

Offshore Pressurised Modules



Swire Modular Systems units are designed to optimize workspace efficiency, to meet environmental and acoustic requirements.

They all house our customer's specialist equipment in complete safety.

State-of-the-art safety monitoring systems are incorporated, including an integrated fire and gas, pressurization and emergency shutdown system, suitable for Zone 2 locations. Our technicians can integrate data communication networks, fire suppression, air condition system and other systems to ensure rapid mobilization and easy hook-up.

Key Features

Directive and Standards:

- EN 12079 Offshore Containers and Associated Lifting Sets
- DNV 2.7-1 Offshore Containers
- 2014/34/EU ATEX Directive
- EN 50381 Transportable ventilated rooms with or without an internal source of release
- IMO SOLAS II-2 Regulation 9 Class A-60 Fire Rating
- Z-015 Norsok Standard, Temporary Equipment
 - Type B: Office, coffee bar, lab, ROV, well services etc.

Includes:

- Fire detection, gas detection, rig signals, public address systems, normal/emergency power supply

Optional:

- DNV 2.7-2, IECEx, Zone 1 certificate, air condition, interior (chairs/desks/shelves etc.), UPS, other on request

All our operational, support and design activity are built according to ISO 9001:2015.

As you would expect, all the appropriate units come complete with lifting sets, certified to meet EN 12079/DNV 2.7-1.

Offshore Pressurised Modules

Main Transformer:

- 14kVA (size can be customized)

Main Power Supply:

- 3 phase 380VAC – 21,3A Max fuse 63A
- 3 phase 400VAC – 20,2A Max fuse 63A
- 3 phase 420VAC – 19,2A Max fuse 63A
- 3 phase 440VAC – 18,4A Max fuse 63A
- 3 phase 480VAC – 16,8A Max fuse 63A
- 3 phase 660VAC – 12,2A Max fuse 63A
- 3 phase 690VAC – 11,7A Max fuse 63A

Normal/Emergency Power Supply:

- 2x220-240VAC – 16A

Frequency:

- 50/60Hz

Distribution System:

- TN-S

Short Circuit Capacity:

- Max 10kA for 230V
- Max 20kA for 380-690V

Power Distribution:

- 3x208/120VAC (optional)
- 3x380-400/230VAC – 25A
- 3x400-440VAC – 20A

Rig Signals

(potential free contacts N/O and N/C):

- Gas
- Fire
- Common fault
- Loss of pressure (L.O.P)
- Manual alarm

Fire Detection:

- 2 x Smoke detectors (technical room and cabin)
- 1 x Manual call point (cabin)

Gas Detection:

- 1 x Gas detector (inside fan housing)
- 1 x Gas detector (cabin)

Public Address System:

- 1 x PA-A (transformer 100V line)
- 1 x PA-B (transformer 100V line)

Telephone:

- 1 x EX-telephone (analogue)
- 3 x Non-EX telephones (optional)

Data:

- 1 x Media switch (optional)
- Fiber input: 1x100FX(SC) (optional)
- Ethernet output: 4x10/100Mbit (optional)
- WiFi (optional)

Fire Extinguisher:

- 1 x 12 kg Powder fire extinguisher

Light:

- 500 lux at workstations

Noise:

- 50 dB
- 55 dB with AC running (optional)

Air Volume Changes per hour:

- ≥ 10

Ambient Temperature (Ta):

- -20 to +40°C

Offshore Pressurised Modules

Dimensions and Weights

Container Type	Length	Width	Height	Tare	Payload	MGW
Pressurised 12 ft	3,658mm	2,438mm	3,000mm	6,723kg	5,277kg	12,000kg
Pressurised 14 ft	4,267mm	2,438mm	3,000mm	7,400kg	4,600kg	12,000kg
Pressurised 16 ft	4,880mm	2,438mm	3,000mm	7,928kg	4,072kg	12,000kg
Pressurised 20 ft	6,058mm	2,438mm	3,000mm	8,768kg	3,232kg	12,000kg

Please contact a member of our team to find out more about the availability of this product in your region:

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