



External Fire Fighting Pumps For Ships

FIFI 1,2,3 FIRE PUMP

FiFi 1/2 is an unclassified fifi system with smaller capacities than Fifi 1. Typical systems are: 2x600 m³/h capacity monitors, 2x300 m³/h monitors or 1x1200 m³/h monitor. The fire pumps are often direct driven by diesel engine, or by small PTO driven gearbox.

Fifi 1 class requires two monitors with total capacity 2400 m³/h and throw length of 120 meter. It also requires the ship to have a self protection (Deluge) system.

Typically a fifi 1 system includes:

- Fire pumps: 2 x 1500 m³/h or 1 x 3000 m³/h
- Monitors: 2 x 1200 m³/h
- Control system
- Water deluge system
- Deck heads (4-way)

Class requirements are different:

DNV & CCS: *throw length 120m from ship front gives total throw length of 130-140 meters*

Other societies: *throw length 120m from monitor.*

Fifi 2 class requires a total monitor capacity of 7200 m³/h and throw length of 150 meter.

Typically a fifi 2 system includes:

- Fire pumps: 2x3600m³/h, 3x2400m³/h, 4x1800m³/h
- Monitors: 2x3600m³/h, 3x2400m³/h, 4x1800m³/h
- Control system

- Deck heads (4-way)

Class requirements are different:

- DNV, CCS: *150m throw from ship front. DNV allows 2 monitors if throw length is 180m*
- Others: *150m throw length from monitor. Requirement for 3-4 monitors*

Fifi 3 class

fifi 3 system includes :

- Fire Pumps : 3 x 3200 M3/H, 4 x 2400 M3/H / 2500M3/H
- Monitor : 3 x 3200 M3/H, 4 x 2400 M3/H / 2500M3/H





VERSA PUMP

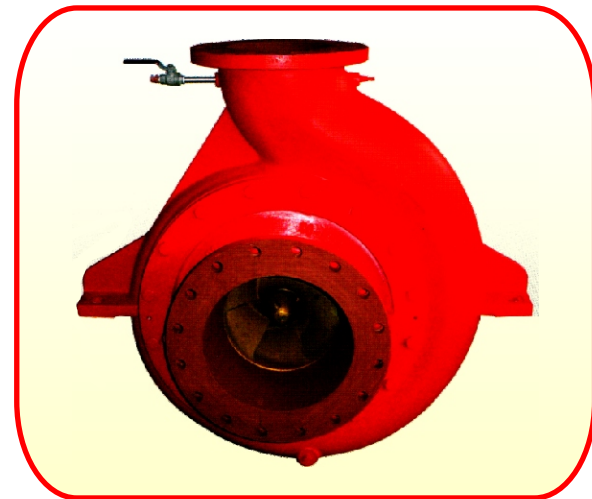
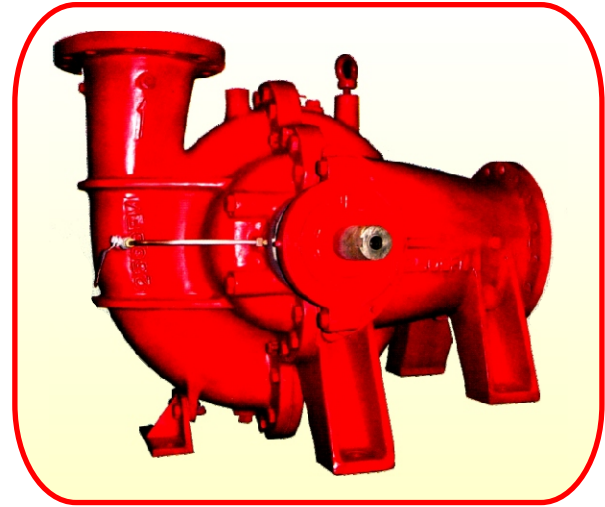
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INTRODUCTION

Versa Corporation Pty Ltd is a specialist manufacturer of pumps for building services & industrial and marine applications. The company has a successful track record of product innovation and responsiveness to customers.

Versa offers an extensive range of fire pumps to the ship building industry. Major value propositions are as follows:

- Capacities up to 3600 m³/hr.
- Head up to 36 bar.
- Speed up to 3000 rpm.
- Split case and end suction designs.
- Vertical shaft option for split case pump
- All possible branch orientation
- CW & CCW rotation
- Wide material solution including
- Ni Al Bronze, Gun Metal, Ductile Iron, Ni Resist, etc.
- Quick customisation at relatively low cost.
- Certification by Lloyds, ABS, BV, DNV, RINA, CCS, KR, etc.
- Very quick delivery



VERSA CORPORATION PTY LTD.