

Marine Steering

ENGINEERED SOLUTIONS FOR DEPENDABLE PERFORMANCE



Wagner Steering Systems

Wagner provides a complete line of hydraulic and electro-hydraulic systems. These systems range from manual hydraulics to current state of the art 'drive by wire' controls.

Our commitment to continuous improvement of our product line enables Wagner to meet the evolving demands of our customers.



Wagner Components

- Manual helm pumps
- Electric wheel & lever controllers
- Rudder Angle Indicators
- Hydraulic control systems
- Electric control systems
- Digital control systems
- Hydraulic power units
- Hydraulic cylinders
- Rapson Slide actuators

Engineered Solutions

Our engineering staff use the latest design software to deliver custom solutions quickly and efficiently also improving technical communication with naval architects, designers and builders.

With modular components Wagner systems provide maximum space efficiency with minimum cost of installation.

Steering station controls can be customized in any combination and any number of steering stations.



Wagner will meet your specific classification requirements including

- American Bureau of Shipping (ABS)
- Det Norske Veritas (DNV)
- China classification society (CCS)
- Lloyds Register (LR)
- Bureau Veritas (BV)
- Korean Register (KR)
- United States Coast Guard (USCG)
- Germanischer Lloyd (GL)

Dependable Performance

Since 1936 Wagner has maintained its solid reputation for quality and dependability throughout the marine industry.

We are proud of our commitment to on-time delivery of competitively priced systems. Wagner Engineering provides sales, service and technical assistance to vessels owners and operators worldwide with full support from our global network of distributors and agents and from our factory on the west coast of Canada. Service parts are stocked for immediate delivery to customers with either new or old Wagner Products.



Take A Fresh Look At Wagner

We offer a wide range of steering systems designed by recognized experts to fit your specific needs. When Wagner takes responsibility for your steering system, you don't just get a handshake. You get a guaranteed result.



Visit us at
www.wagnerengineering.ca

**Any steering gear
can turn a rudder
back & forth... But when
the barometer
is dropping and
sea conditions are
deteriorating
you want the most
dependable steering
system available ...**

**... the legendary
Wagner steering
system.**



Engineered Solutions For Dependable Performance

We believe that every vessel is unique and deserves a custom engineered steering system. Which means you can get exactly the type of system you need with exactly the level of performance you demand. Its this way of putting your system together that sets us apart. We have a track record of meeting the rigorous requirements of commercial marine operators.

Wagner has been leading the way in steering systems for over 60 years. The exacting standards of excellence that launched Wagner into the fore-front of marine steering products are still very much practiced today by combining the traditions of legendary quality and longevity with the latest electronic technology.



**Visit us at
www.wagnerengineering.ca**

A CONTACT DETAILS		e-mail: _____
NAME: _____	PHONE: _____ () _____	
COMPANY: _____	FAX: _____ () _____	
ADDRESS: _____	YARD: _____	
	HULL NBR: _____	

B VESSEL DATA		Please check <input checked="" type="checkbox"/> where applicable.
TYPE _____	LENGTH _____	DRAFT _____
HULL _____	<input type="checkbox"/> DISPLACEMENT <input type="checkbox"/> PLANNING	<input type="checkbox"/> CATAMARAN <input type="checkbox"/> OTHER _____
CLASS APPROVAL _____	<input type="checkbox"/> ABS <input type="checkbox"/> LLOYDS <input type="checkbox"/> OTHER	
SPEED _____	CRUISING (knots) _____	MAXIMUM (knots) _____
PROPELLER _____	DIAMETER _____ (mm or inches)	PITCH _____ (mm or inches)
ENGINE _____	QTY. _____ x _____ HP @ _____ R.P.M.	ESTIMATED (knots) _____
	IDLE R.P.M. _____	RUNNING R.P.M. _____
		REDUCT. GEAR RATIO _____
		MAXIMUM R.P.M. _____

C RUDDER DATA		Please check <input checked="" type="checkbox"/> where applicable.
RUDDER ANGLE _____	<input type="checkbox"/> 2 x 35 DEGREES <input type="checkbox"/> OTHER 2 x _____ (from Midships to Hardover)	<input type="checkbox"/> NOZZLE
RUDDER SHAFT _____	DIAMETER AT TILLER _____ (mm or inches)	<input type="checkbox"/> STRAIGHT <input type="checkbox"/> TAPER
NUMBER OF RUDDERS _____	DISTANCE BETWEEN RUDDER SHAFTS _____ (mm or inches)	
DIMENSIONS and counter balance of rudder - please provide sketch		
A _____	D _____	
B _____	E _____	
C _____	F _____	
RECOMMEND COUNTER BALANCE (average of B & D)		
24 to 26%	FOR DISPLACEMENT HULLS	
20 to 22%	FOR SEMI-PLANNING	
16 to 18%	FOR PLANNING HULLS	

D STEERING SYSTEM DATA		Please check <input checked="" type="checkbox"/> where applicable.
MODE _____	<input type="checkbox"/> HAND HYDRAULIC <input type="checkbox"/> JOG (NFU) <input type="checkbox"/> HYDRAULIC FFU <input type="checkbox"/> ELECTRIC FFU	
STEERING STATIONS _____	NUMBER _____ LOCATION(S) _____	<input type="checkbox"/> WHEEL <input type="checkbox"/> LEVER
	LENGTH OF TUBING RUN FROM WHEELHOUSE TO STEERING GEAR _____ (M or Ft)	
HYDRAULIC POWER SOURCE _____	<input type="checkbox"/> ENGINE DRIVEN <input type="checkbox"/> ELECTRIC MOTOR	
	NUMBER OF PUMPS _____	HARDOVER TIME _____ (in seconds)
	ELECTRIC MOTOR _____ (VAC/PH/Hz)	SOLENOID VOLTAGE _____ DC
RUDDER ANGLE INDICATOR _____	LOCATION _____	VOLTAGE _____
REQUIRED DELIVERY DATE _____		

Disclaimer: Wagner Engineering Ltd. provides a torque estimate only. Final torque rating must be verified by builder.

Please Fax completed form to Wagner Engineering Ltd. at (604) 986-0334
Visit us on the web at www.wagnerengineering.ca



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