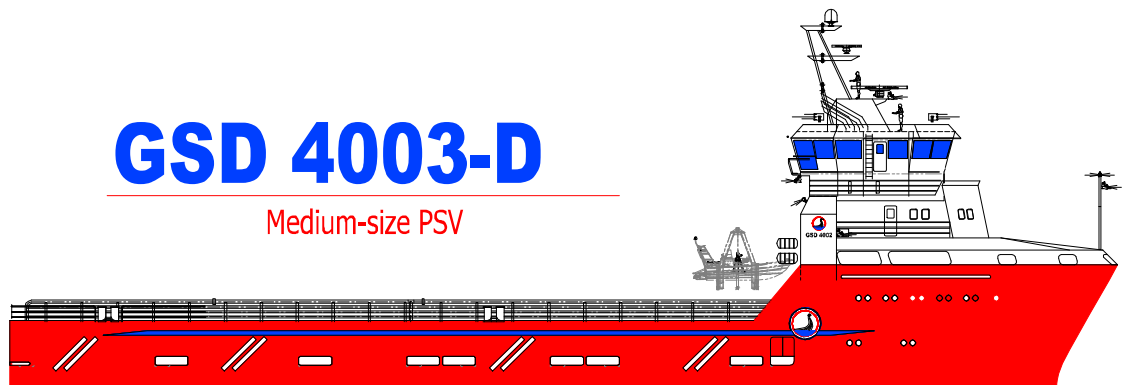


GSD 4003-D

Medium-size PSV



GSD 4003 is an environmental friendly, safe ship with flexible loading capacity and good stability which will make money for its owner.

Made for the North Sea conditions. Prepared to meet NOFO (2009) requirements.

GSD 4003 is a Medium size PSV which comply with latest requirements regarding emissions to environments, Clean design, SOLAS, MARPOL, IBC etc.

A unique cargo handling system under deck. Pump room is reduced to a minimum. Tanks are provided with deepwell pumps. Gained space is utilized as cargo tanks. Due to above reasons this ship has a high tank capacity and a great number of segregations. The piping system is simple and safe: Every pump is delivering to the manifold on deck, PS & STB, midship and aft. As many as 17 segregations are possible.

Some details:

- 15 Segregated Heavy Density Liquid Tanks (HDL)
- 4 Independent Low Flashpoint Tanks (LFL)
- Tanks above have no stiffeners inside. (also under main deck)
- 2 of the HDL tanks are dedicated to dry cargo. Cement, Barite.
- Hull tanks to be utilized as FW tanks and drillwater / WB.

GSD 4003 will have high comfort due to a carefully dimensioned and positioned antiroll tank.

The GM will be reduced by having dry cargo tanks on deck, and the high VCG of antiroll tank.

Adjustable revolutions and CP propeller for the bow thruster will result in low noise levels in the accommodation during normal operations.

GSD 4003 will be economical.

Latest Diesel Electrical propulsion will result in lower fuel consumption and lower emissions to the environment.

The propeller drive is of type active front end.

This results in: Low noise, simple installation, low EL losses.

The ship is not over-powered as too many ships are.

4 equal engines will give less off-hire time.

Motor alternatives: Medium speed engines, or 1800 rpm motors.

Space for catalysators is reserved in casing.

MAIN PARTICULARS

Length over all (Loa)	: 79,00 m
Length bet. perp. (Lpp)	: 71,60 m
Rule length (Lf)	: 71,60 m
Moulded Breadth (B)	: 18,00 m
Depth to deck (D)	: 7,20 m
Draught (T) max. load	: 5,80 m
Draught (T) Scantling	: 6,00 m
Speed	: 14,00 knots

CAPACITY

Deck area Shelter Dk.	: ~820 m ²
Drilling pipes at Dk.	: 5 Lengths
Deck load	: 5,0 t/m ²
Deck load (Total)	: 2000 tonnes
Deadweight	: 3000 tonnes
Crane	: 5t x 15m
Cabins	: 8x1 + 6x2 men
Passengers	: 4 men
Fuel Oil Cargo (FOC)	: 2300 m ³
Fuel Oil Consume (FO)	: 350 m ³
Water Ballast	: 1400 m ³
Potable Freshwater	: 700 m ³
MUD/Brine/Baseoil	: 1180 m ³
Sewage / sludge	: 870 m ³
Slope	: 290 m ³
Drill Water	: 1400 m ³
Cement / Barite	: 300 m ³
Containers (1.layer)	: 35 TEU
Prepared for ORO	: 2000 m ³
Generator Sets (4 off)	: ~1200 KW
Thrusters (aft)	: 2x1500 KW
Thrusters (fwd)	: 600+600 KW

Glesvær Ship Design AS

5353 Straume, tlf: +47 48997626, www.gsdesign.no

