HOLLAND MARINE PARTS

We keep you moving!

JET THRUSTERS FOR BOW AND STERN

THE NEW CHOICE IN MANOEUVRING
Installation kit contains:
- Water intake combination (2x JT-90)
  - 1x Water inlet SS316 3" BSP
  - 1x 90° elbow SS316 F/F (Optional 2 x 45°)
  - 1x Reducer 3" BSP/2½" BSP SS316
  - 1x Ball valve 2½" BSP
  - 1x Hose connector 3"/76mm
  - 1x Hose 3"/76mm 3.3 ft
  - 2x Hose clamp 77-94mm
- Pressure hose combination
  - 1x Flexible pressure hose
  - 6x Hose clamp
  - 2x Hose connector SS316
  - 2x Elbow 45° SS316 M/F
  - 2x Ball valve
  - 1x Control panel with Joystick

Advantages:
✓ Quiet operation
✓ No cavitation
✓ No large tunnels which are difficult to fit and cause more resistance
✓ No vulnerable propellers
✓ Outlet opening Ø 2 inch
✓ Flexible installation

A complete Jet Thruster system includes: • Pump unit & pump outlet • Valve(s) • Installation kit • Nozzles available for all types of hull plating.

Jet Thruster Single
Installation kit contains:

**Water intake combination (2x JT-90S)**
- 1x Water inlet SS316 3” BSP
- 1x 90° elbow SS316 F/F (Optional 2 x 45°)
- 1x Reducer 3” BSP/2½” BSP SS316
- 1x Ball valve 2½” BSP
- 1x Hose connector 2½” BSP SS316
- 1x Hose 2½” BSP (3 ft)
- 2x Hose clamp 77-94mm

**Pressure hose combination (2” BSP JT-30/JT-50, 2.5” BSP JT-90)**
- 1x Flexible pressure hose
- 12x Hose clamp
- 4x Hose connector SS316
- 4x Elbow 45° SS316 M/F
- 4x Ball valve 2” BSP
- 1x Control panel with Joystick

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**Jet Thruster Combi for maximum manoeuvrability**

**JT-50  110 thrust LBS  12V**
- Voltage DC: 12V
- E-motor capacity kW: 6kW
- Current: 850A
- Master fuse: 1000A
- Recommended battery capacity 12V: 1 x 165Ah
- Battery cable +/-: 3ft -> 2/0 AWG
- Max. operating time: 4 min.
- Water inlet: 1 x Ø/3½”
- Water outlet: Nozzle Ø 1.26”
- Pressure hose diameter: 2”
- Weight pump: 80 LB
- Pump unit: LxWxH: 19½x16.73x13-14.17 inch
- 3-Way valve: LxWxH: 9.44x6.29x7.44 inch

**JT-70  154 thrust LBS  24V**
- Voltage DC: 24V
- E-motor capacity kW: 10kW
- Current: 550A
- Master fuse: 600A
- Recommended battery capacity 12V: 2 x 120Ah
- Battery cable +/-: 3ft -> 2/0 AWG
- Max. operating time: 4 min.
- Water inlet: 1x 4” BSP
- Water outlet: Nozzle Ø 1.81”
- Pressure hose diameter: 3”
- Weight pump: 95 LB
- Pump unit: LxWxH: 21.25x15.95x14 inch
- 3-Way valve: LxWxH: 11x9.25x9 inch

**JT-90  198 thrust LBS  24V**
- Voltage DC: 24V
- E-motor capacity kW: 14kW
- Current: 770A
- Master fuse: 850A
- Recommended battery capacity 12V: 2 x 165Ah
- Battery cable +/-: 3ft -> 2/0 AWG
- Max. operating time: 4 min.
- Water inlet: 1x 4” BSP
- Water outlet: Nozzle Ø 1.81”
- Pressure hose diameter: 3”
- Weight pump: 130 LB
- Pump unit: LxWxH: 26.57x15x14.37 inch
- 3-Way valve: LxWxH: 11x9.25x9 inch
JET THRUSTER VERTICAL

Pump unit placed in Vertical position, water intake direct on hull.

For installation of the vertical pump unit 5 different angled flanges are available to accommodate most hull angles.
Jet Thruster Single

Jet Thruster Combi

* JT-90; 2x water intake.

Option 1:

Option 2a:

Option 2b:

<table>
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<tr>
<th>Component</th>
<th>Code</th>
<th>Notes</th>
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<td>Pump unit JT-30 / JT-50</td>
<td>JTS-30-00 / JTS-50-00</td>
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<tr>
<td>3-Way valve</td>
<td>V-101-00</td>
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<tr>
<td>Water inlet</td>
<td>I-302-00</td>
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<tr>
<td>Ring 3&quot; BSP</td>
<td>I-303-00</td>
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<td>Seal Rubber</td>
<td>I-306-00</td>
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<td>Elbow 90°</td>
<td>I-307-00</td>
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<tr>
<td>Reducer 3&quot; BSP/2,5&quot; BSP</td>
<td>I-308-00</td>
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<tr>
<td>Ball valve 2,5&quot; BSP</td>
<td>I-309-00</td>
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<tr>
<td>Hose connector 2,5&quot; BSP</td>
<td>I-310-00</td>
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<tr>
<td>Hose clamp 77-94mm</td>
<td>I-331-00</td>
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<tr>
<td>Hose 3&quot; BSP/L=3.3 ft</td>
<td>I-312-00</td>
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<tr>
<td>Pressure hose 2&quot;</td>
<td>I-113-00</td>
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<tr>
<td>(L=33ft Flexible )</td>
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Hose clamp 48-60mm          | I-114-00   |
Elbow 45° 2" BSP M/F        | I-316-00   |
Hose connector              | I-115-00   |
Ball valve 2" BSP           | I-317-00   |
Nozzles                     | I-318-00   |
10 reasons to choose for a Jet Thruster

1. **Silent operation**
   In contradiction to a conventional tunnel thruster the Jet Thruster operation is quite. There are no sounds from a cavitating propeller producing the annoying loud sound that are common with conventional tunnel thrusters.

2. **No tunnel**
   The nozzles or outlet are flanged thru hulls with a very small diameter. There is no need to drill large holes for installation of a tunnel with no Fiberglassing. The Jet Thruster can be installed in vessels that cannot fit a conventional bow, stern or retractable thruster with ease.

3. **One system for maximum control**
   Besides the Jet Thruster Single for bow and stern thrusting a dual(combi) system is available. The combi for bow and stern enables you maximum control for your boat. With the combi you will have full directional control for perfect docking in all weather conditions.

4. **Stern-Jet**
   Install a stern Thruster in conjunction with your existing bow thruster for additional docking control.

5. **Draft**
   If you have a shallow draft boat or little room to install then the Jet Thruster is your solution. The nozzles can be placed only a few inches below the waterline.

6. **Flexible installation**
   The components of the system allow for many installation options making this system adaptable to fit in most any boat of any size.

7. **Quality, simplicity and reliability**
   With no vulnerable electronic parts and standard electrical installation techniques it can be serviced all over the world without any special tools or equipment. Components that contact (sea) water are made of a corrosion resistant material.

8. **Applicability**
   The Jet Thruster can be applied in many Motorboats, Sailboats, Barges, Workboats, Catamarans consisting of polyester, wood, steel and aluminium construction.

9. **Reduce drag Saving fuel while increasing speed**
   Large tunnels cause resistance costing fuel and decreased speed. The Jet Thruster however works with very small outlet openings in bow and stern. Great for the sailboater looking for every knot out of there boat.

10. **Installation**
    The installation is easy and does not require special or special tools. Due to the ease of installation it can be installed in a fraction of the time of a conventional thruster. Reducing installation cost for the OEM, Marina or even the do-it-yourselfers.
Frequency 433 & 869 MHz, 1 channels
Modulation type FM-Modulation
Code comb. 16,777,216
Radio type PLL Synthesizer
Output 7 mW (by 50 ohm)
Buttons 2/4 x 1-step buttons
No. of batteries 3
Batteries exchangeable
Type of batteries 1.5V AAA
Weight ~ 120 gr / ~ 0.3 lb
Dimensions ~ 66 x 113 x 35 mm / ~ 2.6 x 4.4 x 1.4 in
Water resistant IP65

Frequency 433 & 869 MHz, 1 channels
No. of function relays 4
Duplex No
Power supply 12-24V DC & 230V AC & 115V AC & 24V AC
Max current consumption 10-300
Dimensions ~ 133 x 120 x 45 mm / ~ 5.2 x 4.7 x 1.8 in
Protection IP65
Radio type Double superheterodyne
Sensitivity -100 dBm
Bus system None
Relay functionality Momentary, Latching, Interlocking
Antenna 1 external BNC
Temperature -20 to +55 C / -4 to +130 F
869 MHz: ASM= 12-24V AC, BSM= 230V AC
Max. number of transmitters 40

Holland Marine Parts Jet Thrusters can be controlled with the dedicated Wireless Control Unit. Enabling you docking and maneuvering your vessel with maximum control!
• Water resistant (IP65) • Industrial quality • Comfortable grip

Complete kit contains: Transmitter, Receiver, Antenna + cable
The Jet Thruster systems and components are a brand of, and developed by:

**HOLLAND MARINE PARTS**

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