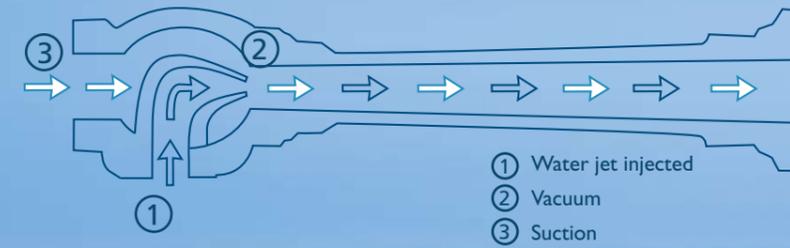


## Ingenious in its simplicity



### ELLEHAMMER high-quality Ejector Pumps

ELLEHAMMER ejectors can pump bilge under all conditions. This makes an ejector pump the safe solution. Bilge water is always filled with dirt which can block traditional pumps and make pumping impossible. With an ejector pump, the risk of blocking is close to nil, because the dirt is simply discharged with the water.

Besides being safe, the ejector pumps are extremely robust and they are designed to meet tough maritime demands. Initial and operating costs of ejectors are low and reliability is very high. They require no maintenance, because they contain no moving parts.

There are more than 70,000 ELLEHAMMER ejectors in service in the marine sector all over the world. Many more are on their way.

#### Bronze hinders corrosion

The ejector is mostly made of bronze which resists corrosion, and its simple construction means dirt and fibre in the liquid sucked up are no problem. It needs no greasing or maintenance and can be positioned really close to the liquid to be pumped up, with no need for pipe extensions.

#### Many uses

Ejectors can be used for many different purposes – wherever there is a need for reliable and effective pumping out of the ship, e.g.:

- Water from anchor wells
- Grey and black water
- Bilge water
- Ballast water
- Oil residue

They can also be used as bilge pumps.



### ELLEHAMMER's ejectors are tailored to the situation

The dimensions of the ejector's bore, nozzle, and suction are designed to achieve the optimal capacity in relation to the height to be pumped, the external pump's capacity, and the characteristics of the liquid to be pumped up.

These calculations are very difficult and require years of concrete experience and experiment. One can easily lose 50% capacity if the calculations are not based on reliable data and knowledge – as they are with ELLEHAMMER.

#### How an ejector works

The ejector pump is based on the fact that a jet of water injected into a pipe produces a suction or vacuum. The suction is able to draw an additional quantity of water, fluid or gas which can then be transported further on by using some of the energy delivered by the injected jet of water.

#### Transport of liquids, gases and solids

The ejector is attached to the existing pumping equipment, which does not come in direct contact with the material to be pumped out. Both stationary and moveable units can be supplied.

In addition to liquids, ejectors can transport solids, such as filter sand, or be used to remove damaging vapours or to mix different gasses.

