



Washdown Gear Drives & Gear Motors for the Food & Beverage Industry

*The Best Choice for
Food & Beverage
Safety*

The original
Domed Crown™
Design



BAUER GEAR MOTOR™
A REGAL REXNORD BRAND

BOSTON GEAR™
A REGAL REXNORD BRAND

REGAL REXNORD PROVIDES POWER TRANSMISSION SOLUTIONS FOR THE FOOD AND BEVERAGE INDUSTRY

Tightened federal regulations regarding food safety and hygiene in food processing and beverage industries has forced producers to continue to adapt their equipment to meet those changing requirements.

The areas in production facilities where drive systems are located are often the areas that have the most stringent requirements for hygiene and sanitation, due to their proximity to the food product. The key to food safety is prevention of microbial contamination and bacteria growth. Equipment in these areas needs to be resistant to alkali or acid based cleaning agents and disinfectants. This is the primary focus of most HACCP analyses.



For installations where the drive system is located above the food product, there is a higher risk of product contamination due to rigorous cleaning standards. For these installations special attention must be given to drive design & materials, so that bacterial growth on surfaces will be avoided. Drive systems with the most extreme protection such as stainless steel and aseptic units are most often utilized in these applications.

For installations located near but below the food line, exposure is less likely but still possible. Therefore, it is recommended that the drive units be readily accessible, easy to clean, and have resistance to commonly used cleaning products. In these applications, painted drive systems are often used.

In other areas of the plant where there is no contact with open product flow, the hygiene requirements are typically less strict, allowing for standard finish drive products.

Some producers use highly caustic wash down solutions; others use high-pressure hot water. Equipment can also be exposed to process by-products such as sugar, seasonings, brines, or animal blood. Whatever challenges the integrity of your drive system, Regal Rexnord has a solution for you. The family of gearing & motor products manufactured by Boston Gear and Bauer Gear Motor includes varying degrees of protection against the harsh elements increasingly used in the prevention of microbial contamination and bacterial growth in hygiene sensitive environments.

AS THE LEADING INNOVATORS IN GEARING & GEAR MOTOR TECHNOLOGY...

Boston Gear and Bauer Gear Motor provide a full complement of worm and helical gear drives together with helical, bevel and parallel shaft gear motors with varying degrees of sanitary protection to meet the needs of the diverse requirements within a production facility. Boston Gear products enable flexible motor assembly independent of the manufacturer while the gear motor solutions from Bauer Gear Motor provide compact space saving integral geared motor solutions. The varying drive system products shown below are designed for not only for harsh-duty washdown typically located at or above the food product but also for applications where hygiene and cleanability are of utmost importance.

STAINLESS STEEL Highest mechanical resilience in washdown applications

BOSTON SERIES GEAR DRIVES

Right Angle



Helical Bevel Gear Drive
SS2000R Series

Right Angle



Worm Gear Speed Reducer
SS700 Series

Inline



Helical Inline Gear Drive
SS2000 Series

BAUER SERIES GEAR MOTORS

Right Angle



Helical Bevel Gear Motor
HiflexDRIVE - SS

Inline



Helical Gear Motor
Series BG - SS

SHAFT ACCESSORIES



Mounted Bearings



Jaw Couplings



Universal Joints



Shaft Collars

ASEPTIC Guarantees highest hygiene levels through smooth water repellant coated surfaces

BAUER SERIES GEAR MOTORS

Right Angle



Helical Bevel-Gear Motor
HiflexDRIVE - Aseptic

Right Angle



Helical Worm Gear Motor
Aseptic Series BK

Inline



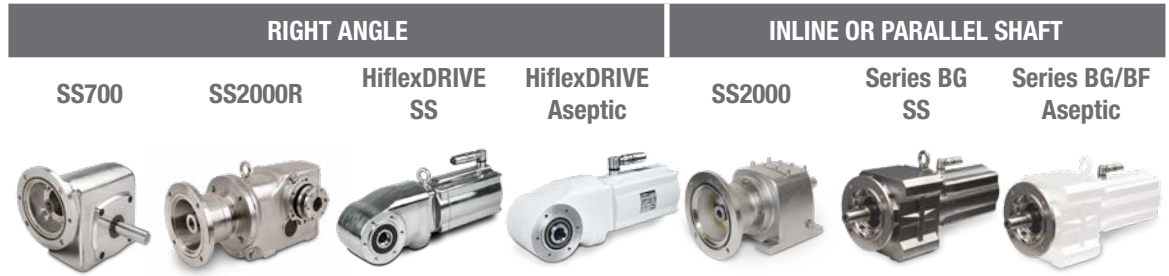
Helical Gear Motor
Aseptic Series BG








Parallel Shaft










Helical Parallel Shaft Gearmotor
Aseptic Series BF

FEATURES VIRTUALLY ELIMINATING RISK TO FOOD PRODUCTS: EXTERIOR DESIGN FEATURES



Domed Crown™ Technology		Standard	Standard	—	—	Standard	—	—
Graded Surfaces		Standard	Standard	Standard	Standard	Standard	Standard	Standard
Rounded Edges & Corners		Standard	Standard	Standard	Standard	Standard	Standard	Standard
Laser-Marked Nameplate		Standard	Standard	Optional	—	Standard	Optional	—
Aseptic Coatings		—	—	—	Standard	—	—	Standard
External or Covered Hardware		Standard	Standard	Standard	Standard	Standard	Standard	Standard
Certifications		NSF International Certified	—	—	FDA Approved Coating	—	—	FDA Approved Coating
Washdown-Friendly Mounting Features		Optional Base Feet / Optional Output Flange	Optional Base Feet / Optional Output Flange	Optional Output Flange	Optional Output Flange	Optional Output Flange	Optional Output Flange	Optional Output Flange

FEATURES VIRTUALLY ELIMINATING RISK TO FOOD PRODUCTS: SEALING FEATURES

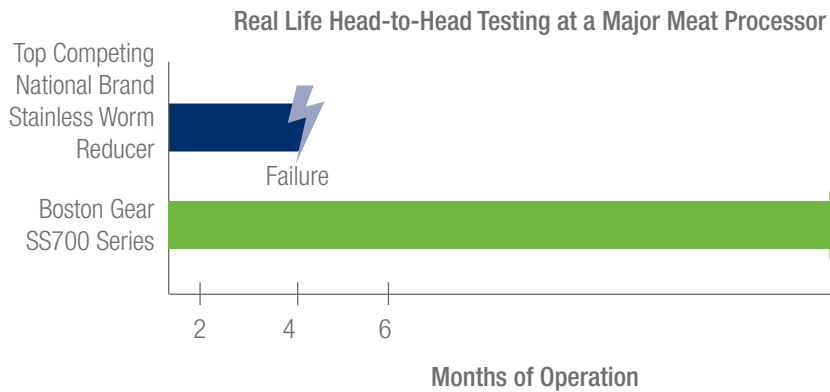
RIGHT ANGLE				INLINE OR PARALLEL SHAFT		
SS700	SS2000R	HiflexDRIVE SS	HiflexDRIVE Aseptic	SS2000	Series BG SS	Series BG/BF Aseptic
						

Non-Vented Housing		Standard	Standard	Standard	Standard	Standard	Standard	Standard
Double-Lipped Shaft Seal		Standard	Standard	Standard	Standard	Standard	Standard	Standard
High-Pressure Washdown Seal		Optional	Optional	Optional	Optional	Optional	Optional	Optional
Gasketed Shaft Cover		—	Optional	Optional	Optional	—	—	—
Internal Magnets to Prevent Metallic Wear Debris from Damaging Seals		—	Standard	—	—	Standard	—	—
O-Ring Mounting Surfaces		Standard	Standard	Optional	Optional	Standard	Optional	Optional
Non-Ventilated Motor		—	—	Standard	Standard	—	Standard	Standard
Plug-In Motor Connection		—	—	Standard	Standard	—	Standard	Standard
*IP67 Compliance		Standard / Optional	Standard / Optional	Standard	Standard	Standard / Optional	Standard	Standard
*IP69K Compliance		Standard / Optional	Standard / Optional	Optional	Optional	Standard / Optional	Optional	Optional
Integral Brake/Encoder		—	—	Optional	Optional	—	Optional	Optional

*Approval pending for SS700, SS2000R and SS2000

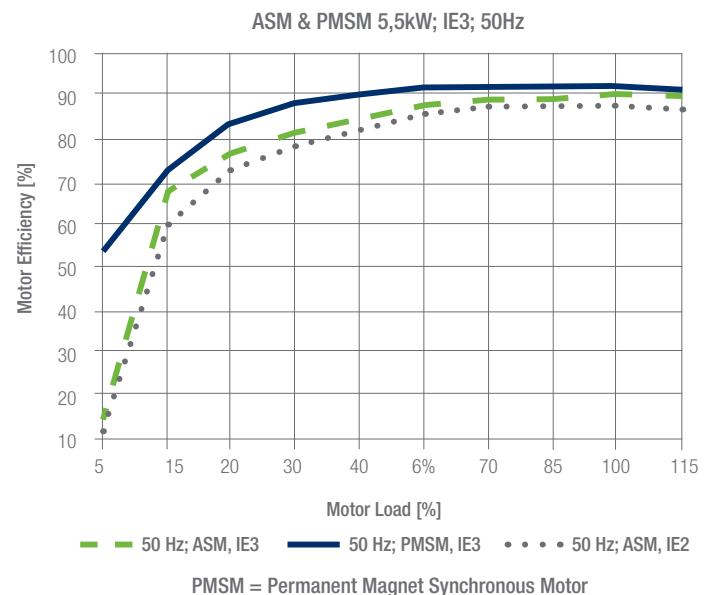
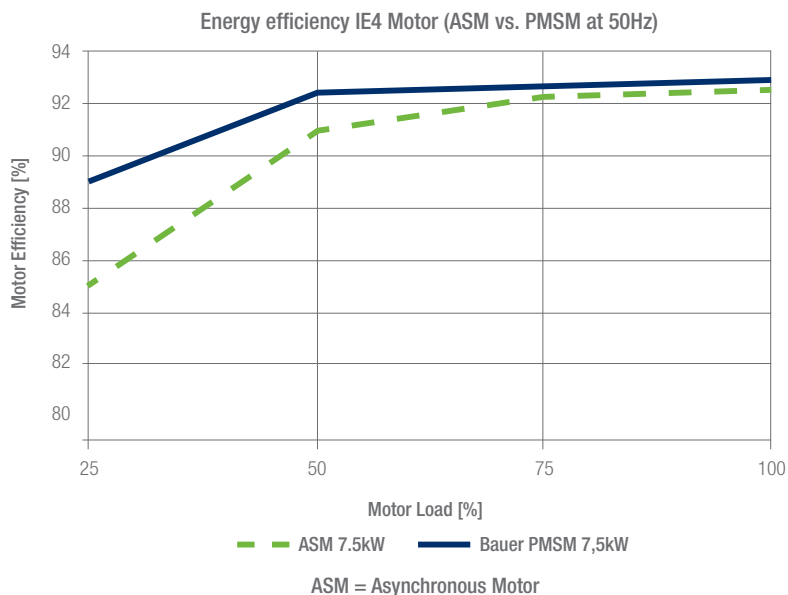
EFFICIENCIES THAT MAXIMIZE **PRODUCTIVITY** & **PROFITS** IN A COMPETITIVE INDUSTRY

LONGER PRODUCT LIFE



HIGHER MOTOR EFFICIENCIES

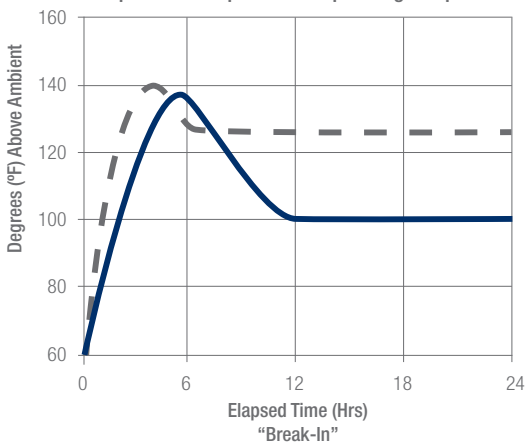
The BAUER Series integrated motors are available in efficiency classes from IE1 to IE4. All motors are optimized for partial load duty according to EN 50598-2 with the PMSM technology, allowing a proven energy savings of up to 40% under these exact conditions.



HIGHER SYSTEM OPERATING EFFICIENCIES

Efficiencies are tested and reported for the complete geared assembly, unlike many competing brands who report efficiencies per gear mesh. Many competing brands even assign Ratings that are not in accordance with AGMA guidelines. The test results below clearly demonstrate our performance advantages in both Operating Temperature and Operating Efficiency.

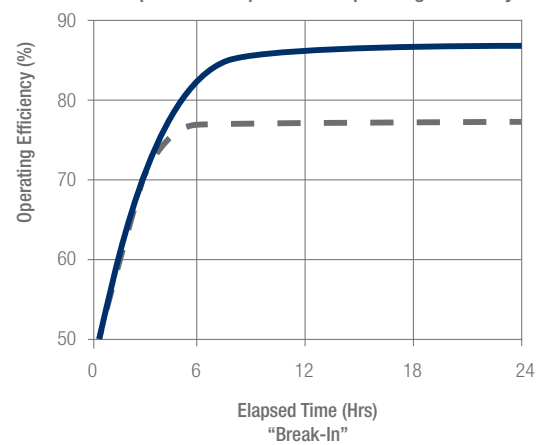
Competitive Comparison of Operating Temperature



— Competing National Brand — Boston Gear SS700 Series



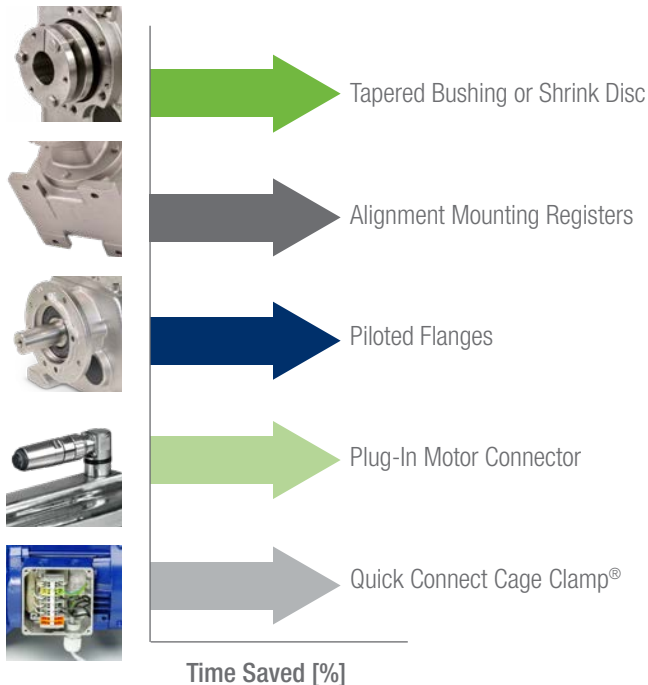
Competitive Comparison of Operating Efficiency



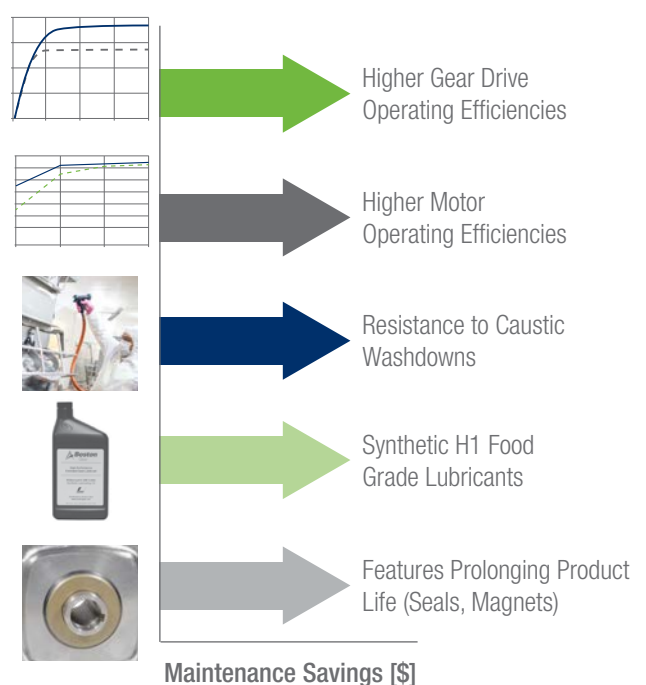
— Competing National Brand — Boston Gear SS700 Series

REDUCED INSTALLATION TIME AND MAINTENANCE COST

Installation



Maintenance



Bauer Gear Motor Facilities

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704-588-5610

*Enclosed and Open Gearing,
Electrical and Mechanical
P.T. Components*

Customer Service

1-888-999-9860

Application Support

1-800-816-5608



Scan to see all
the brands of
Regal Rexnord

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