Sliding ring
- 1.2 Bellows
- 1.3 Spring assembly
- 1.4 PEEK-PTFE disk
- 2 Counter ring (G6)
- 3 O-ring or profile seal

eRMG versions

- eRMG, eRMG1, eRMG12, eRMG13 identical in design to the eMG but with special bellows surface on the shaft side for use in hot water applications; deviating operating limits



All eMG designs can be used as a double seal in a tandem or back-to-back arrangement. Customized materials and designs are also possible.

EagleBurgmann – at the leading edge of industrial sealing technology

Our products are used wherever safety and reliability count: in the industries of oil & gas, refineries, petrochemicals, chemicals, pharmaceuticals, food, power, water and many more. About 6,000 employees contribute their ideas, solutions and dedication every day to ensure that customers around the globe can rely on our seals. With our modular TotalSealCare Service, we emphasize our strong customer orientation and offer custom-tailored services for every need. **Rely on excellence.**

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