

# COMPANY PROFILE



We are committed to maintain  
excellent reputation to our customer  
and to provide best services to all  
our prospect

## COMPANY INFORMATION

**COMPANY NAME** : IRIS SYNERGY SDN BHD

**COMPANY REGISTRATION** : 742199-P

**TYPE OF COMPANY** : PRIVATE LIMITED

**DATE OF INCORPORATION** : JULY 26, 2006

### SHAREHOLDERS

- 1) STELLA HOLDING BERHAD
- 2) MOHD AZALI ABDUL RAHMAN

### DIRECTORS

- 1) MOHD AZALI ABDUL RAHMAN
- 2) DATO' MOHAMAD HASLAH BIN MOHAMAD AMIN
- 3) NG JUN LIP

**PETRONAS REGISTRATION NO.** : L- 742199-P

**MOF REGISTRATION NO.** : 357-02096071

### COMPANY'S BANK ACCOUNTS & ADDRESS :

MALAYAN BANKING BERHAD,  
JALAN TUN RAZAK BRANCH ,  
GROUND & MEZZANINE FLOOR BANGUNAN UTMSPACE 195A,  
JALAN TUN RAZAK, 50450 KUALA LUMPUR  
TEL.: +603-2161 2106

### CAPITAL

- 1) AUTHORIZED CAPITAL : RM 5,000,000.00
- 2) PAID-UP CAPITAL : RM 3,000,000.00

## COMPANY ADDRESS

### **IRIS SYNERGY SDN BHD**

A-13A, PUSAT KOMERSIAL ARENA BINTANG,  
JALAN ZUHAL U5/178, SEKSYEN U5,  
40150 SHAH ALAM,  
SELANGOR, MALAYSIA.  
TEL. : (603) 2779 4003  
FAX : (603) 7832 5356

EMAIL: [admin@iris-synergy.com](mailto:admin@iris-synergy.com) / [sales@iris-synergy.com](mailto:sales@iris-synergy.com)

WEB: [www.iris-synergy.com](http://www.iris-synergy.com)

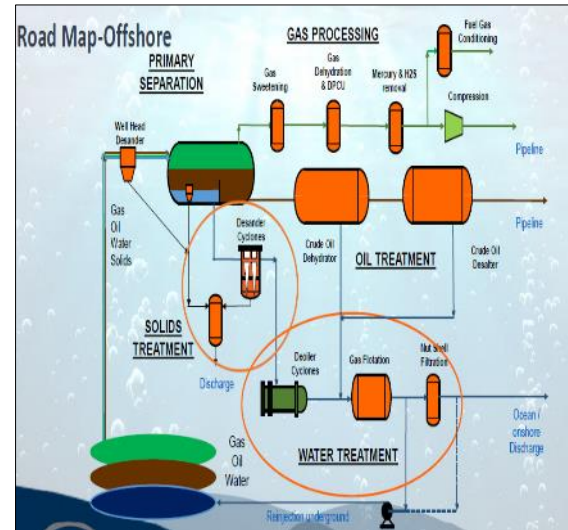


## PRODUCT IN SUMMARY



**Produced Water Solutions (PWS)** has been in business for just over five years. The water solutions business was formed to *Provide a High Level of Technology and Experience at Reasonable Rates*. **PWS** has (and is) doing business with over 40 companies such as Chevron, Fieldwood Energy, Petrobras, Apache, Stone Energy, Energy Partners Limited, M&H, Ankor, W&T, Petrobras, VME, Talos, etc.

With our combined experience in over 28 countries, we are uniquely aware of the nuances of produced water from country to country. This experience combined with our technical understanding of water treating equipment makes us a great partner that will add value and peace of mind to your water treating needs.



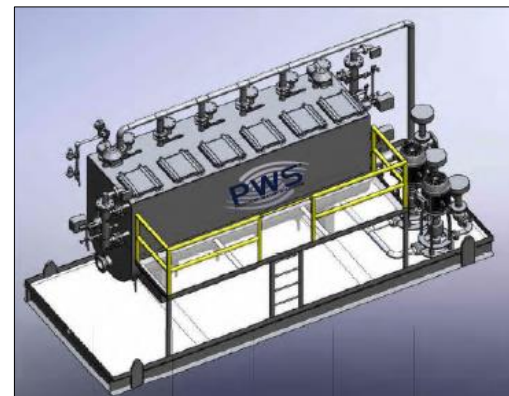
We offers several Produced Water and Filtration products such as Primary Oil/Water Separation, Secondary Oil/Water Separation, Tertiary Oil/Water Separation, Engineering/ Consulting, Field Repair Services, Treatability Studies, Field Surveys, as well as provide parts for all Manufactures Equipment.

### List of technology includes;

- HF-Sep
- VF-Sep
- Dissolved Gas Flotation
- Hydrocyclones – Both Solid/Solid and Liquid/Liquid in 150# and 300# design.
- Skimmers – With single pack design and multiple pack design.
- Static Plate Separators – Atmospheric and ASME designs from one to three pack plate designs
- Flotation – Available in atmospheric,
- ASME, re-conditioned, and refurbish
- Walnut Shell Filters
- Cartridge Filters – Available in cartridge, canister, and bulk media.
- Solids Filters – Available in cartridge and sock form
- De-Aeration Towers – Includes vacuum pumps, Course Filtration, and fine filtration
- Sumps

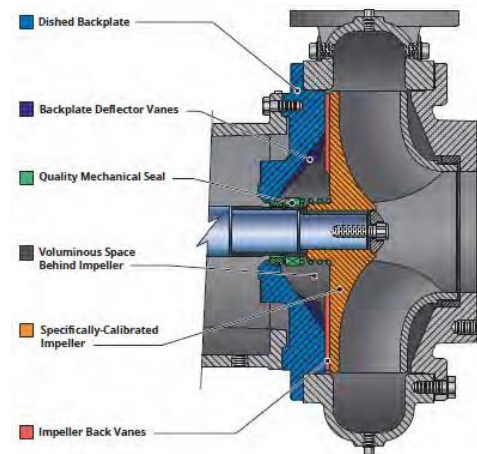
### HF-Sep

- Multi-cell vessel for maximum oil removal efficiency
- Independent water and oil controls systems
- Independent oil and water safety system
- Dedicated corrosion protection per compartment
- Flexible design parameters to meet foot print requirements
- Designed to both Atmospheric and ASME designs
- Capable of flows from 1000 BPD to 175K BPD
- Designed to treat oil content down to below 20 PPM
- The most bubble contact area of any design on the market



### Dissolved Gas Flotation (DGF)

- Proven Technology
- Adjustable Bubble Diameter
- Efficient
- 10% Reduction in Chemical Cost, Smaller Footprint
- 20% to 40% reduction in Recycle Rates
- Only two companies globally that can sell this technology, PWS and Siemens
- Over 1500 applications globally
- Technology is applicable in every market that requires water treatment, including food service
- Robust pump that is designed for extreme applications.



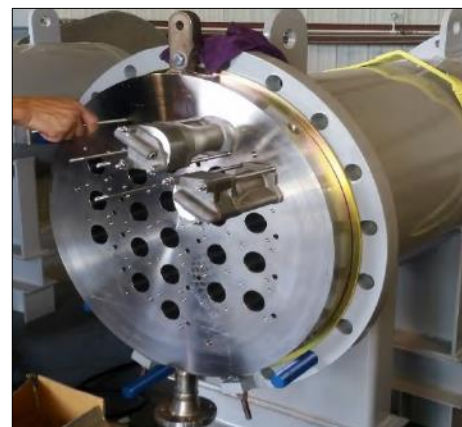
### VF-Sep

- Vertical Design equates to smaller footprint
- Reduced Oil Content from 250 ppm down to <29 ppm
- Hydraulically concentrates oil to center of vessel for easy removal
- Optional additions include coalescing media, inline vortex generator, paddle system and sand jetting.
- Easily engineered for high “pitch and role” applications
- Standard packages include complete control systems for both oil and water plus independent safety control capability.
- Capable of flows from 1000 BPD to 150K BPD
- Also available in new and reconditioned.



### Hydrocyclones (Liquid/Liquid)

- Most aggressive design standards of any competitors
- 20% less expensive than any competitor
- Five different bubble making technologies available
- 10% reduction in chemical need
- Up to 50% reduction in footprint



### Skimmers

- Most aggressive design standards of any competitors
- 10% less expensive than any competitor
- Flexible retention designs
- Options available that will increase efficiency up to 30%
- Can be standard design or designed to specifications
- 6 to 10 minutes retention time
- Operating levels vary from 50% to 80%, operator controlled
- ASME Certified or Atmospheric design
- Available in new or reconditioned
- Polypropylene or SST pack material
- Class 1, Div. 1 Design



### Sumps

- PWS can supply reconditioned equipment
- 10 % less expensive than any competitor
- 2 to 3 weeks quicker delivery than our competitor
- Atmospheric
- Open and Close Drain Available
- Optional additions include coalescing media, external water legs, submersed design, pressurized or atmospheric design
- Standard packages include complete control systems for both oil and water plus independent safety control capability.
- Also available in new and reconditioned
- Class 1, Div. 1 Design

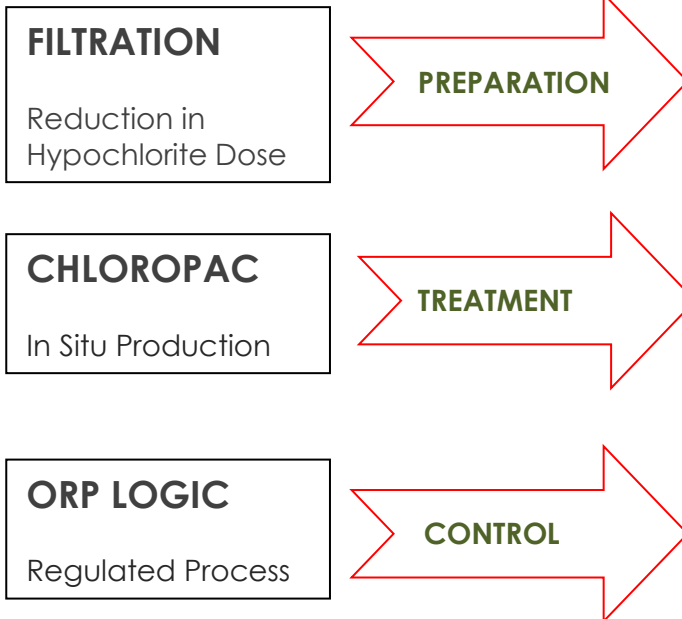


### Walnut Shell Filters

- Built to Class 1, Div. 1 standards
- Oil polishing unit
- Designed to treat water to below 5 ppm
- Requires little to no chemicals
- Applicable in the Offshore market, reuse market, and land based produced water treatment applications
- Low operational expense
- No media replacement
- Back Washable
- Removes solids





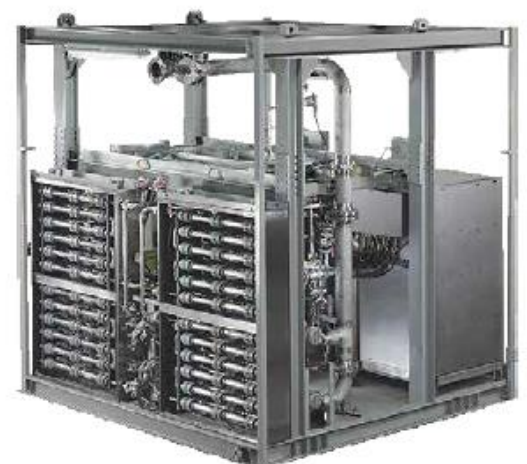
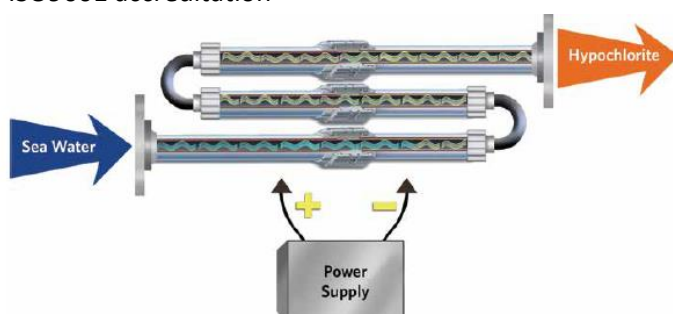


## SAFETY

- Proven Technology and Supplier to the Marine Industry : Excellent Safety Record
- On-demand in-situ production of biocide from seawater
- Hydrogen by-product safety removed prior to injection into the Ballast Water

## 1) CHLOROPAC® MARINE GROWTH PREVENTION SYSTEM HYPOCHLORITE GENERATOR PACKAGE - ELCAT

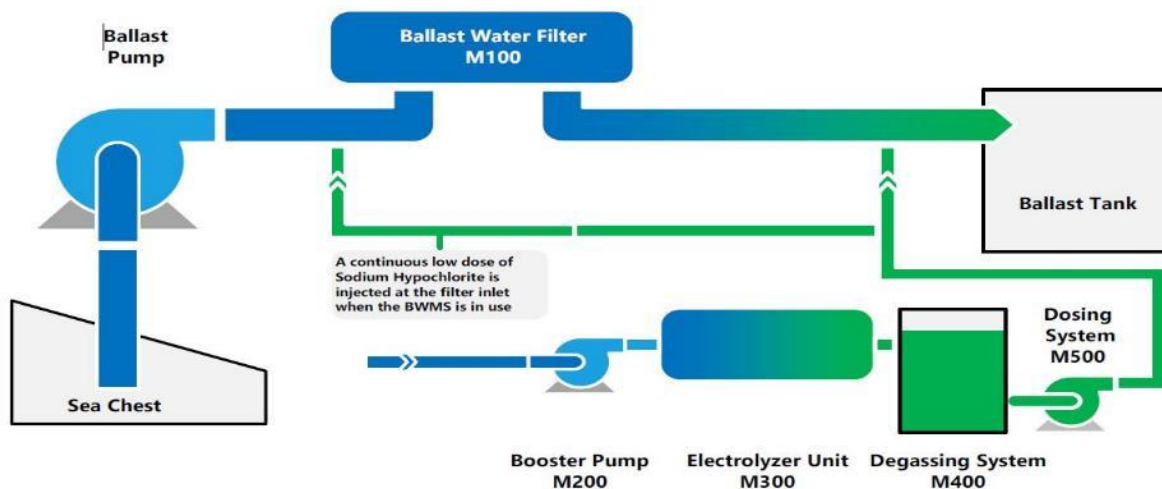
- Chloropac® systems produce, insitu, a dilute, safe solution of sodium hypochlorite for direct injection into the water circuit for marine growth prevention.
- Evoqua advanced electrolyzer technology, available in a choice of basic cell designs — coupled with Evoqua long standing expertise in anode and system development — has freed thousands of customers worldwide from the cost of purchasing and the danger of handling harsh chemicals associated with other technologies.
- Chloropac utilises CTE technology to provide the most efficient chlorine generation.
- More than 2,500 Chloropac® system intalled worldwide.
- ISO9001 accreditation



## 2) SeaCURE System

### BALLAST WATER Management System

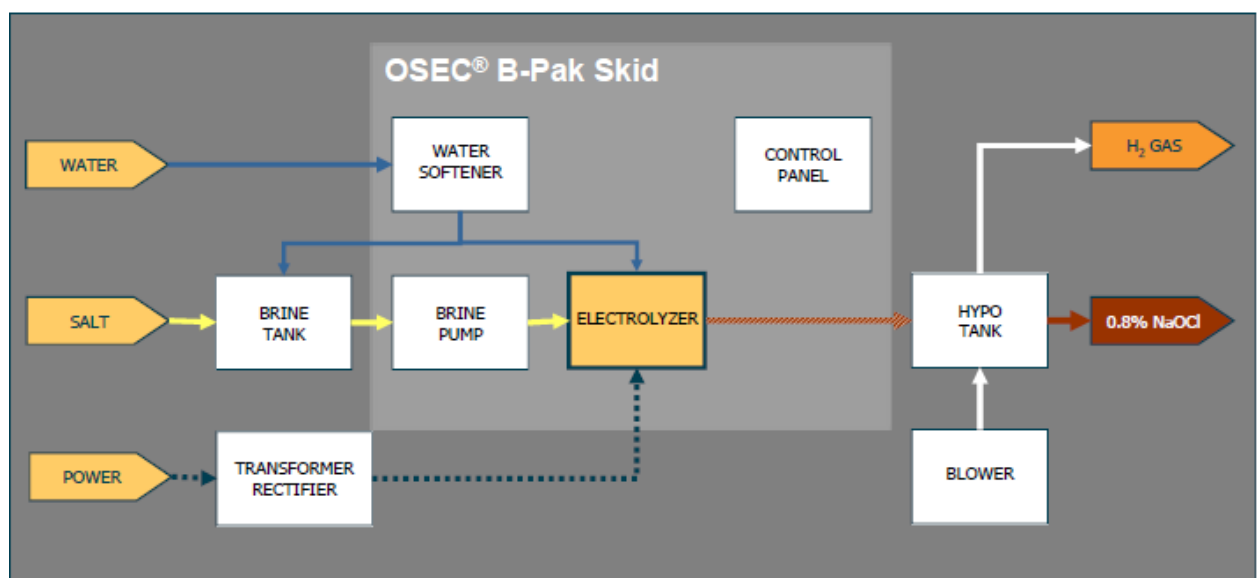
- Ballast water treatment system to safely and reliably comply with IMO and USCG regulations.
- The SeaCURE® Ballast Water Management System uses a combination of filtration followed by in-situ production of biocide from seawater via electrochlorination.
- The SeaCURE system has evolved from the Chloropac® marine growth prevention system(MGPS) that has been servicing needs of the maritime and off-shore Oil & Gas industries for over 40 years.
- The system uses about 1% of the ballast water flow to generate sodium hypochlorite for the treatment of ballast water.
- The SeaCURE system process;



## 3) WALLACE AND TIERNAN OSEC® HYPOCHLORITE GENERATION SYSTEMS

### On-Site Hypochlorite Generation Systems

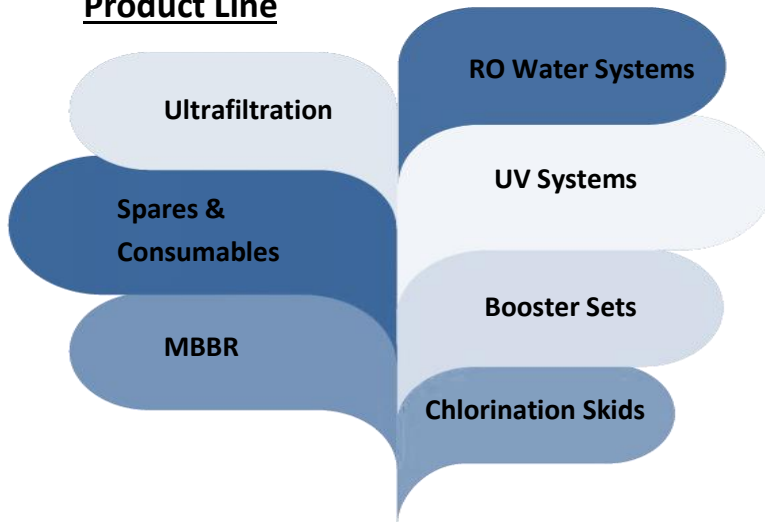
- The systems produce sodium hypochlorite onsite and on demand, at a cost that is significantly lower than purchased hypochlorite.
- The OSEC® On-site Chlorination System product line is designed to accommodate applications ranging from potable water disinfection and leisure to marine and off-shore.





Advanced Watertek is an industry leader in the production and supply of Reverse Osmosis Water Treatment Systems. For over 30 years we have been helping businesses and communities worldwide by providing safe and effective water treatment solutions.

### **Product Line**



### **Experts in the Field**

1. High quality components from leading manufacturers (Steel from Finland, Filtration Sand from Netherlands)
2. Reliability and Trust - 80% repeat business
3. Extensive list of satisfied clients
4. Long-term relationships – some clients for over 25 years
5. ABS and Lloyd's accredited
6. Regional production and after sales office
7. Over 800 installations across over 50 countries
8. Ex-stock availability of Spares, Components & Chemicals

### **R.O. Systems**

Sea Water Services

- Sea and Brackish Water
- 5 m3/Day to 5000 m3/Day
- Containerized, Skid Mounted and Customized Solutions
- Components, Consumables and Spare Parts
- Refurbishment and maintenance
- Annual maintenance contract





## Product Overview

Skid Mounted



Containerised

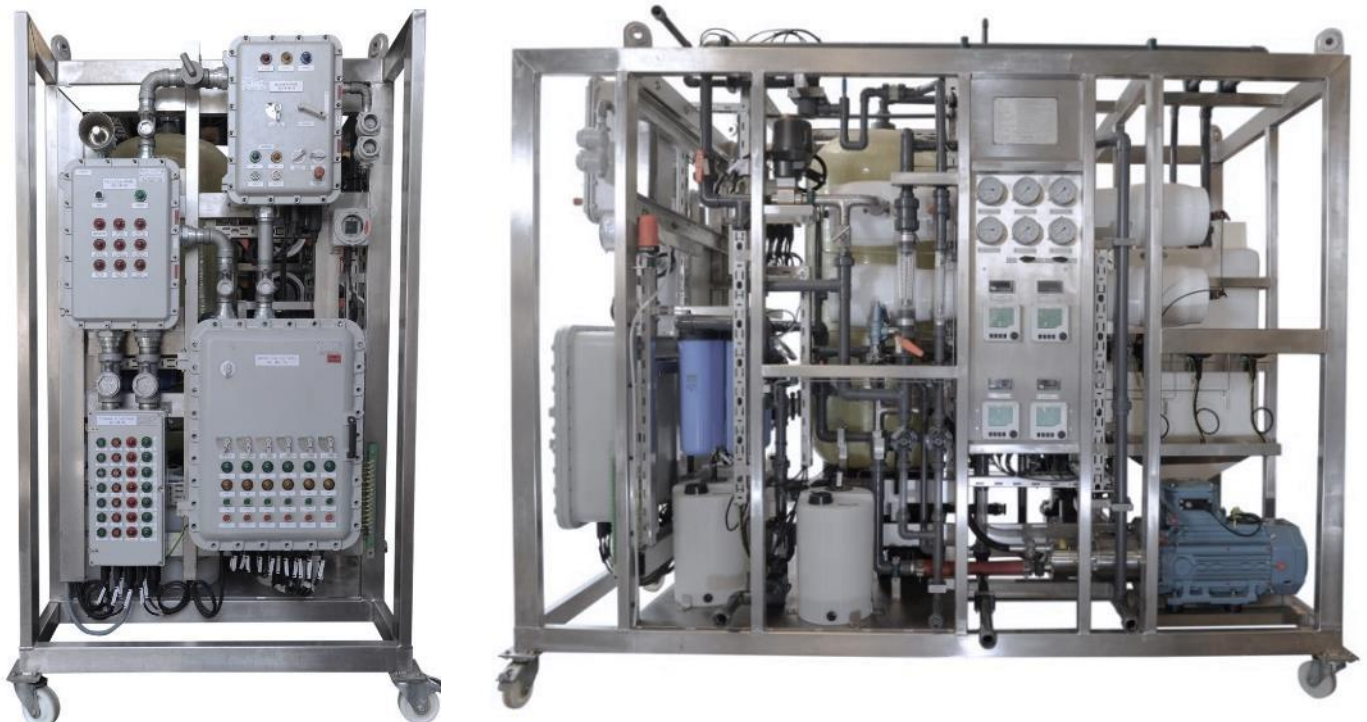


## Skid Mounted

### Zone 2 Sea Water R.O. System

Zone 2 Sea Water R.O. System Capacity- 25 CMD

Supplied for a drilling rig





MGS OFFSHORE has established a closer partnership with THERMO KING, which eventually leading to tremendous improvements in our ICE STORM refrigerated containers, a innovation that provide the latest technology to our customers in the Oil & Gas industry, which covers Chemical , catering , drilling and leasing companies.

With this extraordinary collaboration, we are offering our customer the best elements of two expert brands in harmony. Through this opportunity, we developed the world's most durable and energy-efficient integrated reefer container. It combines the refrigerated ICE STORM™ and THERMO KING™ refrigeration machine, with featuring innovative technology of BEST INSULATION material MGS PU from TOP NOTCH SCIENTIST.



ICESTORM employs technology not used elsewhere. By virtue of its microprocessor controller, which integrates solid state electronics and enormous processing power, it can far more accurately ride the "sweet spot" of the ideal refrigeration cycle.

Furthermore, with collaboration with TOP NOTCH SCIENTIST, we invented our own insulation material that contributed to the improvement of insulated air freight containers with dry ice as a refrigerating source by means of model calculations and climate chamber tests. On top of that, MGS has established a closer partnership with THERMO KING, which eventually leading to tremendous improvements in our reefer container technology. As a result, you will deliver the most advanced



#### KEY FEATURES

- Temperature setting ranging from -30c to +20c with humidity controller to meet required conditions
- ICE STORM designed so cargo reaches optimum temperature and set point as quickly as possible.
- Even air: better uniformity so cargo in reefer container are at same tempature.
- Temperature Distribution: Quicker recovery so after door opening and returns back to set temperature.
- Strong welding on M.G.S.S containers supports offshore heavy duty applications.
- High internal volume capacity provides maximum space for cargo 12.2cu.m
- Hygienic, an easy-to-clean-interior made of sanitized aluminum or stainless steel material
- Low tare weight maximizes payload lowest in Offshore Reefer market

| EXTERNAL DIMENSION                 |                        |
|------------------------------------|------------------------|
| LENGTH                             | 2,991 mm               |
| WIDTH                              | 2,438 mm               |
| HEIGHT                             | 2,591 mm               |
| INTERNAL DIMENSION                 |                        |
| LENGTH (FOR THERMO KING REF. UNIT) | 2,342 mm               |
| WIDTH                              | 2,290 mm               |
| HEIGHT                             | 2,274 mm               |
| CARGO ACCESS HEIGHT                | 2,175 mm               |
| WEIGHT                             |                        |
| MAX. GROSS WEIGHT                  | 10,000 kg / 22,046 lb  |
| TARE WEIGHT (EXCLUDING REF. UNIT)  | 2,400 kg±2% / 5,290 lb |
| TARE WEIGHT (INCLUDING REF. UNIT)  | 2,800 kg±2% / 6,173 lb |

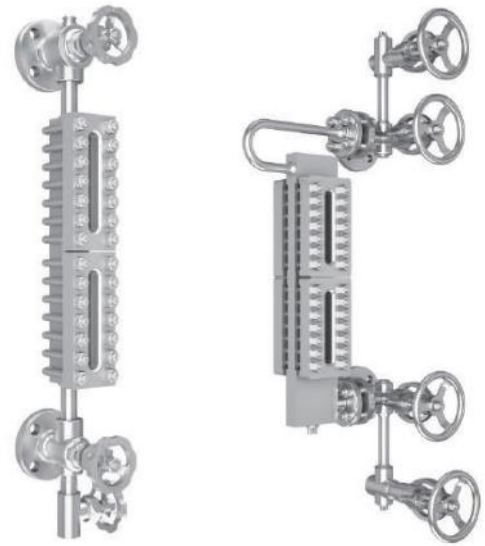
| DOOR OPENING (NOMINAL)          |           |
|---------------------------------|-----------|
| WIDTH                           | 2,298 mm  |
| HEIGHT                          | 2,258 mm  |
| FORKLIFT POCKET                 |           |
| WIDTH                           | 360 mm    |
| HEIGHT                          | 95 mm     |
| CENTER DISTANCE                 | 1,150 mm  |
| INSIDE CUBIC CAPACITY (NOMINAL) |           |
| 12.2 m <sup>3</sup>             | 431 cu.ft |



## Nihon Klingage Co . Ltd

### Level Instrument

- Direct reading liquid level gauge
- Direct reading liquid level gauge
- Magnetic level indicator
- Sight glass Klinport ®
- Klearport® glass
- Displacement type level gauge
- Differential pressure level gauge



## K ONE STEEL Co., LTD

In summary our **PRODUCT RANGE** comprises:-

- **Pipes :**

Duplex / Super Duplex, Nickel Alloys, Copper Nickel, Chrome, Low Temp, Stainless Steel, Carbon Steel

- **Fittings :**

Duplex / Super Duplex, Nickel Alloys, Copper Nickel, Chrome, Low Temp, Stainless Steel, Carbon Steel

- **Flanges :**

Duplex / Super Duplex, Nickel Alloys, Copper Nickel, Chrome, Low Temp, Stainless Steel, Carbon Steel

- **Others :**

Plates, Roundbars, Tubes , Valves, Studbolts & Nuts, Pipe Bend

