

Total Steering Systems

From Helm To Rudder



Sperry Marine

Total Steering Systems

From Helm to Rudder.....Sperry Marine Systems Does It All!

- **One source for Heading Reference, Steering Controls and Electro-Hydraulic Steering Gear**
- **One Source for Installation Assistance**
- **One Source for Worldwide Service & Training**

Sperry Marine Steering Gear – Features clevis mounted hydraulic cylinders powered by the industrial grade steering power pumps. The system is a modular design which offers a great amount of flexibility to be installed in various ship configurations. In addition, the clevis design provides superior tolerances in installation alignments.

The double-acting hydraulic cylinders in the Sperry Marine system are offered in multiples of two or four dependent on required rudder torque. These cylinders are specially designed for the demands in marine applications.

The Sperry Marine Steering System highlights are:

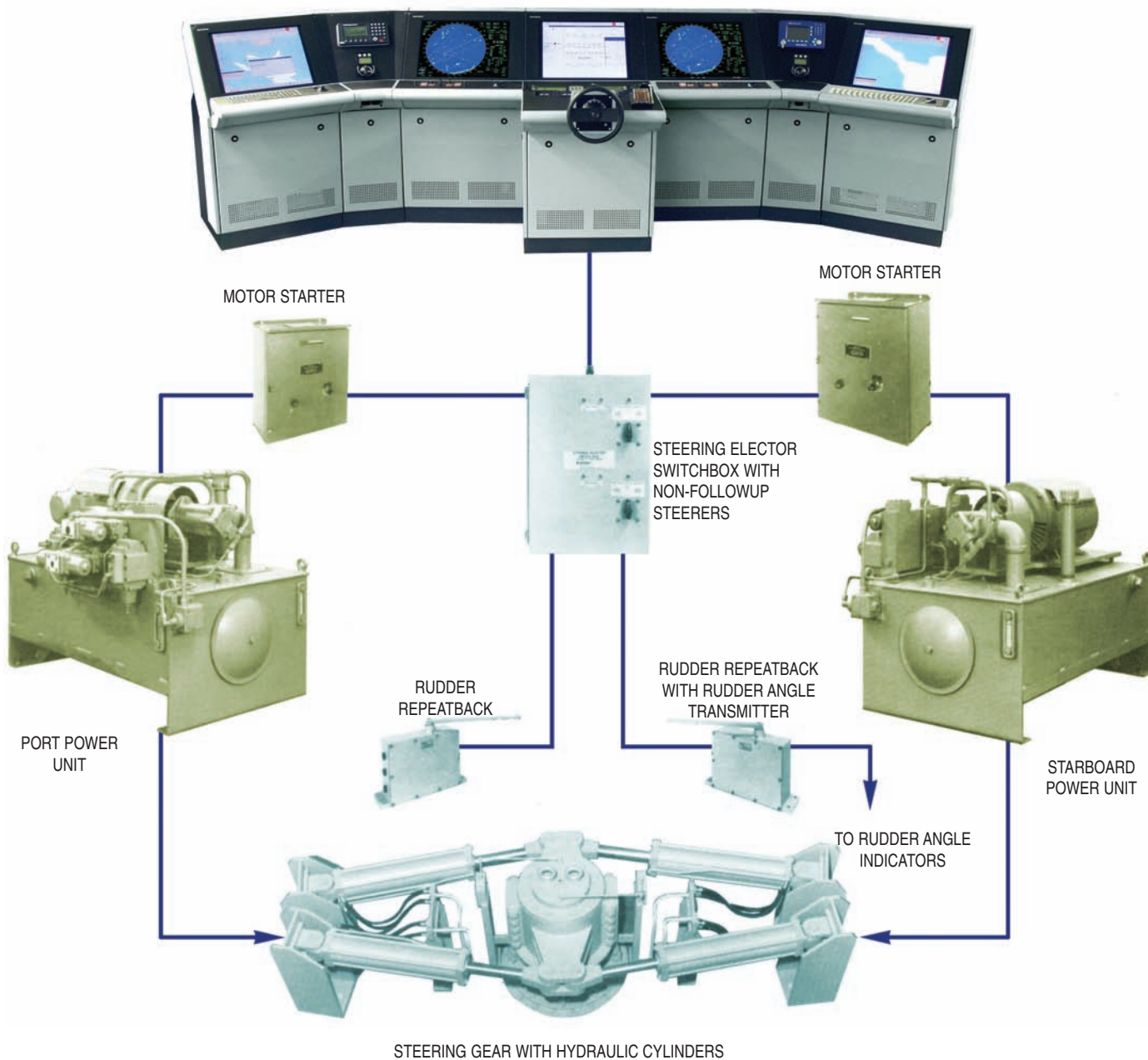
- Designed for straightforward and simple operation

- Modular in design for easy installation
- High quality components and vane pumps for long life and reliability
- Simplified maintenance

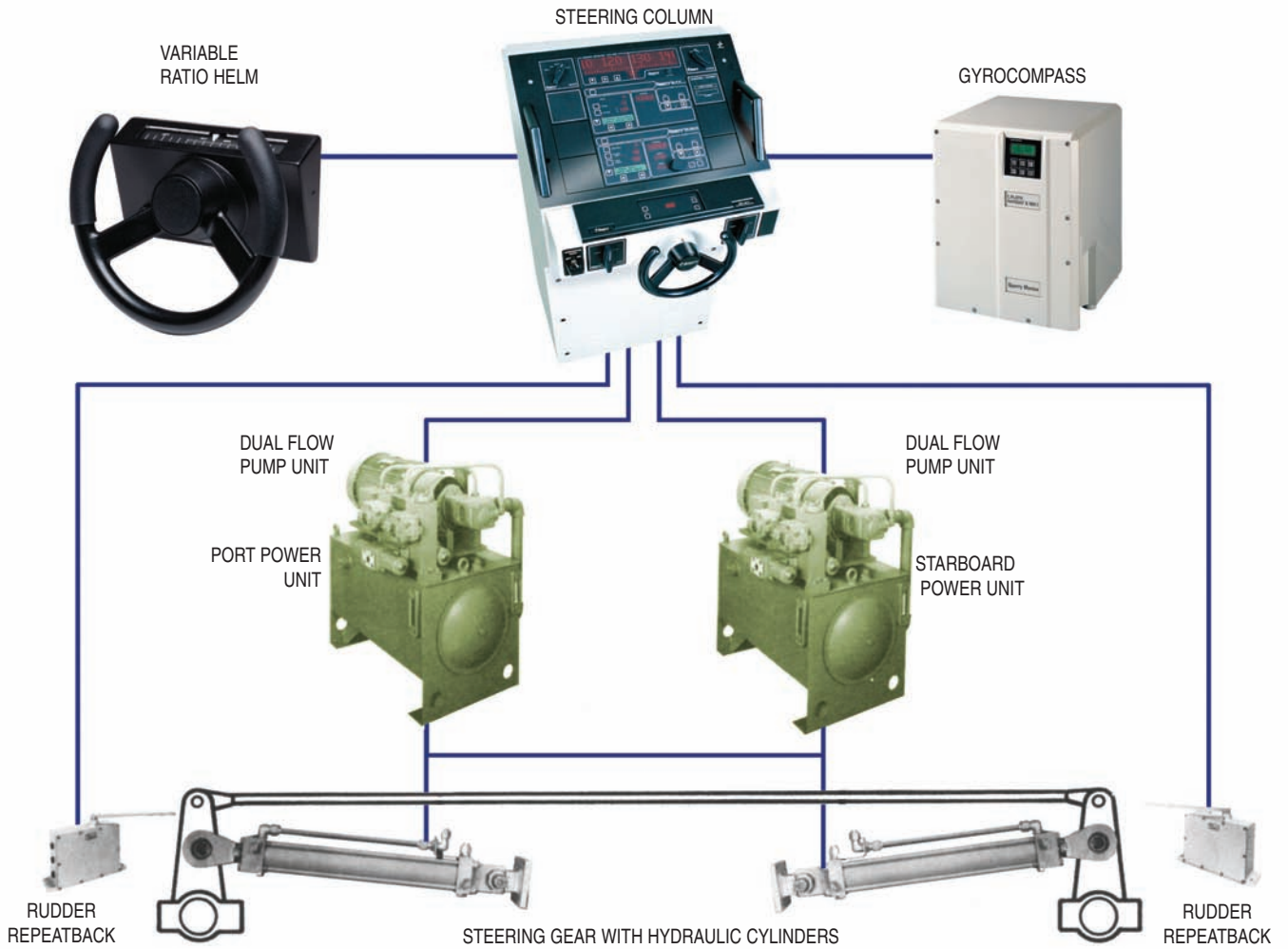
These key elements contribute to high levels of performance and safety.

Large Steering Systems

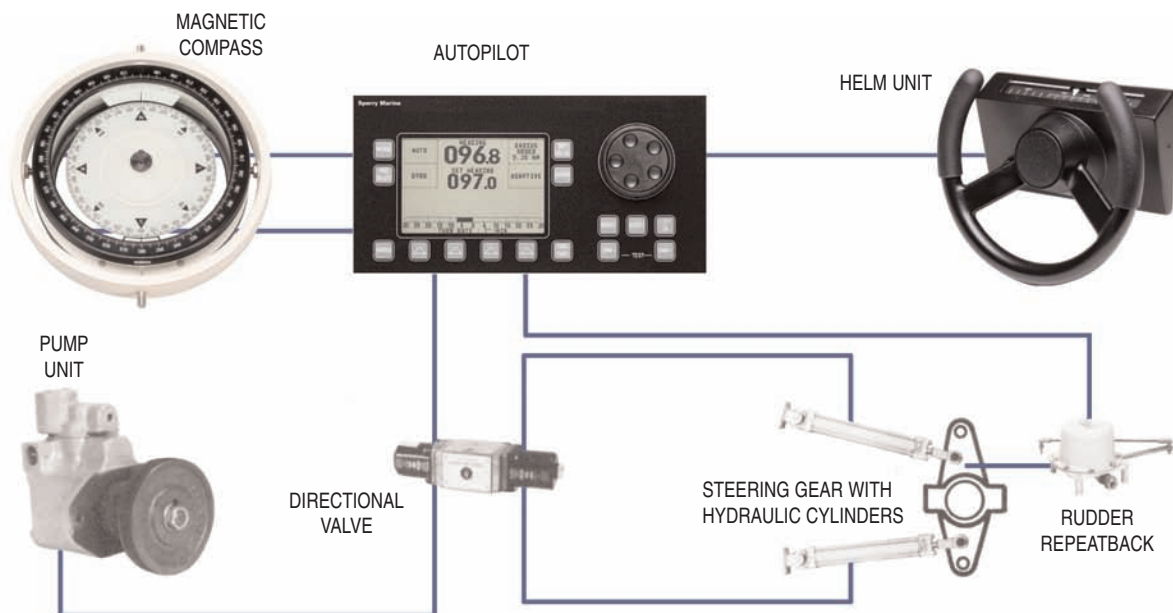
Sperry Marine Integrated Bridge System



Mid-Size Steering Systems



Small Steering Systems



Sperry Marine

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Worldwide Service

Sperry Marine, founded in 1910, is the world leader in developing, manufacturing, supplying and supporting marine electronics equipment and systems. We have 34 facilities in 11 countries and a worldwide network of over 200 distributors. Sperry Marine has a service location in every major seaport. You are never far from a factory-trained service engineer.



Centralized Dispatching Centers

North & South America

24-Hour Service:

Phone: +1 504 371 8365

Fax: +1 504 371 8368

Spares & Repairs:

Phone: +1 504 328 9171

Fax: +1 504 328 9855

Europe & Middle East

Service (United Kingdom):

Phone: +44 (0) 208 329 2401/2

After Hours: +44 (0) 208 329 2400

Fax: +44 (0) 208 329 2458

Spares & Repairs (Netherlands):

Phone: +31 (0) 10 445 1666

Fax: +31 (0) 10 434 6102

Asia

24-Hour Service (Singapore):

Phone: (65) 274 3332

Fax: (65) 271 3339

Spares & Repairs (Singapore):

Phone: (65) 274 3332

Fax: (65) 271 3339

At Your Service Around The World

Service Highlights:

- Worldwide 24/7 service
- 24 hour Hotline
- Computerized Customer Support
- Operator Crew and Technical Training
- Service Management Agreements/Contracts
- Electronic Documentation
- Computer-Based Training
- ISO 9002 Certified Offices
- Consultation for Special Projects
- Shoreside Repair Centers
- Parts Exchange Service
- GMDSS Shore-Based Maintenance Agreements

Sperry Marine, with worldwide headquarters in Charlottesville, VA, and major engineering and support offices in Melville, NY, New Malden, England, and Hamburg, Germany, is part of the Northrop Grumman **Electronic Systems** sector.



Over 400 Locations Worldwide