

ZEUS NUMERIX

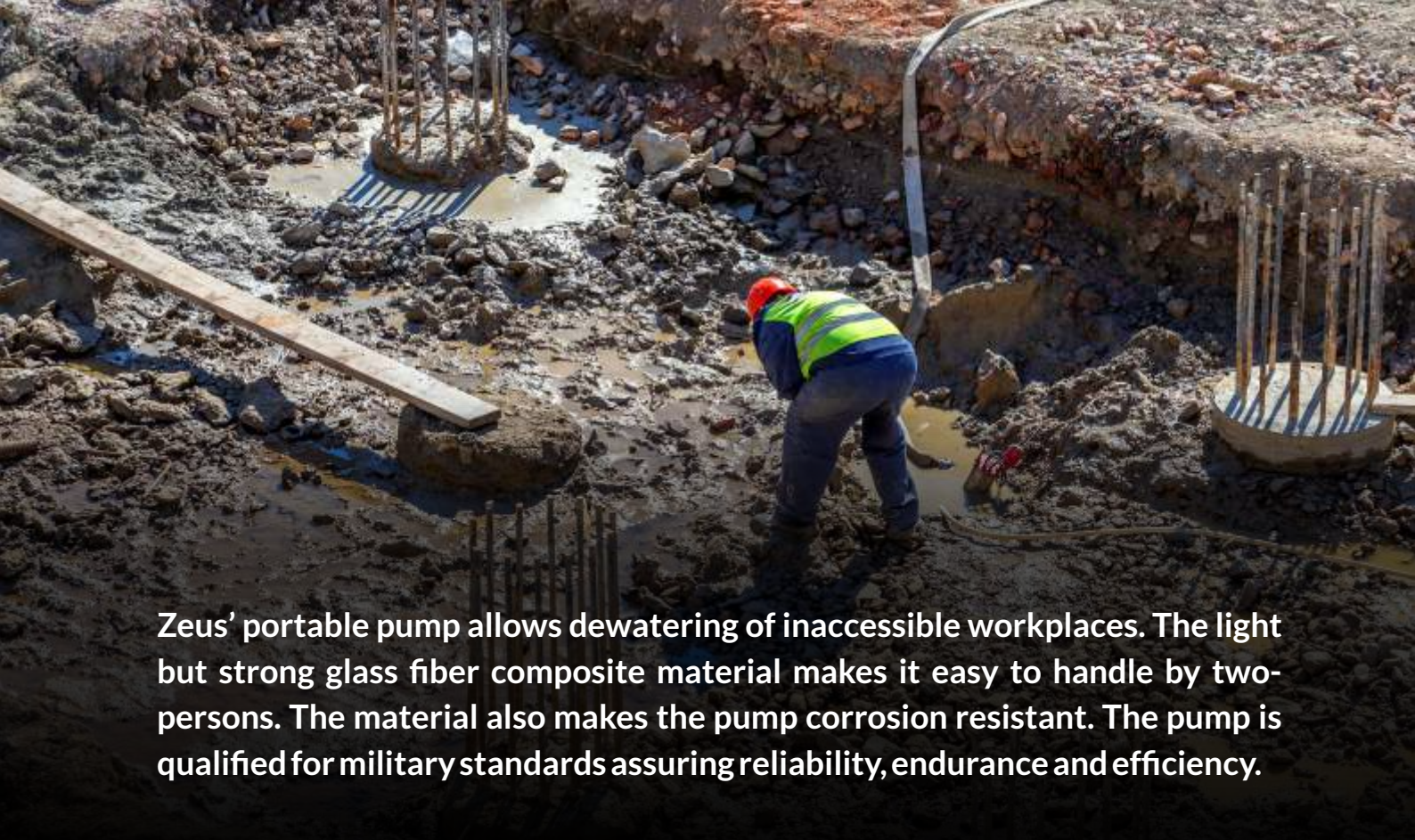


# World's First FRP Dewatering Pump

**5HP**

The only Man-portable  
dewatering pump in 5HP category

Utilizes high performance  
composite material for  
compact & lightweight design



Zeus' portable pump allows dewatering of inaccessible workplaces. The light but strong glass fiber composite material makes it easy to handle by two-persons. The material also makes the pump corrosion resistant. The pump is qualified for military standards assuring reliability, endurance and efficiency.

## Design Features

### Qualified for Harsh Environments

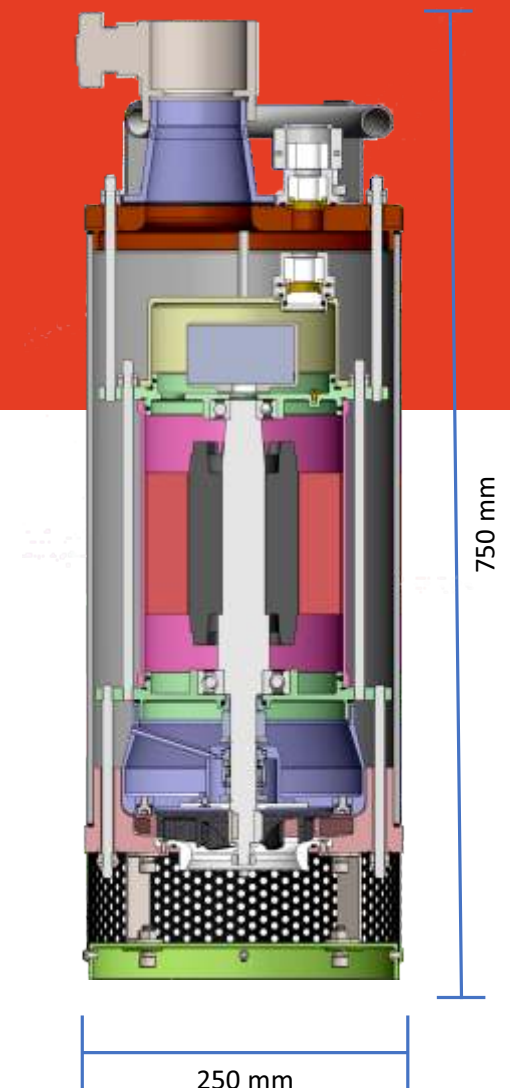
Designed & tested to Naval standards for emergency operations. Tested for temperatures up to 80°C, rapid thermal cycles, bumps, vibrations & drops.

### Environmental Tests

Qualified for 15+ minutes of Dry Run, 25 Start-Stop / Hour and 20 Hours of continuous run without any loss of performance. IP 68 motor - submergence up to 10m.

## Material of Construction

Impeller	SS304
Body / Casing	Composite Glassfiber
Upper Cover	SS304
Strainer	SS304
Pump Shaft	Duplex Steel 2205 as per ASTM
Diffuser	Delrin®
Mechanical Seal	Sealing face - Silicon Carbide, Rotating face - Super Duplex Steel
O-rings	Viton®
Bearing	Deep Groove Ball Bearing
Gasket	Viton®



# Specifications

Head	15 Meters
Capacity	40 m <sup>3</sup> /Hr, 666 LPM
Power Rating	5 HP / 3.7 kW, 3-Phase
RPM	2850
Voltage & Current Range	380 / 415 V, 7.7 Amps
Type of Cooling	Water Cooled
Discharge Diameter	3 inches (76.2 mm)
Strainer Passage	6 mm
Weight	< 45 Kg



## Reliable Leakage Protection

Double seal compression gland prevents water intrusion into the motor housing due to capillary action.

## Insulation

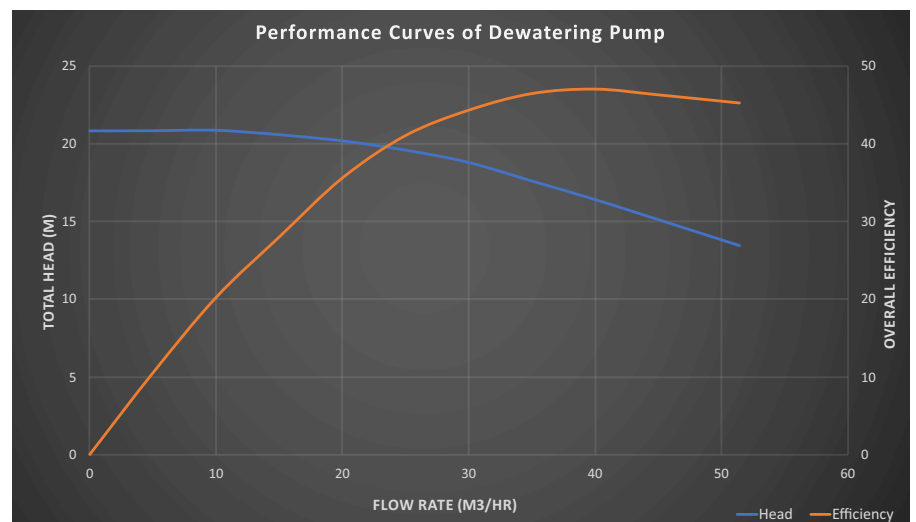
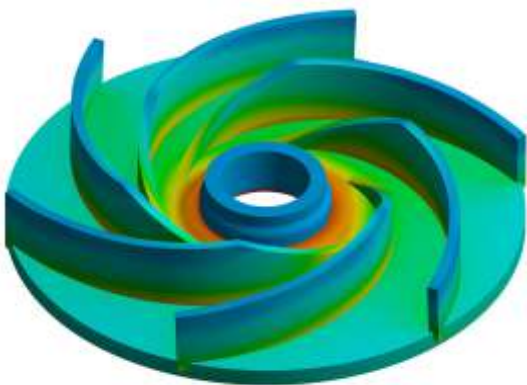
Class H (NEMA) insulation assures motor operation up to 180°C - higher than most commercial pumps.

## Easy & Safe Handling

Portable design for easy carriage & setup by 2 persons



Advance computational tools like CFD & FEM were used to obtain efficient and robust design”



# Applications

Construction Sites

Mining

Flood Water Handling

Excavation

Agriculture

Salt Pans

Dewatering Emergency



Contact Us

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