

- Oil refineries
- Petroleum plants
- Gas Rigs

Sealing hazardous materials

Ettem Engineering's Mechanical Seals for centrifugal and rotary pumps are fully compatible with the (API) 682 standard.

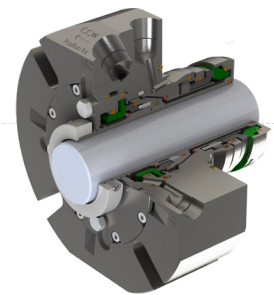
This standard specifies requirements and recommendations for sealing systems for pumps used in the following industries:

- petroleum
- natural gas
- chemical

The standard is set in place to protect:

- humans
- the environment
- equipment

when hazardous or toxic media are processed.



API682 Dual Mechanical Seal

ettem ENGINEERING Qualification Test Form ICW-FL										
Manufacturer:	Ettem Engineering		Seal g1:	682CO-MMB0-ETTEMUN01		Seal Type (A/B/C/R/S):	A			
Materials:	Rot. Face:	Carbon	Stator Face:	SiC	Metals:	50318				
	Static sec. Seal:	FKM	Dynamic sec. Seal:	FKM	Dur:	75 Shore				
	Seal Size mm:	80mm	Seal Code:	11A-17A-080-01	API Plan:	01	Shaft RPM:	1,000		
Permitted Fluid:	NonHydroCarbon:	NO	NonFlaming HydroCarbon:	YES	Flaming HydroCarbon:	NO				
Run-Out 100 mm:	Shaft:	0.120	Service:	0.020	Chamber ID:	0.270	Chamber Face:	0.050		
Properties:	Test Fluid:	Mineral Oil	BasePoint Temp °C:	20	BasePoint Press bar:	7				
	Relative Density:	0.85	Vapor Pressure:	n/a	Seals:	Fertico Seal				
Wear spec: 10.3.2.3.3 Wear should be less than 1% of available face wear										
	Rotary face 4 points overall INITIAL thickness mm:	27.758	27.758	27.753	27.752	Average:	27.757			
	Rotary face 4 points overall END thickness mm:	27.755	27.746	27.751	27.760	Average:	27.754			
	Stationary face 4 points overall INITIAL thickness mm:	0.000	0.000	0.000	0.000	Average:	0.000			
	Stationary face 4 points overall END thickness mm:	0.000	0.000	0.000	0.000	Average:	0.000			
	Leakage (per 10.3.2.3.1 < 5.8 g/h):	Accumulated Leakage at END of Test cc:		30.0		Total Test Hours:	118.0		Avg Leakage ml/hr:	0.2542
Test Date & Time:	Start:	4/28/2020 11:14		End:	5/3/2020 8:59		Operator Name:	Hansel Brousch		
	Test Number:	4		Designation:	1CCW					

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Full Test Data Recording