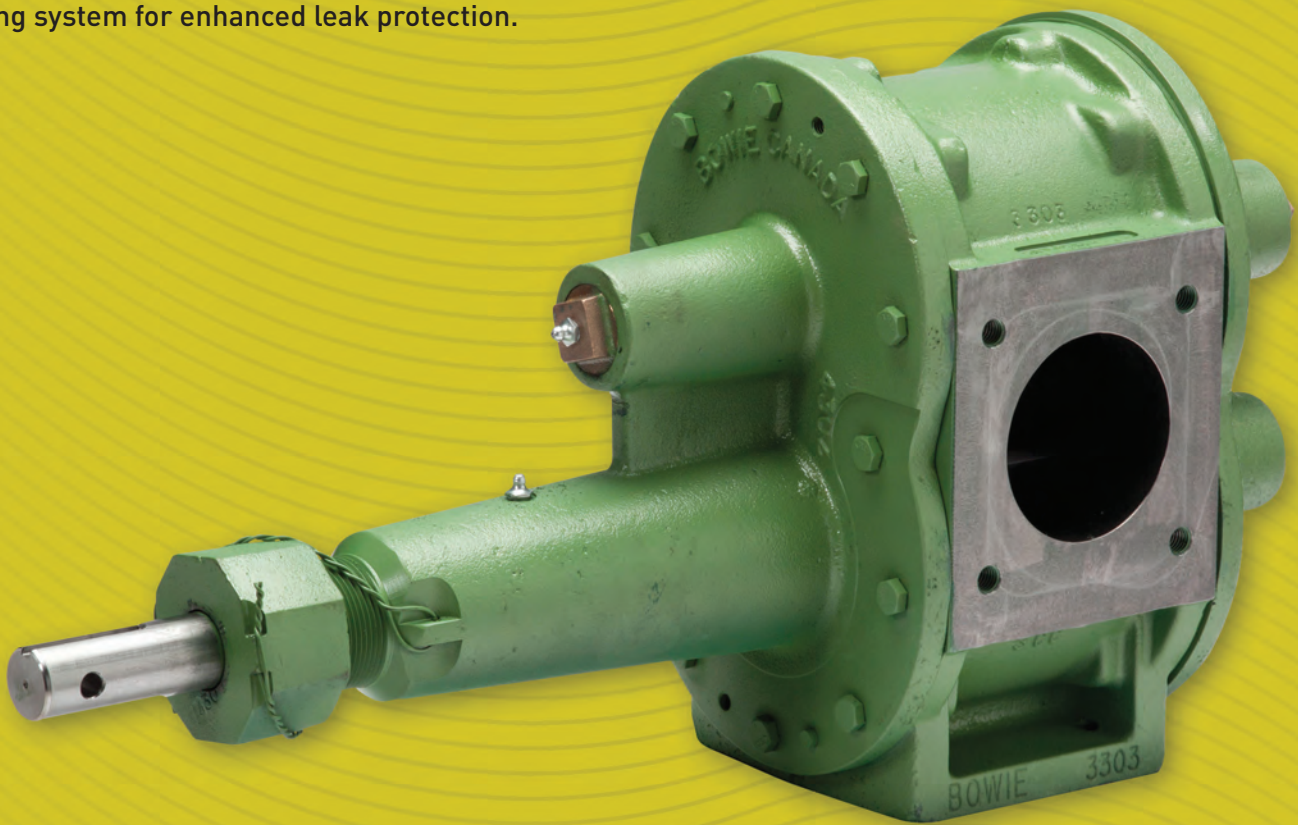


ECO-SEAL™ SERIES THE DRIP STOPS HERE.



THE NEW STANDARD IN LEAK-RESISTANT BUSHING-DESIGN PUMPS.

All the benefits of Bowie's leading bushing-design pumps. Now engineered with a high-performance sealing system for enhanced leak protection.



OUTPERFORM. OUTLAST.

IF YOUR PUMP LEAKS, YOU COULD RISK LOSING MORE THAN JUST FLUID.

Today, more and more companies are adopting a zero tolerance policy when it comes to anything that could be remotely deemed an environmental or operator safety concern on their work sites.

What was once considered “acceptable” leakage is often no longer the case. Now even the smallest drip can sink a trucking business, resulting in lost jobs and lost revenue.

As the top name in bushing-design rotary gear pumps for over 50 years, Bowie is once again leading the industry with a new line of advanced bushing-design rotary gear pumps created to significantly reduce leakage due to weeping.

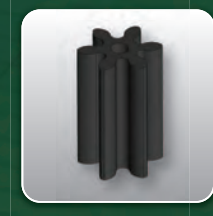
Introducing the Bowie Eco-Seal™ Series: the pump you’ve come to rely on, with an advanced new sealing system that helps lock fluids in to keep trouble out.

HELP PREVENT:

- The worry of losing a job due to minor leakage.
- Costly delays and longer days due to cleanup of spills on the job site.
- Getting shut out of contracts for environmentally sensitive customers and markets.

MAKE ECO-SEAL™ PUMPS PART OF YOUR LEAK-RESISTANT SYSTEM!

Eco-Seal™ Series pumps are specifically engineered to protect against leaks and drips. No sealed rotary gear pump, including an Eco-Seal™ Series pump, can prevent leaks and drips from occurring over time due to erosion of the seal. Some uses or fluids containing caustic, corrosive, or abrasive material or gases may accelerate this erosion. Periodic inspection and maintenance of your Eco-Seal™ Series pump is essential to proper use, and pumps should be repaired or replaced at the first sign of leaking or dripping to ensure maximum protection against leaks and drips.



WHAT YOU NEED TO KNOW ABOUT GEARS:

Eco-Seal™ Series pumps are available in two gear configurations:

1. Buna-N Synthetic Rubber Gears:

Our proprietary Buna-N rubber gears are the **longest lasting high strength rubber gears** on the market. They’re everything you need for most applications.

2. Progressive Helical Steel Gears:

The unique twist angle of the helix and the innovative parabolic tooth profile, only attainable with a five-axis machining centre, make Bowie’s progressive helical steel gears the top choice when you require longer pump life and maximum flow volumes.

These gears are recommended:

- Wherever **rubber is not compatible** or tends to break down prematurely (eg. concentrated acids, halogenated solvents/hydrocarbons).
- **High temperature, high pressure** operating conditions.
- **High volume output at higher RPMs.**

Bowie offers the largest gears and housing in the industry (9” long x 6” in diameter). This allows you to pump dramatically more volume at any port size.

Operating Criteria	Buna-N Rubber Gears	Progressive Helical Steel Gears
Max. Operating Temperature	70°C	160°C
Max. Rotation Speed	500 RPM	750 RPM
Max. Working Pressure	125 PSI	150 PSI

GET A BETTER GRIP ON YOUR DRIPS. FROM THE NAME YOU'VE COME TO TRUST.

Bowie's Signature™ Series pumps are the industry standard in bushing-design rotary gear pumps. Truckers love them! They're the tried and true solution for hauling everything from potable water to oilfield fluids to bulk acids and chemicals. And for good reason.

- They pump the highest volume in the industry.
- They last forever.
- They're affordable and worry free.
- Any repairs are quick and easy.
- They handle a wide range of fluids.

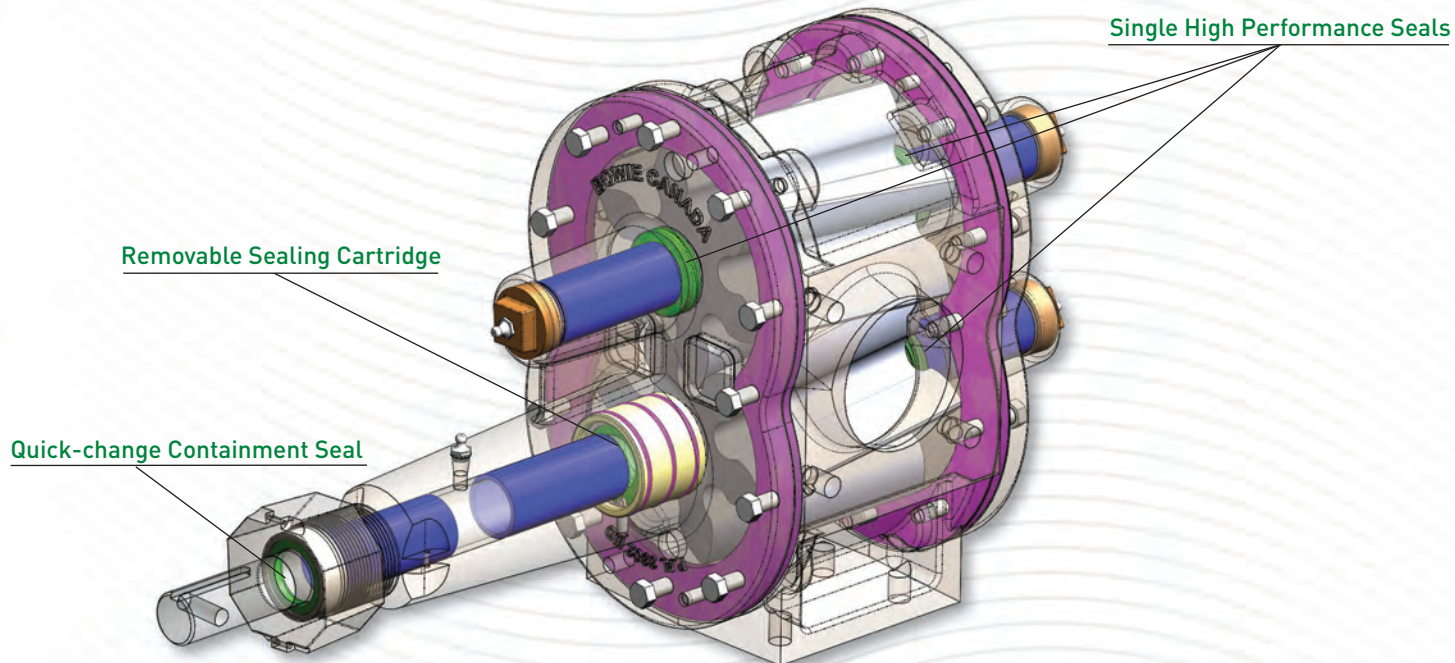
The Eco-Seal™ Series pumps are based on Bowie's leading Signature™ Series of pumps, with one major difference:

Bowie's Eco-Seal™ Series pumps incorporate three separate Advanced Sealing Technologies to provide the most leak-resistant bushing-design pump available.

On the front of the drive shaft, Eco-Seal™ pumps feature specially formulated elastomeric seals encased in an easy-to-replace, all-in-one removable cartridge.

On the same drive shaft, a quick-change secondary containment seal provides additional leak protection.

The idler and rear drive shaft components are protected by single high performance seals.



THE RESULT: an affordable, high volume, long lasting, low maintenance bushing-design pump with improved drip protection. One that meets the environmental and safety standards required on most jobsites.

THREE FLEXIBLE CONFIGURATIONS TO SUIT YOUR NEEDS.

Selecting the right one is easy.

The Eco-Seal™: Our standard “go-to” pump for the transport of water, oil, well site fluids, drilling materials along with some acids and chemicals.

The Eco-Seal™ S: The ‘S’ refers to its shorter drive neck. This allows for the easiest access when minimal clearance is available for pump maintenance.

The Eco-Seal™ ED: Our “Extended Duty” version is designed for use in conditions that involve heavy wear and require extended life. Built with heavy duty wear plates, longer bushings and thicker shafts for the ultimate in pump life. For the industry’s highest flow volume, the 4” Eco-Seal™ ED (with our progressive helical steel gears) pumps up to 660 gallons/minute (40% greater than the closest competitor).

All models supplied in a Drive on Top and Drive on Bottom configuration and in 180° orientation. Our 3” and 4” pumps are also available in 90° orientation.

ECO-SEAL SERIES ADDITIONAL BENEFITS.

Superior resistance to harsh liquids and excellent heat tolerance: This is due to multiple rotary lip seals on Eco-Seal™ pump shafts.

Completely interchangeable with Signature™ Series pumps: Eco-Seal™ pumps can be dropped into the existing footprint without changing piping or system layout.

Lower maintenance: Eco-Seal™ pumps save you time and money as they require no packing maintenance.

Lower operating costs: While the Eco-Seal™ Series pumps have a marginally higher upfront cost than our Signature™ Series, reduced maintenance requirements more than make up for it in the long run.

Proven pump performance: Eco-Seal™ pumps high volumes of fluid quickly and efficiently – resulting in more work and more profit per day. These pumps can move up to 80% more volume than the competition.*

Optional bi-directional pressure relief plate and hydraulic mounting kits: Both items are recommended options, available on all Eco-Seal™ pump models.

* Based on manufacturers’ published data.

WHICH ECO-SEAL™ SERIES PUMP IS RIGHT FOR YOU?

Requirements	Eco-Seal™	Eco-Seal™ S	Eco-Seal™ ED
Port Size	2” 3”	2” 3”	3” 4”
Maximum Flow Volume	●●	●●	●●●●
Pump Life	●●	●●	●●●●
Ease of Repair	●●●●	●●●●	●●●●
Ease of Access for Pump Maintenance	●●	●●●●	●●
Leak-Resistant Performance	●●●●	●●●●	●●●●
Value for Your Money	●●●●	●●●●	●●●●

● Average ●● Above Average ●●●● Exceptional

“It’s basically the same Bowie pump I’ve always known and loved – but with improved protection against leaks. And it’s still the best bang for your buck.”

Sheldon Johnston
J B Water & Vacuum Services

Bowie Pumps of Canada Ltd.
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 Engineered and Manufactured in Canada!


bowiepumps.com