

# GOULDS PUMPS

## GS Subs, New Guardian<sup>®</sup> System and You, Stronger Together!

GS Submersibles have always had a reputation for being reliable and tough pumps. Now the best is even better!

The new Guardian System now makes the GS Submersible pumps even tougher and longer lasting.

The Guardian System includes an engineered polymer bearing which is resistant to damage from sand, abrasives and over pumping a well. It has years of field-proven reliability and durability in some of the world's toughest submersible pump applications, coalbed methane recovery wells.

GS submersibles have long featured one of the most durable stages in the industry. Our floating impeller stack design, made with Noryl<sup>®</sup> impellers, Lexan<sup>®</sup> diffusers and stainless steel bowls has proven itself for over four decades as a best sand handling design in the industry.

When it comes to submersible wells, accept no substitute, install the GS submersible with the Guardian System. For more information call (315) 255-3378 ext. 347 or visit [www.goulds.com](http://www.goulds.com).



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*Engineered for Life*



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## The Guardian<sup>®</sup> Bearing System



The New Model GS Discharge Head, with dual safety loops, identifies that the new Guardian Bearing System is inside.

The new GS features longer thread engagement in the casing for greater strength and improved serviceability. It also provides a smooth transition at the casing lip for easy removal; the pump won't catch on well casing joints.

### The "Guardian Bearing System" features:

- Engineered polymer bearing material protects against wear from abrasives and over-pumped wells
- Enclosed, smooth bore bearing design for longer life
- New Dual Surface Upthrust Washer provides improved protection to the internal components during upthrust
- Redesigned Noryl upper bearing spider with an abrasive deflector plate for improved abrasion resistance
- Longer intermediate bearing spider on the larger, dual casing pumps for strength

The Goulds Pumps GS Submersible features our floating stack hydraulic design. This field proven design has over four decades of reliable, sand-handling, abrasion resistant service to its credit. Noryl impellers, Lexan diffusers and Stainless Steel bowls; a Goulds Pumps exclusive design.



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