



# Constructor

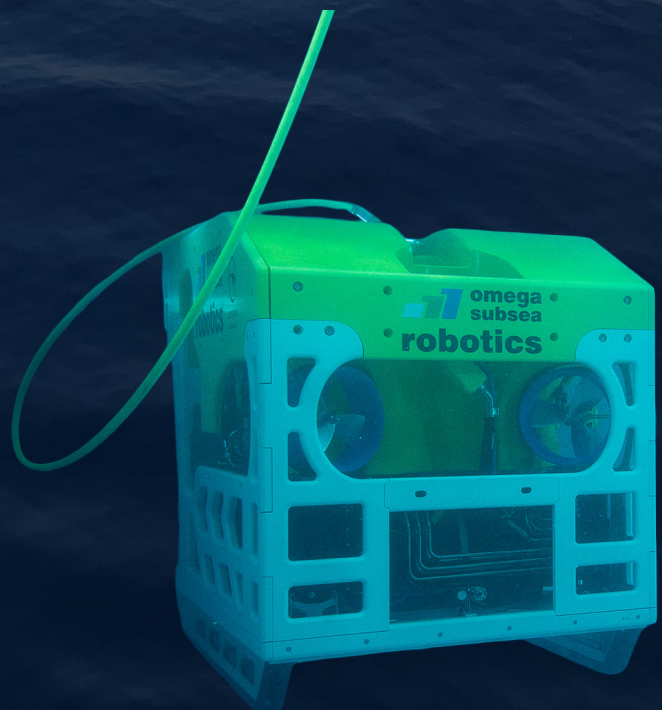
## High flow edition

## Kystdesign Constructor

The Constructor vehicle developed by KYSTDESIGN is a unique construction vehicle designed for carrying and operating large tools and modules.

The Constructor, with its exceptional capabilities, can efficiently perform a wide range of subsea tasks, including heavy construction support, inspection, and survey operations.

The Constructor can accommodate up to 25 additional hydraulic tooling functions, up to 15 additional survey sensors and eight camera connectors.



# Specifications

## Constructor High Flow Edition

<b>Depth Rating</b>	3000 m
<b>Payload</b>	500 kg
<b>Power</b>	220 hp
<b>Dimension</b>	3.2 m (l) x 1.7 m (w) x 1.9 m (h)
<b>Weight</b>	4750 kg
<b>Thrusters</b>	7 x SA380
<b>Manipulators</b>	Titan T4 Atlas R
<b>Sensors</b>	
<b>Camera</b>	2 x HD Subvis Orca ip 3 x CT3027 WA ip HD, 170deg 1 x Low Light Subvis ROSS, Dome
<b>Navigation/DVL</b>	Nemo, Subsea Navigator INS and DVL, Auto- depth/altitude, Auto heading, Station keeping
<b>Sonar</b>	Sonar, Gemini 720i
<b>TMS</b>	KD-20 Top hat
<b>Tether length</b>	850 m

### Performance

Bollard Pull FWD/AFT	900 kg
Bollard Pull LATERAL	850 kg
Bollard Pull Vertical UP	800 kg
Bollard Pull Vertical DOWN	900 kg

### Hydraulics

#### Valve Pack No. 1

10x Bi-directional Valves with proportional flow control, each with max flow 8 l/min.

#### Valve Pack No. 2

10x Bi-directional Valves with proportional flow control, each with max flow 8 l/min. Pressure on VP controlled by VP No. 3.

#### Valve Pack No. 3

2x Bi-directional Valves with proportional flow and pressure control, each with max flow 32 l/min.

2x Directional Valves with proportional flow and pressure control, each with max flow 150 l/min.

### Manifolds

Pressure and return manifolds.

1x Pilot operated high flow valve with max flow 300 l/min.

1x Pilot operated high flow valve with max flow 300 l/min.

**AUX system capacity** 260bar, 300l/min

**Power distribution**

- 150 VDC – for V
- 115VAC 10A
- 115VAC 10A
- 48 VDC 10A
- 24 VDC 10A
- 12 VDC 10A
- Tooling interface max power 115VAC 20A

# Omega Subsea

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5058 Bergen

### **Stavanger**

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4033 Stavanger

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