

# BF Series Geared Motors

## PHARMACEUTICAL BLENDING EQUIPMENT

### CHALLENGE

A leading manufacturer of pharmaceutical blending and material handling equipment needed a gear motor solution for use on its line of blenders. The machines are designed to meet customer requirements for mixing powder or liquids and are available for either standard tumble or high-speed mixing.

### SOLUTION

Due to their robust design, Bauer BF Series geared motors were selected to drive the machine's cantilevered stainless steel mixing tank. Positioned within a stainless steel enclosure, the hollow-shaft geared motors are mounted directly to the trunnion arm.

BF Series gearboxes feature high-tensile, case-hardened steel gearing combined with strong, non-flexible pinion shafts and bearings for exact tooth meshing in a vibration-free, high-tensile cast housing. BF geared motors, manufactured by Bauer, are completely enclosed and utilize a 3-piece labyrinth sealing system to protect against oil leakage. Aluminum die-cast motor housings, bearing covers and terminal boxes provide maximum corrosion-resistance. An aluminum die-cast cage rotor ensures high reliability at high starting torques and low starting currents. Standard inverter-duty motors include oversized bearings for longer life. The electrical design of the motor is adapted to the gearbox.

Bauer BK Series bevel geared motors and AsepticDrive geared motors are also utilized on various other pharmaceutical material handling and lifting equipment.



### HIGHLIGHTS

- Shaft-mounted geared motors with integrated torque arm are easily integrated and economically applied
- Motor power from 0.03 kW to 75 kW
- 10 gearbox sizes for torques from 90 Nm to 18500 Nm
- High-efficiency through 2-stage base design
- Enclosure IP 65 as standard, IP66 (Optional)
- Corrosion protection CORO1, CORO2, CORO3

### Regal Rexnord

regalrexnord.com | bauergears.com

The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer. To view our Application Considerations, please visit <https://www.regalrexnord.com/Application-Considerations>.

To view our Standard Terms and Conditions of Sale, please visit <https://www.regalrexnord.com/Terms-and-Conditions-of-Sale>.

"Regal Rexnord" is not indicative of legal entity. Refer to product purchase documentation for the applicable legal entity.  
Regal Rexnord and Bauer Gear Motors are trademarks of Regal Rexnord Corporation or one of its affiliated companies.  
© 2018, 2025 Regal Rexnord Corporation, All Rights Reserved.  
MCCSS-P-7422-BGM-EN-US 10/25

**BAUER GEAR MOTOR™**