

## RESPIRATORY PRODUCTS

### > SELF CONTAINED BREATHING APPARATUS

- 30/45/60 Minutes duration
- Carbon/Aluminum/Steel cylinders
- Industrial & Fire fighting type
- Provide Superior IDLH level respiratory protection
- Optional: External Air Supply and Communication system
- Approval: Industrial Sets-NIOSH/CE approved, Fire Fighting sets NFPA approved



### > SUPPLIED AIR BREATHING APPARATUS

- Combination Escape and supplied Air Respirator
- 5/10/15 Minutes duration
- Industrial type
- Provide Superior IDLH level respiratory protection
- NIOSH/EN/MED approved



### > MOBILE AIR CART/ AIR SUPPLY TROLLEY

- Designed to provide portable clean air in restricted access area
- 2/4 Cylinder type, Can be used by up to 4 people at a time
- 120/240 Minutes duration
- Carbon/Aluminum/ Steel cylinders
- NIOSH/EN approved



### > EMERGENCY ESCAPE BREATHING APPARATUS

- Designed for rapid escape from hazardous industrial and marine environment
- Comes with constant flow and positive pressure demand system.
- Comes with Anti Static carry bag as an option
- 5/10/15 Minutes duration
- Hood type & Face mask type
- NIOSH/EN/CE/MED approved



### > ESCAPE MASK

- Protection against organic, inorganic & acid gases
- Scope of Supply: Hood, Visor, half mask, combined filter and exhalation valve
- 15 minutes Fire Escape Hoods
- Protection against smoke and fume
- 5 min. single use escape from hazardous area and confined spaces
- EN approved



### > FILTER MASKS

- Protection against particulates, gases and vapours
- Soft, non-allergenic elastomeric
- facepiece Extremely lightweight, only 400g
- Full Face lens with broad field of vision and scratch resistant
- Well balanced four strap head suspension



## BREATHING AIR COMPRESSOR

### > MARINER 320-E

- Stages: 4, Phase:3
- Capacity:320 L/M, 11.3 CFM
- 220 and 330 Bar
- Standard package Weight:Apprx 340 Lbs, Dimension: 115 x 63.5 x 71.5 CM
- Maintenance kit available in 500,1000, 2000 hours options
- Auto condensate drain devise is Optional
- Choice of both 50 and 60 Hz, Electric/ diesel/gasoline driven



### > JUNIOR II

- Best suits for filling individual SCBA'S
- Light weight, portable with Air purification
- 5 Foot fill hose assembly with SCUBA yoke
- SCFM range: 2.9 to 4.3
- FAD: 3.2, Stages: 3
- Available in both single and 3 phase
- Apprx. Weight:111 Lbs
- Dimension: 42 x 19 x 23 Inches



## > CASCADE RACK

- Designed and built as per Client's requirement
- Supplied with 1, 2, 4, 6 cylinder racks
- Comes with Tube/pigtail fittings
- 3330/5000 PSI Cylinders
- Load/MPI test will be optional



## > BREATHING AIR MANIFOLD/HOSE

- Purpose: Distribution of the air in desire location
- Type: 3, 5, 12 man type
- Supplied with: Pressure gauge, socket, plug etc
- 1/4" ID x 3000 PSI Working pressure
- Supplied with: Socket, Plug, Dust cap etc



## GAS DETECTION EQUIPMENTS AND ACCESSORIES

### FIXED GAS DETECTION

## > CONTROLLER

- Weather proof enclosure, NEMA 4X, 6/8/12 Channel wall mount
- Rain tight, suitable for outdoor location
- Powered by VAC line and/or 24 VDC
- Operating Temp: 40 Deg F to +175 Deg F
- Minimum downtime



## > SENSOR ASSEMBLY

- Major Gases to be detected: H<sub>2</sub>S/%LEL/SO<sub>2</sub>/
- CSA-US approved for Class I, Division 1, Groups B, C, & D
- LED display and LED indicators for FAULT and CAL status
- Plug-in field-replaceable transmitter
- Long sensor life expectancy



## > CONTROLLER CARD

- Range: 0-100 ppm/% standard
- Accuracy/Repeatability: ± 2% F.S.
- Operating Temperature Range: 40°C to +80°C; -40°F to +175°F
- Input Voltage: 24 VDC standard
- Power Consumption: <3 watts: <5 watts (full alarm)
- Outputs: Analog 4-20 mA DC



## > ALARM (AUDIBLE/VISUAL)

- Hazardous duty with Class 1, Division 2 multitone
- Noise Level 98 dbA,
- UL Listed
- Strobe colors: Red, Amber, Green, Blue, Magenta, Clear



## > WIRE LESS/STAND ALONE GAS DETECTION SYSTEM

- Transportable, Lightweight, Rugged
- Controller having 32 channel capacity
- Class I, Div. 1, Groups B, C, & D sensors
- Up to 6 hours continuous operation in full alarm, 6 months operation when no alarm
- Network capacity up to 32 devices
- Line, battery, solar and solar/battery power option
- Environmentally bullet proof sensors for detecting Toxic and Combustible gases



## PORTABLE GAS DETECTORS

### > SINGLE GAS DETECTOR, 24/36 MONTHS DISPOSABLE TYPE

- Gases can be detected: H<sub>2</sub>S/CO/SO<sub>2</sub>/O<sub>2</sub>
- 100% maintenance free
- Visual, Audible and vibrating alarm
- Compact and light Weight
- 2 or 3 Years continues maintenance free operations
- Class 1, Div 1, Gr. A B C D, ABS, ATEX



### > SINGLE GAS DETECTOR-CALIBRATION TYPE

- Gases can be detected: H<sub>2</sub>S/CO/O<sub>2</sub>/SO<sub>2</sub>/NH<sub>3</sub>/PH<sub>3</sub>/CL<sub>2</sub>/CLO<sub>2</sub>/NO/NO<sub>2</sub>/HCN/ETO/O<sub>3</sub>
- Water Resistant – IP66/67
- Intrinsically safe by UL, ATEX certified,
- Small size and light weight: 82 Grams
- Data logging



## > MULTI GAS DETECTOR-WITHOUT PUMP

- H<sub>2</sub>S/CO/%LEL & O<sub>2</sub> SENSORS
- Rechargeable battery
- 10 hours battery life / Charger
- One button operation
- Powered by lithium polymer battery
- 2 year warranty including all sensors
- IP 66/67, ATEX, IEC Ex, CE, ABS



## > MULTIGAS DETECTOR-WITH PUMP

- H<sub>2</sub>S/CO/%LEL & O<sub>2</sub> Sensors
- Rechargeable battery / Charger & Sampling pump with 3 meter hose
- One button operation
- Powered by lithium polymer battery
- 2 year warranty including all sensors
- IP 66/67, ATEX, IEC Ex, CE, ABS



## > GAS DETECTOR CALIBRATION CYLINDERS WITH REGULATORS

- Supplied with Both Aluminium and Steel cylinders suits both reactive and non reactive gases
- Service Pressure: 500/ 1000 PSI
- Gas mixture as per clients requirement
- Cylinder capacity: 12, 34, 60, 103, 112 Litres
- 0.5 LPM single stage regulator designed to suit all above cylinders



## > GAS DETECTION-TUBE SYSTEM

- Light, 300 gram pump with 50ml sample volume, Confirming to EN1231
- Air quality kit is used to measure the impurities in compressed breathing air such as SCBA, Outlet of an air compressor
- Substances to be measured by Test Kit: CO, CO<sub>2</sub>, O<sub>2</sub>, Oil Mist and Water Vapour
- Tube: 10 tubes/box, 10 seconds sampling time, 1-2 year shelf life



## FIRE FIGHTING EQUIPMENTS

### > PORTABLE FIRE EXTINGUISHERS

- Extinguishing agent: DCP, CO<sub>2</sub>, Water, Foam, Wet Chemical
- Operation type: Stored Pressure, Cartridge operated type, CO<sub>2</sub> self expelling
- Suitable for use on Class A, B and C fires
- Nominal capacity: 2.5/5/10/20/30 Lbs capacity
- Available with hanger hook,
- Bracket will be optional
- UL Listed, USCG approved, meets DOT requirement/MED, Wheelmark Approved



### > WHEELED FIRE EXTINGUISHERS

- Extinguishing agent: DCP, CO<sub>2</sub>, Water, Foam, Wet Chemical
- Easily operated by 1 person due to higher mobility
- Operation type: Stored Pressure,
- Pressure regulated
- Suitable for use on Class A, B and C fires
- Nominal capacity: 50/125/145/150 Lbs
- UL Listed & USCG approved



### > FIRE EXTINGUISHER RECHARGE AGENTS

- Dry Chemical Powder
- Types: ABC, Regular, Purple K, Foam
- 50 Lbs Pail



### > FIRE EXTINGUISHER COVER

- Portable Fire Extinguisher Covers
- Wheeled Fire Extinguisher Covers
- 50/150Lbs DCP & 50/100 Lbs CO<sub>2</sub>
- Window: Optional



### > FIRE EXTINGUISHER CABINETS

- Capacity: 6/9/12KGS
- Lloyds Register Type Test Approved
- IP Rating: IP56
- Colour: Red
- Material: 3-4mm nominal thickness GRP
- Door catch: Stainless steel & nylon jaw action



### > FIRE FIGHTING GEAR

- Weight: 237g/m<sup>3</sup>
- Athletic design
- Sizes available: XS, S, M, L, 1X, 2X, 3X
- Sizes can be as per customer requirement
- Nomex Kevlar fabric
- NFPA approved





## > FIRE AXE

- Type  
Pick head/Flat Head
- Fibre glass and Wood handle type



## > FIRE HELMET

- Thermo plastic helmet
- NFPA 1971-2007 certified
- Special Thermoglas outer shell
- Full inner liner system
- 4" optically correct faceshield or ESS goggles
- Nomex® ear cover
- Sure-Lock® ratchet headband with comfort brow pad
- Stainless steel D-ring



## > FIRE FIGHTERS EQUIPMENT CABINET

- Uniquely Lloyds Register
- Type Test Approved
- IP56 rated for excellent weather protection
- Height x width x depth in mm :  
1302 x 785 x 489
- Colour: Red RAL3000
- Material: 3-4mm nominal thickness GRP
- Hinges: 316 Stainless Steel hinges



## > FIRE BLANKET

### WATER GELTYPE

- 100% worsted wool capable of absorbing 13 times its own weight
- Suitable for high flame, arc flash, hot liquid and steam
- Packed in canister which helps in quick removal and faster response
- Sizes: 3' x 2.5', 6' x 5', 8' x 6'
- Shelf life: 5 years from manufacturing date



## > WOVEN GLASS TYPE

- Red color
- Material: Woven glass fibre
- Fire blanket in red color hard PVC box
- Available sizes: 4' x 4', 4' x 6', 6' x 6'
- Tested and certified to EN 1869:1997



## > GROUND FIRE MONITORS

- Handle Operated Monitor
- Cast Brass Construction, Chrome plated trim
- Dual hand wheel control features rotating base
- Max 1100 GPM Capacity
- FM Approved, CE



## > NOZZLES

- Coast Guard Nozzle
- Industrial Turbo Jet Nozzles
- Brass Construction
- Comes with Pistol grip
- Flow setting @ 100 PSI
- FM Approved



## > FIRE HOSE

- 100 % high tenacity polyester yarn, light and flexible
- Seawater-resistant, weather-resistant, and ozone resistant
- Temperature range from:  
-40°C to +100°C
- Maximum lengths up to 500 m
- Approval: DIN 14811 : 2008,
- Germanischer Lloyd, M.E.D, BS 6391



## > SMOKE DETECTOR

- 9V battery included
- Comes with Test Button & Low battery indicator
- Easy installation
- Ionization sensor Technology for detection
- Temp range: 4.4 Degree C to 37.8 Degree C
- Compliance with UL (Underwriters laboratory)



## > SMOKE DETECTOR TESTER

- Useful on both photoelectric and ionization smoke detectors
- To ensure that the circuitry, alarm and power is functioning
- Approved for testing smoke detector function as per NFPA 72 par. 8-2.4.1



## > FIRE BOOT

- Water, flame, chemical, and cut resistant
- Fire-resistant Kevlar thread throughout the upper ensures durability under fire
- Molded heel provides support
- Anatomically-shaped steel safety toe
- Tapered microfiber heel slide for ease of donning and doffing



## > FIRE RESCUE CRASH KIT STANDARD SCOPE OF SUPPLY

- Hood release tool
- Quik-Kut glass removal tool
- Pyroshield rescue blanket
- Glass Hammer
- MV plug pattie
- Pro hacksaw
- Battery cable cutter
- Spring window punch
- Valvestem tool
- 91/2" griplock
- MX 4-in-1 screwdriver
- 8" adjustable wrench



## EMERGENCY EYE WASH & SHOWER EQUIPMENTS

### > GRAVITY OPERATED/ SELF CONTAINED TYPE

- 6/15 Minutes Gravity Fed Emergency Eye Wash Station
- Supplied with 70/180 Oz Saline concentrate
- Best suit for nuisance situation such as dust
- 15 min. compliance with ANSI Z358.1-2004



### > WALL MOUNTED TYPE

- Wall Mounted Eye Wash Station
- 16/32oz Single/Double bottle
- Over high visibility
- Mounts to wall with provided screws



### > SPARE BOTTLES

- Eye-saline Bottles 16oz & 32oz
- Saline solution is sterile superior to tap water
- FDA grade polyethylene bottles
- User Controlled volume delivery



### > COMBINATION OF EMERGENCY SHOWER AND EYE/FACE WASH

- Corrosion resistant combination shower and eye/face wash
- Plastic drench showerhead with flow control
- Stainless steel push flag for eyewash & shower activation
- 1-1/4" Schedule 40 hot-dipped galvanized steel piping with green corrosion resistant epoxy coating
- Certified by CSA to meet the ANSI Z358.1 Standard



## FALL PROTECTION EQUIPMENTS

### > SRL- SELF RETRACTING LIFE LINE

- 20 Ft. Of Spectra Synthetic Rope,
- Thermoplastic Housing, Swivel Hook
- Capacity:34 to 141 Kg
- Arresting Force:6 kN,Descent Speed:1 M/S,
- Meets CE EN



### > FULL BODY HARNESS

- ExoFit NEX full body Harness
- Aluminum D Rings
- Duo Lok quick connect buckle
- Hybrid comfort padding



### > DESCENT SYSTEM

- Fully automatic descent or sloped applications
- Emergency rescue and evacuation from a wide variety of elevated work areas
- Manual retraction allows multiple evacuations 200 ft. (61 m) 3/16" (5 mm) galvanized cable lifeline
- High speed descent includes suspension bars and braking trolley
- Use repeatedly without factory service



### > LANYARD AND MANYARD

- Elasticated webbing lanyard, maximum user weight 130kg
- Compact shock pack design
- Revolutionary energy absorbing technology
- Fully protected identification labels
- Nylon reflector strips



### > DERRICK MAN HARNESS

- Users: Oil rig and gas workers on the monkey and tubing boards
- Special X design makes donning easy
- Soft edging to reduce injury
- Easy grip adjustment tabs and Double-box stitching
- Cushioned straps and Quick-lock buckles
- 18 in. extended dorsal D-ring and attachment points



### > HORIZONTAL LIFELINE SYSTEM

- Complete 60 ft. (18.3 m) system includes tensioner, energy absorber and anchors
- Lightweight 11/16" (17.5mm) static kernmantle rope lifeline
- Two 6 ft. (1.8m) tie-oV adaptor anchors included
- Built-in energy absorber limits fall arrest forces
- Integral rotary tensioner for easy set-up
- Flexible system capacity of 2 workers



## EMERGENCY RESCUE EQUIPMENTS

### > CONFINED SPACE RESCUE EQUIPMENT

- OSHA compliance
- Tripod Rescue/Retrieval System
- Blower
- Multi gas detector
- Harness
- Rescue stretcher with necessary accessories



### > HELIDECK CRASH RESCUE EQUIPMENT

#### SCOPE OF SUPPLY

Adjustable Wrench	1
Axe, rescue, aircraft type	1
Bolt cutters, 60cm	1
Crowbar, 105cm	1
Grab hook	1
Heavy Duty Hacksaw c/w 6 blades	1
Fire Resistant blanket	1
Ladder	1
15m x 5cm lifeline	1
Side Cutting Pliers	1
Set of assorted screwdrivers	1
Harness Knife & Sheath	1
Fire Resistant Gloves	Pairs 2
Power Cutting Tool	-
Containment Locker	1



### > FIRST AID KITS

- Type: Metal + Plastic wall mounted
- Pouch type hand carried
- Application:  
Workplace, Home, Vehicle
- Capacity: 25,50 person
- ANSI approved



### > AUTOMATED EXTERNAL DEFIBRILLATORS (AED)

- Professional Defibrillators-Fire and Emergency Medical Service
- Used for First response for cardiac arrest
- To avoid brain damage and death from Sudden cardiac arrest
- Portable, can be carried in vehicles



### > SPILL KITS

- Type: Oil, Chemical, Maintenance
- Contents: Absorbent pads, rolls, socks, pillows, booms, Sweeps, Granules
- Capacity: 15, 30, 90, 150, 250, 500 Litres
- Available in drums, bags, plastic containers



### > OXYGEN RESUSCITATORS

- Provides positive pressure to inflate the lungs of an unconscious person who is not breathing
- Type: pressurized O2 delivered by a regulator
- Able to deliver >85% oxygen when a gas source is available
- Content: One each Aluminium cylinder, regulator, demand valve, Adult Mask w/6' hose, hi-impact case



### > CHEMICAL SUIT

- Protection - Multi-layer barrier fabric effective against numerous chemicals
- Comfort - Lightweight yet durable
- Anti-static - Tested according to EN 1149-5
- Ultrasonically Welded Seams Provides a strong liquid and particle barrier



### > HAND HELD RADIO

- Two way Radio platform
- Customizable as per client requirement
- Atex approved for hazardous environment
- IP64 compliant for dust application
- MIL Spec 810F



### > PERSONAL LOCATION BEACON

- User can transmit unique ID to global network to identify his location
- Battery life-6 Years
- Size (D x W x L) = 1.42" x 1.97" x 4.40"
- Weight-5.8oz





## MARINE LIFE SAVING EQUIPMENTS

### > LIFE JACKET

- MED/SOLAS/US COAST GUARD
- approved Life jacket, Adult type
- Compact and easy to wear
- 50N Buoyancy aid
- Fitted with a 30MM detachable crutch strap
- Adjusted to fit most adults up to a 56" chest
- Comes with Reflective tape, stainless steel snap hooks.



### > LIFE JACKET LIGHT

- Automatic water activated
- Continuous operation up to 8 hours at least.
- Dimensions: 45mm x 31, 2 mm x 18,9 mm
- Weight: 23,5 gr.
- Approval: SOLAS 74, L.S.A. CODE, 96/98/EC



### > MANUALLY OPERATING AIR HORN TRUMPET

- Operates without the use of any cylinder.
- The sound is produced by the air.
- No need for batteries or electricity
- Hand held air horn is a compact and portable device
- Produces up to 110 decibels at a range of 1m



### > LIFE BUOY

- Filled with polyurethane foam.
- With retro-reflective tapes for easy visualization
- Outer Dia: 72 CM
- 2.5 and 4.3 kgs
- Approval: SOLAS 74



### > LIFE BUOY LIGHT

- Lifebuoy Light Solas 74
- Burn time: 2 hours
- Including light
- Delivered with out batteries



### > LIFE BUOY ROPE

- Floating line for Life Buoy
- Color: Orange
- Diameter: 8MM
- Length: 30 Meter



### > EMBARKATION LADDER

- Available from 1 meter up to diVerent length
- Wooden ladder steps are heat treated
- Approval: M.E.D.- 5489, USCG



### > WIND SOCK WITH FRAME

- Wind tunnel tested
- Color: Bright orange for higher visibility
- Constructed by Nylon oxford cloth for greater strength
- Size: 5' x 18'
- Frame: Galvanized steel with swivel for easy rotation



### > PERSONAL TRANSFER BASKET

- Capacity: 4,6,8,10,12 Persons
- Load line: 18 Foot and 22 Foot
- Overall height: 29 foot and 30 foot
- ABS type approved



### > PADLOCKS

- Stainless steel shackle, 2-1/4in (57mm) for best combined corrosion and cut resistance
- Set-your-own 4-digit combination for convenience and security
- Reset to any of 10,000 personalized combination
- 2in (51mm) wide solid brass case for strength and weather ability



### > ALCOHOL TESTER

- Easy to View LED Display
- Trusted Semi-conductor Sensor
- Easy calibration using any approved simulator
- Immediate Results in less than 30 seconds
- Size: 125 mm x 65 mm x 25 mm
- Weight: 150 grams



### > TORCH

- Simple, robust design
- Ultimate halogen light output
- High energy alkaline cell certified
- ATEX explosive gas and dust approval
- IECEx Scheme certified
- Low power indicator option



## PERSONAL PROTECTIVE EQUIPMENT (PPE)

### > SAFETY HELMET

- Colors: Red, Orange, Green, Blue, Gray, White
- Certified: ANSI Z89.1:2003
- Ventilated/No-ventilated option
- Plastic suspension and ratchet system
- Universal Slot available to insert welding shield



### > FACE MASKS

- FFPI, FFP2 & FFP3 Masks for diVerent level of protection
- Filter efcieny: 80, 94 & 99%
- Butterfly exhalation valve in Level 2 protection
- Activated carbon layer against fume
- Application: Painting, Welding, Gouging, Grinding, Fabricating



### > EAR PLUGS

- Contoured Shape for Superior fit & smooth soil resistant skin to prevent dirt buildup
- Bright colour easily visible and able to be detected
- Universal size to fit all resulting lower inventory
- Packaging : 1 pair / polythene bag
- Standard: Indian Standard (ISI)



### > EAR MUFF

- Universal size to fit all head sizes
- Light weight with option for height adjustment
- Additional comport with foam fitted cushions
- Noise Reduction Rating : 21-23 dB



### > COVERALLS

- Available in 100% Cotton and 65/35
- Fabric: 280-290 GSM
- Design: Two Way Heavy Duty Zipper, Two chest pocket One tool pocket on leg,
- Two side and two back pockets
- In diVerent colors and sizes
- Options for reflective stripes and Company logo
- 2-3% of pre shrinkage



### > DISPOSABLE COVERALLS

- Made of flash-spun, high-density polyethylene which creates a unique, nonwoven material.
- The protection is inherent in fabric itself & can't worn away.
- Applications: General maintenance, and environmental cleanups
- Provide excellent abrasion resistance
- Helps protect workers against small size hazardous particles



### > WELDING PROTECTION

- Welding Apron, Jacket, Leg Guard, Hand Sleeve
- Protection against Welding sparks
- Made from Cow Split leather
- Can be supplied with Leather Stripes, Velcro
- Confirming to CE standard



### > HAND GLOVES

- Welders gloves for metal welding, cutting and allied processes
- Rigger gloves used on lifting purposes
- Cotton Dotted gloves for superior grip on wet and try surfaces
- Tig gloves with best dexterity made with cowhide
- Confirming to CEStandard



### > SAFETY SHOES

- Anti-static, steel mid sole, steel toe cap, Anti slip
- 1100 newton penetration resistant steel mid sole
- CE EN, ISO 20345, S1/P
- Design Options: High Ankle lace up, Low ankle lace up, Slip on, Executive type



### > SAFETY GLASSES

- Available in Clear and Dark shade
- Adjustable side arm to suit all face sizes
- Design: Frame/Frameless
- Options for anti-fog, anti-scratch
- Certified: ANSI Z89.1:2003

