



Centrifugal Pumps

SMKM Range

Mechanical Sealed API - OH2 Pumps

DESIGN SUMMARY

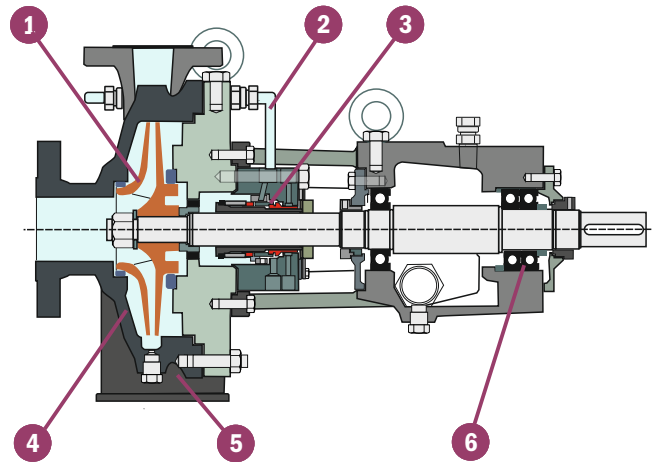
Standards	API 610 OH2
Configuration	Horizontal long coupled
Motors	IE2, IE3
Seal Type	Single and Double Mechanical Cartridge, API Plans, Packing

SPECIFICATIONS

Maximum Temp	450 °C
Minimum Temp	-100 °C
Max Flow	1,800 m ³ /hr
Max Head	400 m
Max Pressures	50 bar total system
ATEX	Yes

MATERIALS

	Standard	Options
Rear Casing	Carbon Steel	SS, Duplex, S. Dup
Front Casing	Carbon Steel	SS, Duplex, S. Dup
Impeller	Carbon Steel	SS, Duplex, S. Dup
Shaft	Duplex	Super Duplex
Wear Rings	Duplex	Super Duplex 316 SS
Seal	API 11/52, 53 ABC	many other options available
API Materials:	S5, S6, S8, C6, A8, D1, D2	



DESIGN FEATURES

SMKM pumps to the latest addition of API 610 that offer extremely robust and long lasting process pumps.

- 1 Statically and dynamically balanced impeller supported by front and rear bearings.
- 2 Rear cavity lubricated by fluid at discharge pressure.
- 3 A very wide range of seals and seal systems can be accommodated.
- 4 Thick wall sections to give high levels of corrosion resistance and mechanical strength.
- 5 Centre lined mounted that allows pipe stresses to be directly transmitted to the baseplate and greater tolerance of thermal movement.
- 6 Double angular contact ball bearings guaranteed for 100,000 hrs life.

SMKM pumps are available magnetically driven to API 685 and supplemented by the KSMKM BB2 range for more strenuous duties.



SMKM - Performance Curves

