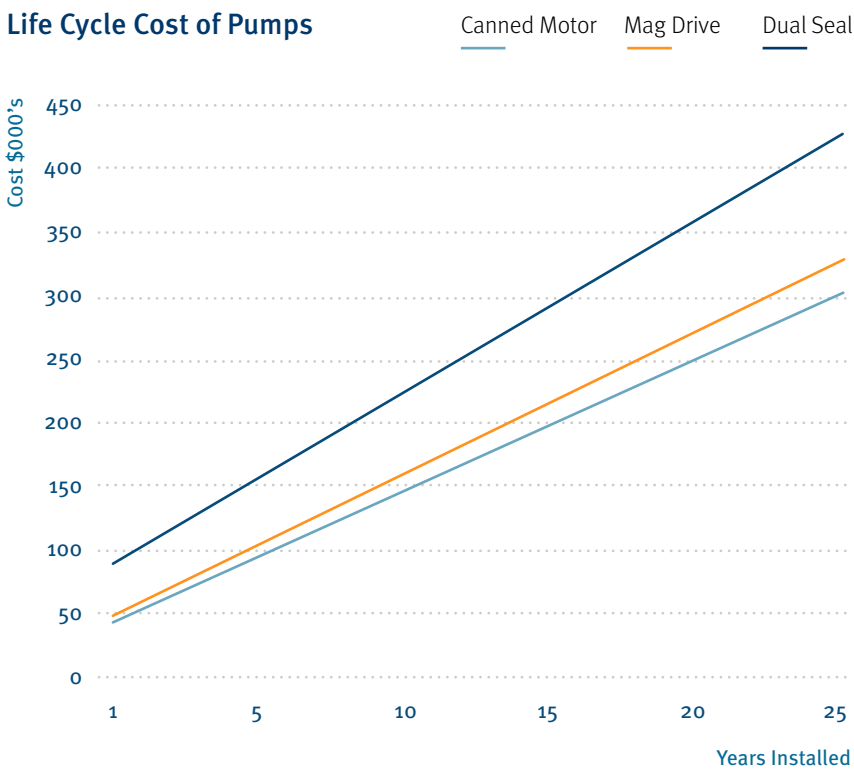




THINK SEALLESS PUMPS ARE TOO EXPENSIVE?

If you think Sealless Pumps are an expensive solution that should only be used where there is no other option, **think again.**



Dual seals are significantly expensive and complex items. A typical dual seal system, contains:

- Mechanical seal cartridge in dual arrangement
- Heat exchanger
- Vessel
- Instrumentation
- Valves & piping

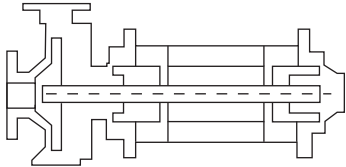
All these items add up to a significant cost and all present their own unique failure modes. Systems also require significant assembly and commissioning time.

For the cost of the seal system, you can potentially purchase a new sealless pump. In many cases mag drive or canned motor pumps may be significantly cheaper than a dual seal unit up front. Add to this the lower commissioning, reduced life cycle costs plus higher reliability and you've got a cost effective option.

Pump Comparison

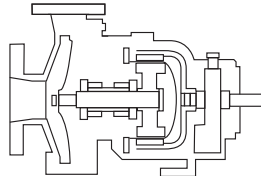
CANNED MOTOR PUMP

Approx.
\$30,000*



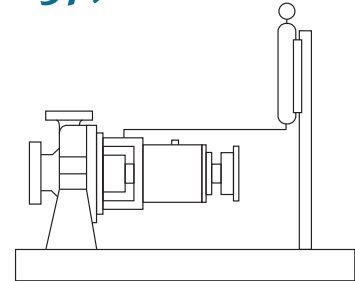
MAGNETIC DRIVE PUMP

Approx.
\$30,000*



DUAL SEAL PUMP

Approx.
\$57,000*



ADVANTAGES

- Leak free normal operation
- Dual Secondary Containment
- Low life cycle cost
- No wearing parts (average MTBR 6-8 years)
- Lower noise levels
- Smaller footprint

- Leak free normal operation
- Able to use standard electrical motors

- Able to use standard electrical motors

DISADVANTAGES

- Lower efficiency motor due to larger air gap

- Still contains Ball bearings (wear part)
- Consumables (Grease/Oil)

- High number failure modes
- Leakage from seals
- Highest number of wear parts
- Consumables (Grease/Oil, Buffer/Barrier Fluid)

With pumps up to 45kW, savings can be seen initially using a sealless option compared to dual seal units.

*Pricing is a guide only; final pricing will depend on project specification and requirements. Price differential may be different to that seen.

For more information and to view our full pump range visit: www.renrocgroupp.com



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