

CAPITM Type A - API 682 Dual Pusher Seal



Oil & Gas Industry Products

To suit API 610 (ISO 13709) Pumps, API 682 (ISO 21049) qualification tested.
Arrangement 2 or arrangement 3 operation.
Containment or elimination of process emissions.
Large internal clearances for improved safety.



EXPERIENCE THE EXCEPTIONAL

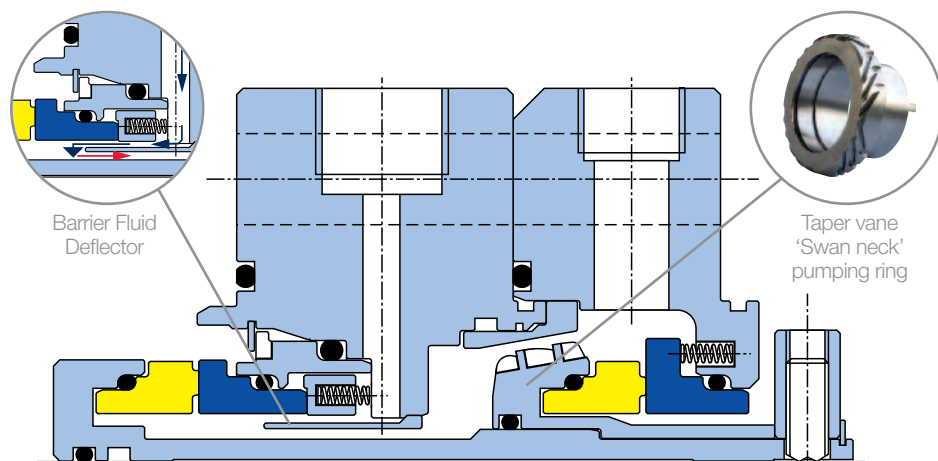


CAPI™ Type A - API 682

Dual Pusher Seal

The CAPI™ range is primarily utilized to suit the requirements of the oil, gas and petrochemical industries.

Services include hydrocarbons, chemicals, aqueous fluids and some acids. The CAPI™ Type A can be, and is, applied to many other industry sectors.



KEY FEATURES

- Inner seal cooling provided by barrier fluid deflector
- Patented high efficiency taper vane pumping ring with large internal clearances, Bi directional for inventory reduction on between bearings pumps
- Optional Plan 23 and Plan 62
- Temperatures -40°C to +260°C (-40°F to +500°F) – elastomer dependent
- Peripheral speeds up to 25 m/s (5000 ft/min)
- Non clogging - springs out of the product - for contaminated and particulate-bearing services
- Stationary flexible element provides angular misalignment capability, improved reliability where loss of perpendicularity between seal chamber face and shaft exist due to pump case distortion
- Multi-port flush

General Description

API 682 Type A

Cartridge mounted dual multi-spring pusher type seal. Type A design specification.

Arrangement 2

Buffer fluid less than seal chamber pressure.

Arrangement 3

Barrier fluid pressure above seal chamber pressure.

API Designation

2CW-CW (Wet /Wet unpressurised)

3CW-FB (Wet/Wet pressurised)

Category 2 & 3

API682 is qualified as category 3. The seal may also be offered as a category 2.

Size Range

20mm (0.750") – 110mm (4.375")
For shaft sizes above 110mm (4.375"), consult AESSEAL® Technical department.

Materials

316L as standard.
Alternative corrosion resistant materials available, contact AESSEAL®.

Face Options

Soft & Hard Face combinations available
Standard material: Premium Anti Blister Carbon / Resin Impregnated Carbon / Reaction Bonded Silicon Carbide / Sintered / Silicon Carbide / Tungsten Carbide

Piping Plans

Outer seal 51, 52, 53A, B, C, 54
Inner seal 01, 02, 11, 13, 14, 21, 31, 32 (optional plans 62 and 23)



WARNING Use double mechanical seals with hazardous products. Always take safety precautions:

- Guard your equipment
- Wear protective clothing

CAPI™ is a Trademark of AESSEAL plc, Registered Trademarks: AESSEAL® - AESSEAL plc. All other brand and product names are trademarks or registered trademarks of their respective holder.



Copyright © 2011 AESSEAL plc, Ref: DS-UK/US-CAPI-A-DUAL-02

Contact

+44 (0)1709 369966

info@aesseal.com

www.aesseal.com

IMPORTANT: Since the conditions and methods of use of this product are beyond our control, AESSEAL plc expressly disclaims any and all liability resulting or arising from any use of this product or reliance on any information contained in this document - AESSEAL plc standard conditions of sale apply.