Ejector solutions for the marine and off-shore industry
Primetech is an organization which stemmed out of the technological renaissance of India. Founded in 2005 by two ambitious technology entrepreneurs the company has quickly grown to become the leading Indian ejector manufacturer for the marine, oil and gas, pulp and paper, metal refining and chemical industry.


Our competitive edge lies in our adoption of the latest ejector design and construction methods, intense focus on quality, competitive pricing and the ability to foster repeat customers. Our ejectors are custom built for every client to suit the specific requirements of each application.

Primetech’s qualities have resulted in a growing international customer base in countries like Australia, USA, Columbia, Brazil, Phillipines, Dubai, Kuwait, Malaysia to name a few.

Our marine range of ejectors are routinely inspected by Lloyd’s register, ABS, Bureau Veritas, RENA and IRS.

1: Bilge stripping ejector  3: Air jet ejector
2: Saucony mixer         4: Firefighting foam ejector
Ballast water is crucial for the stability of a ship in open sea. The ballast tank needs to be filled or emptied quickly during the cargo unloading and loading cycles of the ship. Ejectors are normally used for this purpose. The Primetech E200 series of stripping ejectors are specially custom made using the highest quality materials to suit your specific pumping requirements. The E 200 series ejectors are designed for a stationary mount, for the portable version see E 101 (next in catalogue).

We offer a warranty of up to 20 years on our ejectors. Our products are routinely certified by inspection agencies such as Lloyd’s register, American bureau of shipping (ABS), Bureau veritas.

► No maintenance
► No moving parts
► Custom designed as per customer requirements
► Self-priming

Applications
► Ballast pump in / pump out
► Bilge pump in / pump out
► Engine room pump out
► Main and secondary drainage pumping
► Cargo oil pump out
► Spud can drain out

<table>
<thead>
<tr>
<th>Material of construction E 200 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Body</strong></td>
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<tr>
<td><strong>Nozzle</strong></td>
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<tr>
<td><strong>Fasteners</strong></td>
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<tr>
<td><strong>Gaskets</strong></td>
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</table>

Fig 1. Primetech Bilge stripping ejector
The datasheet contains details on standard models which were designed based on our most common enquiries. We are open for customized design to suit your specific capacity requirements.

### Technical Data sheet

**E 200 series stripping ejector**

<table>
<thead>
<tr>
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<td>165</td>
<td>150</td>
<td>150 NB</td>
<td>150 NB</td>
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</table>

**Capacity m³/hour**

**Inlet size**

**Discharge size**

**Dimension A**

**Dimension B**

**Dimension C**

**M = Motive**

**S = Suction**

**D = Discharge**

**A, B, C = Dimensions of ejector**
Auxillary pumping with portable ejector

E 101

The portable ejector can be considered as an auxiliary pump which is always on stand-by for emergency and routine pumping in various locations within a shipping vessel. These ejectors are generally smaller in size and capacity than the E 200 series and can be carried to required locations manually.

We offer a warranty of up to 20 years on our product. Our ejectors are routinely certified by certification agencies such as Lloyd’s register, American bureau of shipping (ABS), Bureau veritas.

► No maintenance
► No moving parts
► Custom designed for each application
► Can be moved to pumping locations every time

Applications
► Ballast pump in / pump out
► Bilge pump in / pump out
► Engine room pump out
► Cargo oil pump out
► Bulk carriers
► Chemical carriers

Working
► The ejector is manually lowered into the space to be pumped or can be operated at length with a suction hose so that suction hose is immersed into the fluid that is being pumped out.
► The passage of the motive fluid through the ejector produces the required vacuum to entrain the suction fluid and discharge it.
► An optional check valve can be provided to prevent back flow when motive flow line is closed. An optional ball valve can be provided for on-off control during operation.
► Oil resistant as per IS 10733, customer specific hose end connections supplied.
This datasheet contains details on standard model which were designed based on our most common enquiries. We are open for customized design to suit your specific capacity requirements.
Cleaning on-board cement tanks
E 300 mucking ejector

Mucking ejectors are water driven jet pumps which are used as vacuum cleaners for cleaning on-board cement tanks on platform supply vessels (PSV) or Anchor handling tug supply vessels (AHTS). Normally water from fire pumps or similar sources are used to drive the mucking ejector which cleans the cement tank during various points of the loading and unloading operation.

We offer a warranty of up to 20 years on our product. Our ejectors are routinely certified by certification agencies such as Lloyd’s register, American bureau of shipping (ABS), Bureau veritas.

Applications
► Prior to cement loading– Cleaning up of intended storage area
► During loading– Dust evacuation
► After discharging– Cleaning and dust evacuation

![Fig 3 Rendering of the Primetech mucking ejector](image)

Working
► The ejector is manually lowered into the space to be cleaned or can be operated at length with a suction hose.
► Multi-nozzle opening is used to enhance the air-handling capacity of the ejector.
► Ball valve connected on the suction side to prevent back-flow of motive water.
► Strainer connected on the motive side to prevent entry of unwanted foreign particles.
► Corrosion resistant material of construction.
This datasheet contains details on standard model which were designed based on our most common enquiries. We are open for customized design to suit your specific capacity requirements.
Spud can stripping in off-shore drilling platforms

E 1500 spud can ejector

Spud cans are the base cones on mobile drilling jack-up platforms. They are designed to spread the load across the base so that the rig does not sink deep into the sea bed. They provide stability to lateral forces on the jack-up rig when deployed onto ocean bed systems. Spud cans are normally filled with sea water to provide the requisite weight to the base structure. When the jack-up platform is to be moved to another, the spud cans are emptied by using ejectors.

Unlike conventional ejectors, the E-1500 Series Spud can ejectors are designed with “in-line suction and angular in-line motive” flow feature.

This design feature enables vertical upward installation of the ejector, thereby enabling direct suction from Spud can bottom and easy discharge in vertically upward line. This improves suction/Evacuation efficiency and minimizes energy losses.

<table>
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<th>Material of construction E 1500 Spud can ejector</th>
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<td><strong>Nozzle</strong></td>
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<tr>
<td><strong>Fasteners</strong></td>
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<tr>
<td><strong>Gaskets</strong></td>
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</tbody>
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Fig 4. Left, Cross sectional diagram of a spud can installed with a Primetech E 1500 ejector, right mobile drilling platform with spud cans at the base
### Technical data sheet

**E 1500 spud can ejector**

This datasheet contains details on standard models which were designed based on our most common enquiries. We are open for customized design to suit your specific capacity requirements.

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<th>Model</th>
<th>Capacity m³/hour</th>
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<th>Suction</th>
<th>Outlet</th>
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<th>Dimension B</th>
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