

Oil & Gas

The mechanical seals listed here are without exception cartridge seals, available in compliance with **API 682** and **customer-specific standards** and **adapted** to the respective unit.

Additional mechanical seal designs are available.

Mechanical seal type / Series:	Typical applications:	Technical data (physical parameters):
Single mechanical seals		
201 201 A 201 S	Pipeline-pumps; booster-pumps; crude oil, finished products, WIP-Water injection pumps; cavern pumps, loading area – diesel, petrol, gasoline, heating oil light/heavy	p _{max} : 70 / 130 bar t _{max} : +200° C v _{max} : 35 m/s
Double mechanical seals		
351F	Compressor-applications (liquid barrier fluid medium); LPG-projects; refrigeration. Media: Propane, butane, natural gas, HCL, gas mixtures / process gases, ammonia, helium	p _{max} : 25 / 50 bar t _{max} : +100 / 200° C v _{max} : 25 m/s
351 FHD / 881 DHD	WIP-Water injection pumps (up to a pump ultimate pressure of: 300 bar) Media: formation water (sand-water-crude oil mixture)	p _{max} : 150 bar / 200 bar t _{max} : +200° C v _{max} : 35 m/s
807 807 AS 807 S	Transfer pumps, MOL pumps, universal double mechanical seals; TA-Luft (clean air act) environmental applications	p _{max} : 35 bar t _{max} : -100° C up to +200 / 250° C v _{max} : 25 m/s
857TG	Double tandem-mechanical seal / external gas lubricated; safety seal; offshore applications	p _{max} : 100 bar t _{max} : +200° C v _{max} : 35 m/s
881 881 A 881 D	Double mechanical seal (double balanced) for pumps in applications subject to particularly difficult conditions: Solid matter, frequently changing operating conditions.	p _{max} : 50 / 150 bar t _{max} : -163° C up to +260° C v _{max} : 35 m/s
887 887 A 887 S	Double mechanical seal for applications combining elevated temperatures with slurries; bitumen, waste oil – heavy duty gas oil	p _{max} : 50 bar t _{max} : +320° C v _{max} : 35 m/s

All mechanical seals can be supplied in versions **conforming to ATEX**. Dimensions shaft diameter: from 20 mm to 300 mm, also available in inch.

Safety instructions relating to the field of application and the technical specifications:

The information in this pamphlet corresponds with the latest technological findings as well as comprehensive tests and experiences gained. However, please note that the technical specifications have a mutual influence upon each other and that our products can therefore not be used in the maximum range in terms of all the technical specifications at the same time. Amongst other things the temperature ranges stated are dependent upon the type of secondary seal, accessory equipment and the other technical parameters. In view of the variety of application options available and the technical facts and information they merely provide an indication of how to beneficially apply them and cannot be completely applied in every single case. We can therefore not be held liable for this information. We always recommend that you carry out tests prior to general use.

CHETRA Dichtungstechnik AG
Post Office Box:
P.O. Box 11 42
85541 Kirchheim-Heimstetten
Federal Republic of Germany

Street Address:
Marsstraße 1
85551 Heimstetten
Federal Republic of Germany
Telephone: +49 (0)89 32 94 64-0
Telefax: +49 (0)89 32 94 64-20

E-mail: chetra@chetra.de
Website: www.chetra.de

CHETRA® is a registered trademark of
CHETRA Dichtungstechnik AG

