

Pulp and Paper Industry

The mechanical seals listed here comprise high-quality **standard seals (DIN EN standard)** as well as **cartridge mechanical seals** acc. to factory standard and **customer-specific** requirements.

Further mechanical seal designs are available.

Mechanical seal, style / Series:	Typical applications:	Technical Data (physical parameters):	
Single mechanical seals "non-cartridge"			
208 N	For universal applications: single mech. seal in stationary design acc. to DIN EN 12756 (24960) – L1k/BU; solids-loaded and higher viscous media up to 3.5 % bone dry. Available also in imperial design. - without flushing -	p _{max} : 50 bar t: -80° C up to +220° C v _{max} : 35 m/s	
700	Single-acting mech. seal with metal bellows acc. to DIN EN 12756 (24960) L1k; e.g. in paper and pulp up to 3 % bone dry. - without flushing -	p: vacuum up to 25 bar t: -80° C up to +220° C v _{max} : 15 m/s	
Single mechanical seals cartridge			
201	"Customized" stationary cartridge single mech. seal for demanding applications such as sorters, pulpers, deflakers, flow box pumps, mechanical wood pulp, dye; up to 3.5 resp. 5 % bone dry, depending on application - without flushing -	p _{max} : 70 bar t _{max} : 220° C v _{max} : 35 m/s	
207 209 D	Universal cartridge single mech. seal Typical applications s. style 208 N, e.g. condensate, splash water, pulp preparation a.o.	p _{max} : 50 bar t _{max} : 220° C v _{max} : 35 m/s	207 209 D 25 bar 200° C 25 m/s
Double mechanical seals cartridge			
541	Mech. seal for agitators (with or without integrated bearing; bottom drive); specifically for abrasive media, e.g. kaolin.	p _{max} : 35 bar t _{max} : 220° C v _{max} : 10 m/s	
806	Double mechanical seal, spec. designed for Ahlström/Scan pump series APP (AHLSTAR), semicartridge; applications: vaporizers, paper additives, pulp causticization, digester pumps etc.	p _{max} : 15 bar t _{max} : 180° C v _{max} : 20 m/s	
807 (808 S)	Double cartridge, independent of direction of rotation, for pumps (double pressure-balanced). Operation: higher barrier fluid pressure or pressureless. Paper & pulp > 3.5 % without flushing; medium and high-density pulp > 15 % bone dry; digester circulating pumps, high-solids media, e.g. calcium carbonate with 20 % solid matters; kaolin, sticky media, div. lyes in chemicals recovery etc.	p: vacuum up to 35 bar t _{max} : 250° C v _{max} : 25 m/s	
821	"Customized" double mech. seal for pumps for most difficult applications such as kitchen coatings, latex, synthetical binding agents, glues and other solids-loaded and "adhering" media. Stock consistencies > 5 % bone dry without flushing.	p _{max} : 12 bar t _{max} : 220° C v _{max} : 25 m/s	

All mechanical seals are available in compliance with **ATEX**. Dimensions: Dia: 15 mm to 450 mm, sizes in inches possible.

Safety instructions for application areas and technical data:

The statements in this leaflet are based on the current state-of-the-art technology, including extensive testing and practical experience. Please note: The physical parameters (technical data) given here will interact with each other and cannot be fully utilized all at the same time. The listed temperature ranges are, among others, dependent on the type of secondary seal used, the accessories for the seal and the other technical parameters. Due to the variety of uses and the individual technical arrangements only general pointers, which may not be applicable in every case, can be given for a successful application. No responsibilities can be accepted for statements made in this leaflet and therefore it is recommended to always undertake tests prior to application.