

# Omnithruster voortstuwings- en manoeuvreer systeem

- Eenvoudige installatie
- Gewichtsverdeling zonder extra zware constructie
- Minimaal verlies aan drijfvermogen
- Geen uitstekende delen buiten de scheepshuid
- Uitlaatkanalen 5 tot 20% kleiner
- Brandstof besparend
- Op afstand bedienbaar
- Toegepast op duwboten, visserij schepen, sleepboten, offshore supply schepen, speciale vaartuigen, jachten, enz.



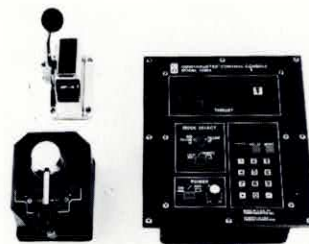
U.S. Navy Torpedo Recovery Vessel

## Omnithruster<sup>TM</sup> More Than Just A Bow Thruster

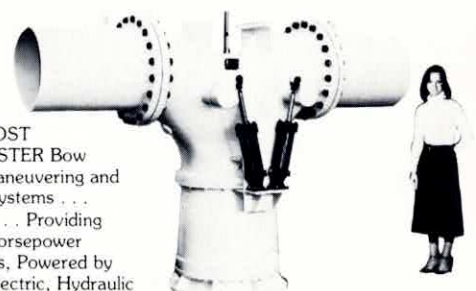
- ◆ Thrusts Underway
- ◆ Thrusts While Pitching
- ◆ No Reversing Impeller to Change Directions
- ◆ Minimum Buoyancy Loss
- ◆ Smaller Hull Penetration
- ◆ Fuel Savings

### OMNITHRUSTER DOES IT ALL!

- ◆ Thrusts with nozzles out of water in rough seas: vertical systems only.
- ◆ No protrusions . . . no change in hull shape.
- ◆ Small nozzles reduce drag . . . save fuel and passage time.
- ◆ Easily retrofitted.



Micro-Processor Control System, Model 1200A . . . with gyro input . . . holds vessel's heading. System also accepts compatible NAV/AIDS fore-aft and slow-speed propulsion and positioning.



LOWEST-COST  
OMNITHRUSTER Bow  
and Stern Maneuvering and  
Positioning Systems . . .  
PV SERIES . . . Providing  
25 to 3000 Horsepower  
Combinations, Powered by  
AC or DC Electric, Hydraulic  
or Diesel Drive.

\*Covered by U.S. Patents: Foreign Patents Pending.



Torpedo Recovery Vessel 134'    Crabber 125'    Ocean Cargo Barge 363'    Tug 60'



Crew Boat 125'    Offshore Supply Boat 180'    Research Vessel 165'    Fisher/Processor 165'

Exclusief vertegenwoordiger voor de Benelux:

**Manotherm b.v.**

Postbus 1218, 3000 BE Rotterdam,  
Tel. 010-169011, Telex 28604 termo nl.