



HOMA A-Series non-clog pumps utilize non-proprietary EagleBurgmann MG1 mechanical seals in a tandem seal arrangement, operating in an oversized oil chamber. This system utilizes independent spring systems and positively driven rotating assemblies to prolong seal life.

Burgmann mechanical seals feature several superior elements: the bellows is not subjected to any torsional stress and its design incorporates several functions, such as a seal face carrier, secondary sealing element and drive collar. The seal face is driven through the spring and “L”-rings (spring collar). There are no bonded joints and all the face materials are interchangeable without having to modify any dimensions.



Component	Material
Rotating Seal Face	Silicon Carbide
Stationary Seal Face	Silicon Carbide
Bellows	Buna N or Viton
Spring	Stainless Steel

As standard, HOMA uses silicon carbide by silicon carbide seal faces, as they provide superior abrasion and temperature resistance. Upon request, HOMA can provide tungsten carbide or stainless steel seal faces as well as optional Viton elastomers.