



WATER INJECTION SYSTEM – WID 500

The Damen dismountable Water Interjection Dredging kit is designed to transform any suitable work boat into a versatile dredger. The WID 500 system is for instance easily installed on a Multi Cat 1908. All the components of the WID system are sized for containerized transport which allows for quick mobilization.

Water injection dredging is a technique that is ideal for maintenance dredging of ports, harbours, access channels and rivers.

GENERAL

Type	WID 500
Basic functions	Maintenance dredging

DREDGING FEATURES

Max. dredging depth	-12 m*
Max. flow	4,200 m ³ /h

DREDGE INSTALLATION

Dredge pump	BP5045LD
Nozzle jet beam	35x ø63 mm

ENGINE INSTALLATION

Dredge pump diesel	Volvo TAD1640
Required pump power	330 kW @ 1900 rpm

PRINCIPAL DIMENSIONS

Width jet beam	10 m*
Length jet arm	19,6 m*
Weight approx.	29 ton*
Footprint jet station	14 m ²

SYSTEM MACHINERY

Dredge valve	2x Butterfly valve
Single Hinge	2x

INSTRUMENTATION

Vacuum and pressure indication of dredge pump

REMARKABLE FEATURES

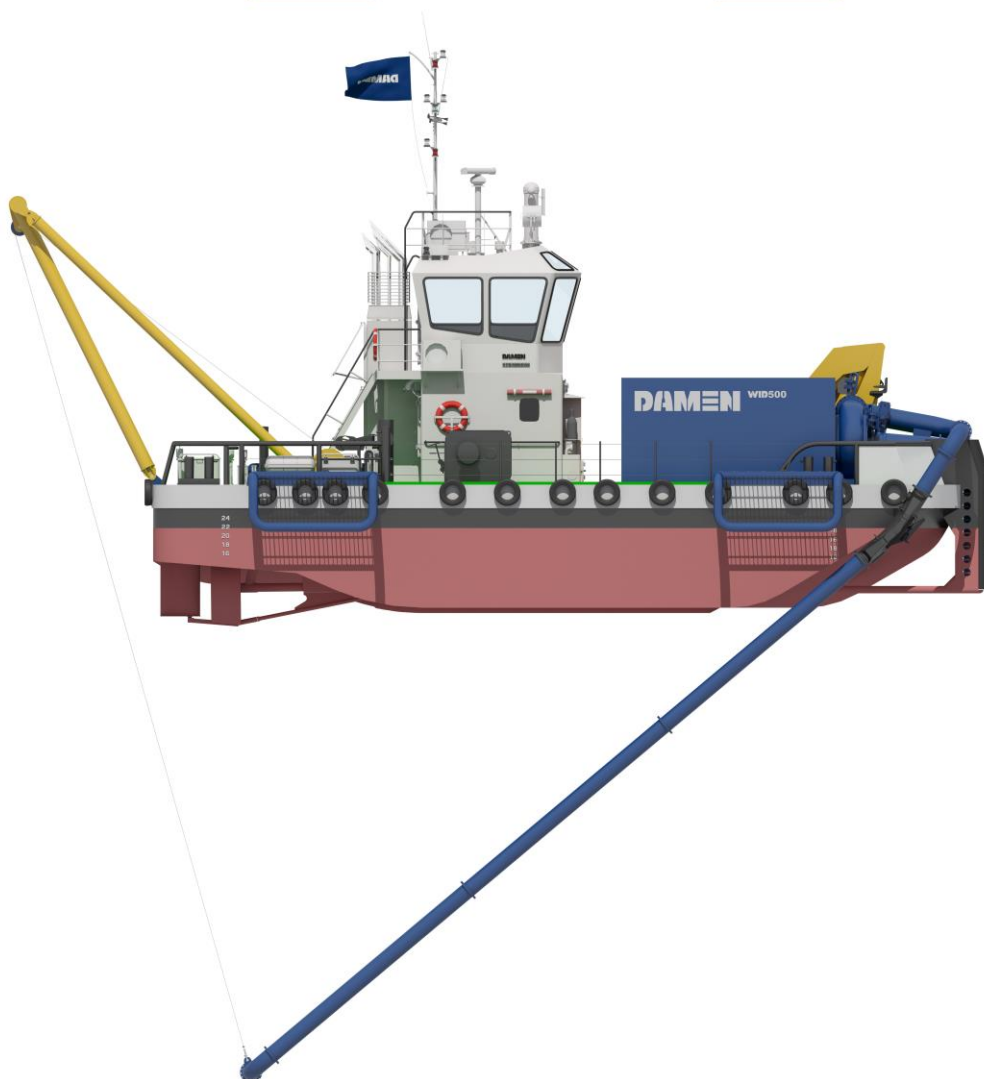
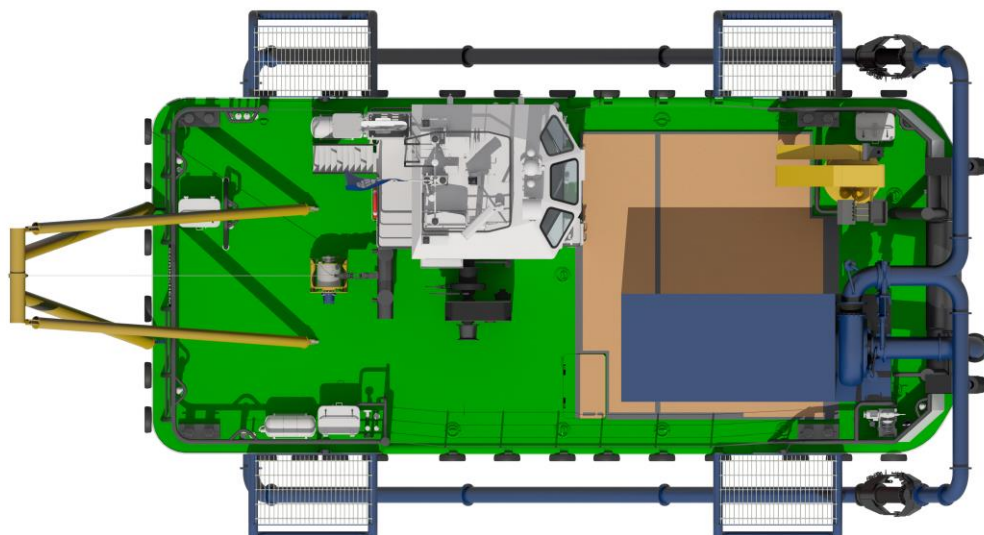
- Dismountable containerized design
- Modular design for easy and quick (de)installation
- Installation without a dry dock
- Short delivery time
- Standard Damen components
- No dedicated vessel necessary
- Design suitable for Multi Cat 1908 (or similar vessel)

AVAILABLE OPTIONS

- Navguard position visualization
- Flow measurement
- Adjustable jet beam angle
- Lifting system (A-frame & winch)
- Recovery line
- Swell compensator
- Plough
- DOP Pump

* depends on vessel used

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Avelingen-West 20
4202 MS Gorinchem
The Netherlands

P.O. Box 1
4200 AA Gorinchem
The Netherlands

phone +31 (0)183 63 99 22
fax +31 (0)183 63 21 89

info@damen.com
www.damen.com

DAMEN SHIPYARDS GROUP

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