



Catalogue

FIRE RESCUE & DIVING EQUIPMENT

- Breathing Air Compressors
- Fill Containment Cabinets
- Diving Equipment
- Search & Rescue Equipment
- Smoke Extractors & PPV Blowers
- Personal Protection Equipment

COMPANY PROFILE

JYOTECH is one of India's leading supplier of **FIRE SAFETY RESCUE & DIVING EQUIPMENT** as well as **INDUSTRIAL COMPRESSORS & PROCESS ENGINEERING EQUIPMENT**. Established in 1990, the Company has been offering high quality products adhering to National and International standards to the Industry and Government. An ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 organization, **JYOTECH** services the Indian market, offering a full range of products from its state-of-the-art manufacturing facilities in North India (**NCR NOIDA**) and from its international business partners.

Our range of **FIRE SAFETY RESCUE & DIVING EQUIPMENT** includes:

- **BREATHING AIR COMPRESSORS** – We have a wide range of Portable & High Capacity machines to refill SCBA/SCUBA cylinders of 200-300-400 bar. From Low Capacity Portable 100 lpm machines to high capacity 750lpm Filling Stations (higher capacities also available). We offer electric motor driven as well as engine (Petrol & Diesel) driven compressors. Product Range also includes **FILL CONTAINMENT CABINETS** for single, two and four cylinders as well as for twin tank configuration. **LOW PRESSURE BREATHING AIR SYSTEMS** includes compressors, purification/filtration, trailer mounted units and distribution system. We also have in-house facility to Design and Develop **HIGH PRESSURE AIR CASCADE SYSTEMS** with storage, panels, pipelines and distribution including Containerized Systems for Offshore Applications.
- **SEARCH & RESCUE EQUIPMENT** – Range includes **HUMAN LIFE DETECTOR** used to search for any human survivor trapped under debris of structural collapse without entering the area. Its a state-of-the-art instrument that detects only human survivors. This item is complimented by **ADVANCED RESCUE SEARCH CAMERAS or VICTIM LOCATION UNITS** in various designs including Victim Location Units which can be used even for **UNDER WATER SEARCH** as well as for **BOREWELL SEARCH**. Special **UNDERWATER SEARCH SONAR SYSTEM** are also available. Range also includes **AIR LIFTING BAGS** with lifting capacity upto 105 Tons and working pressure upto 15 bar. We also offer wide range of **HYDRAULIC RESCUE TOOLS** including **CUTTERS, SPREADERS, COMBI- TOOLS, RAM SETS (EN Certified)** as well as **BATTERY DRIVEN HYDRAULIC TOOLS (NFPA Certified)**.
- **HAZMAT LEAK CONTROL KITS** – Designed for Petroleum Oils & Chemicals, the range includes pneumatic driven leak sealing BAGS, PIPE PLUG KITS, Sealing BANDAGES, LANCING SET (WEDGES & CONES), Sealing TUBES, VACUUM sealing bags, FLANGE sealing kits for PETROLEUM OIL & CHEMICAL INDUSTRY. We also have MUNICIPAL PIPE PLUGS and liquid COLLECTION SELF SUPPORTING TANKS.
- **UNDERWATER DIVING EQUIPMENT** includes complete UNDERWATER BA Sets / BASCCA Sets for search rescue and recovery applications. We also supply Under Water COMMUNICATION SYSTEMS and SURFACE SUPPLY DIVING Equipment. We also offer complete range of SCUBA Gear.
- **SMOKE EXHAUSTERS & PPV BLOWERS** – Range includes Engine and Motor driven SMOKE EXHAUSTERS as well as PPV BLOWERS (Motor/Engine/Battery driven). Most units are AMCA certified.
- **PERSONAL PROTECTION EQUIPMENT** – Range includes SCBA Sets, ELSA and EEBD sets, NBCD Masks etc. as well as FIRE FIGHTER TURNOUT GEAR and FIRE FIGHTER HELMETS (EN / NFPA certified).

This catalog covers the above range of equipment. Our **Valued Customers** include various OIL & GAS companies, CHEMICAL/PETRO-CHEMICAL companies, REFINERIES, STATE FIRE SERVICES, NDRF, SDRF & CIVIL DEFENCE Units, NAVY, COAST GUARDS, PARA COMMANDS, PARA-MILITARY FORCES, DRDO LABS, AIRPORT AUTHORITY OF INDIA, INDIAN RAILWAYS, NTPC units, Port Trusts, Shipyards, & many Private & Public Sector Departments etc.

Our range of **INDUSTRIAL COMPRESSORS & PROCESS ENGINEERING EQUIPMENT** includes:

We are serving the Core Sector (steel, power, cement, chemical, oil & gas, energy sector and CGD industry) with compressors and systems manufactured/packaged by us. We offer customized solutions & engineering products for demanding applications. Range includes:

- Medium & High Pressure **AIR & GAS COMPRESSORS & BOOSTERS**
- **PROCESS GAS COMPRESSORS** (Oxygen, Hydrocarbon Gases, Inert Gases, Natural Gas, Toxic Gases. (Reciprocating & Diaphragm Type compressors)
- **CNG / BIOGAS COMPRESSORS, BOOSTERS & COMPOSITE MACHINES**
- **MEDICAL & INDUSTRIAL OXYGEN** Cylinder filling **COMPRESSORS**
- **HYDROGEN GAS COMPRESSORS** and **FUELING SYSTEMS**
- **AIR SEPARATION PLANTS**

JYOTECH is headquartered in **NCR NOIDA**, having Pan India presence with offices at **MUMBAI, KOLKATA & CHENNAI**. This is further strengthened by our network of Associate Partners / Distributors all over India including neighboring countries. Our team of professionals have rich experience & skills to provide all types of Pre-Sales, Technical & After Sales Service Support including Supply of Spares & undertaking AMC contracts.

ICON / MCH6 SERIES

India's largest selling portable light duty High Pressure BA Compressor.

F.A.D. : 100 lpm

Op. Pressure : 200/225 and / or 300/330 Bar

Prime Mover : 2.2 kW / 3 kW Motor (1 or 3 Ph)

or 5.5-6 HP Petrol Engine

Options: Auto Stop / Auto Drain / Hour Meter Available in Powder coated Steel Frames or Stainless Steel Frames



MCH - 13 / 16 ELECTRIC (SMART SERIES)

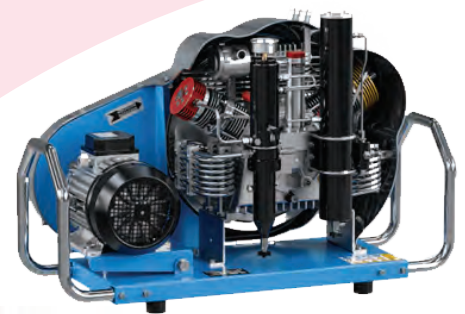
Portable but Medium Duty BA Compressor - compact design & can be mounted on Fire Tenders, if desired.

F.A.D. : 200 - 300 lpm

Op. Pressure : 200/225 and / or 300/330 Bar

Prime Mover : 4 / 5.5 kW Electric Motor (3 Phase)

Options: Separate Control Switchboard with Start/Stop/Emergency Stop Switches, Hour Meter and Selectable Pressure Switch for Auto Stop, Auto Drain etc.



MCH – 13 / 16 & 21/23 ELECTRIC (ERGO SERIES)

Medium Duty BA Compressor – Three Phase Motor driven with built in Control & Safety Panel.

F.A.D. : 200 – 380 lpm

Op. Pressure : 200/225 and / or 300/330 Bar

Prime Mover : 4 / 5.5 / 7.5 kW Electric Motor (3 Phase)

Control Features (Electric) : Built in Control Panel with Start/Stop/Emergency Stop Switches, Hour Meter, Auto Stop, Auto Drain, Protection against Low Oil, High Temperature & Reverse Rotation.

Standard and TPS pumping unit options.



MCH-16 ENGINE (Petrol / Diesel)

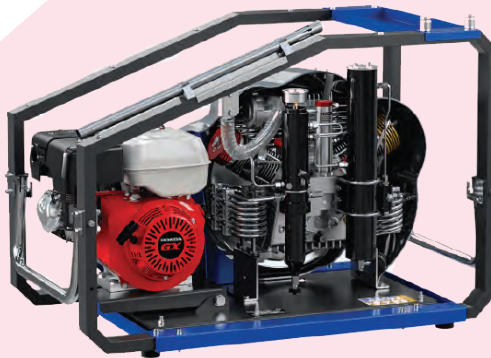
Medium Duty BA Compressor – Petrol or Diesel Engine driven.

F.A.D. : 265 lpm

Op. Pressure : 200/225 and / or 300/330 Bar

Prime Mover : 9-10 HP Petrol or Diesel Engine

Optional : Auto Stop, Auto Drain



ACCESSORIES

C-MONITOR



FILLING ADOPTERS



MCH – 13/16 & 21/23 (MARK3 SILENT / SUPER SILENT SERIES)

Medium to Heavy Duty Fully Enclosed BA Compressors – Three Phase Motor driven and come in a sound proof enclosure for low noise level and have all the automatic controls built-in into a control panel on the compressor frame / enclosure.

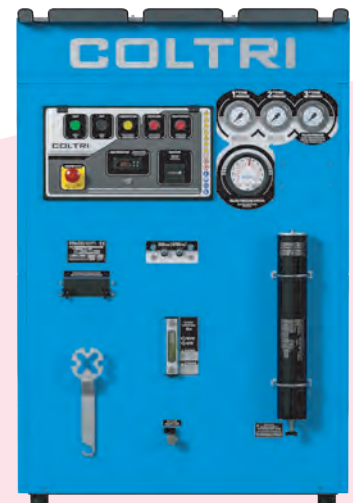
F.A.D. : 200 – 380 lpm

Op. Pressure : 200/225 and / or 300/330 Bar (Optionally upto 420 Bar)

Prime Mover : 4 / 5.5 / 7.5 kW Electric Motor (3 Phase)

Control Features (Electric) : Built in Control Panel with Start/Stop/Emergency Stop Switches, Hour Meter, Auto Stop, Auto Drain, Protection against Low Oil, High Temperature & Reverse Rotation.

Low Noise Level : Sound Proof Enclosure



MCH – 22/30/36/45 (OPEN AND SILENT)

High capacity machines come in OPEN and SILENT options for low noise level and have all the automatic controls built-in into compressor frame / enclosure. You have the possibility of filling 4 cylinders at a time.

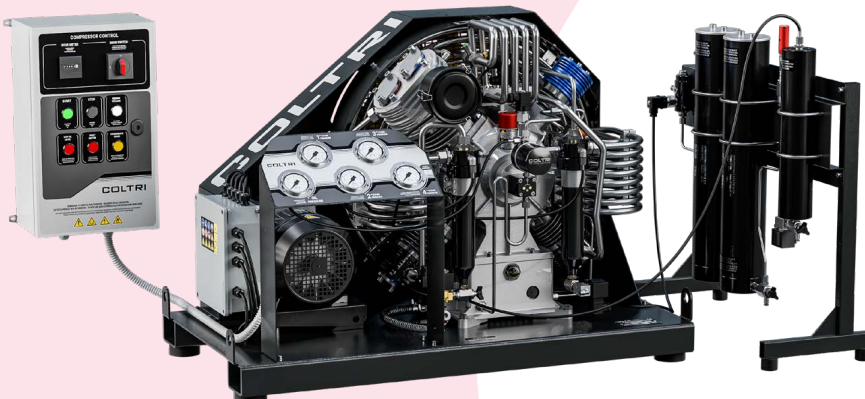
F.A.D. : 400 – 750 lpm

Op. Pressure : 200/225 and / or 300/330 Bar (Optionally upto 420 Bar)

Prime Mover : 7.5 / 9.0 / 11.0 / 15.0 kW Electric Motor (3 Phase)

Control Features (Electric) : Built in Control Panel with Start/Stop/Emergency Stop Switches, Hour Meter, Auto Stop, Auto Drain, Protection against Low Oil, High Temperature & Reverse Rotation.

Low Noise Level : Sound Proof Enclosure



FILL CONTAINMENT CABINETS

Single / Two / Four Cylinder Cabinets for Safety

Steel Structure

Residues Remain Inside the Cabinet

Recharge of 1, 2, 4 or TWIN CYLINDER (depending on the model)

Filling Connections included



ACCESSORIES

FILLING PANELS

Single / Double pressure remote charging panel



AIR QUALITY MONITORING

Online BA Quality monitoring



NFPA CERTIFIED



LPBA COMPRESSORS LP & HP BA TRAILERS



PORTABLE LPBA COMPRESSOR EOLO 330

F.A.D. / Op. Pressure. : 330 lpm / 8 Bar
Prime Mover : 2.2 / 3 kw Motor or 5.5 HP Petrol Engine
Single or Double User Outlet
Optional Food Grade Breather Hose & Respiratory System
Comes with **2 WHEELS**



LP & HP BA SYSTEM & TRAILERS

SKID or TRAILER MOUNTED SYSTEMS
COMPRESSOR with STAND-BY AIR RECEIVER, BREATHING AIR FILTRATION
ONLINE CO MONITORING & ALARM,
DISTRIBUTION, 4/6/8 USER OUTLETS with HOSE REELS and LPBA HOSES as well as RESPIRATORS.
Standard Capacity 20-50 cfm. Higher Capacities upto 150 cfm available.
Explosion Proof electricals for use in hazardous areas.



H.P. AIR BANK



LPBA FILTRATION SYSTEMS

PORTABLE / MOVABLE or FIXED / PANEL MOUNTED systems

3 stage filtration systems - Removes liquids and particulate to 5 micron, Oil coalescing and ultra-fine particulate filtration to 99.99% efficiency at 0.01 micron particle size & Charcoal to remove organic vapors and objectionable odors.

In-Line Carbon Monoxide (CO) & Optional CO/O₂ monitoring

External mounted CO warning LED lights and audible alarm 95 dBA is standard.

Comes with Pressure Regulators and Multiple outlets with QC couplings

Flow rates from 15cfm till 250 cfm (custom panel mounted units upto 3000 cfm available) and user outlets of 2/4/8 or custom design.



SMOKE EXTRACTORS & PPV BLOWERS



NPV-PPV SMOKE EXHAUSTERS

Portable, Petrol Engine & Electric powered high output smoke exhauster, suitable for use by fire fighters rescue team for both PPV application (for blowing) and well as NPV applications (for smoke ejection / suction) of hazardous gases / smoke in emergency situations. Upto 14,000 cfm Capacity for portable range with Flame & Abrasion Resistant Flexible Ducting Options.



SMOKE EXHAUSTER GASOLINE

- 16" - 18" Dia. Fans
- Upto 14000 cfm Flow Rate
- Direct drive
- Light, small and compact

SMOKE EXHAUSTER ELECTRIC

- 16" Dia. Fans
- Upto 11800 cfm Flow Rate
- Single Speed Electric Motor
- Light, small and compact



PPV BLOWER GASOLINE

- 16" - 24" Dia. Fans
- Upto 24000 cfm Flow Rate
- Direct drive or Belt Drive Options

PPV BLOWER ELECTRIC

- 16" - 24" Dia. Fans
- Upto 15000+ cfm Flow Rate
- Single and Variable Speed Motor



PPV BLOWER BATTERY DRIVEN

- 18" Dia. Fans
- Upto 11,000+ cfm Flow Rate
- Upto 70-Minute Run Time
- Variable Speed Motor



MOBILE VENTILATION UNITS

- 48" & 60" Dia. Fans - 130000 to 150000 cfm flow rate
- Tilt System + 30° to - 30°
- Hydraulic System: Pump, Motor, Tank and Valves
- Turbo Charged Diesel Engine: 110 HP / 133 HP
- Electric Wiring w/ 24V Battery
- Operating Panel w/ Wired Remote Control
- Body for Engine and Hydraulic System
- Mounted on Base Frame/Skid/trailers.



VENTURI BLOWERS

Used to ventilate hazardous vapors / fumes safely
 Operates on compressor air or stream
 Static grounding lug supplied
 Lightweight cast aluminum base
 Galvanized steel horn (replaceable)
 Models available upto 8000 cfm capacity
 Use in high heat locations
 Operating pressure upto 140 psi
 API standard base sizes



SMOKE MACHINES

Upto 1500 Watt Heat Exchanger
 Continuous fog output with auto-ramping
 Chip Resistant Powder-Coated 12 Gauge Steel Case
 Air-input connection for rapid cleaning
 On-board timer controls with upto 250 second duration
 Multi-link and daisy chain up to four (4) machines



HP LIFTING BAGS (8-10 BAR)

High-pressure lifting bags are used for lifting the heaviest loads. High-pressure lifting bags exert maximum force in a concentrated area, making them ideal when lifting rigid structures in tight places. Their unique structure also allows use in load shifting, heavy truck or aircraft recovery and different moving situations.

HIGH PRESSURE LIFTING BAGS (8.0 BAR): Square / Rectangular Bags Aramide Chord Re-Enforced. Lifting Capacity upto 70 Tons Capacity & Max. Lifting Height upto 0.52m for a 94.5 x 94.5 cm bag.

HIGH PRESSURE LIFTING BAGS (10.0 BAR): Square Bags Aramide Chord Re-Enforced. Lifting Capacity upto 88 Tons & Max. Lifting Height upto 0.52m for a 94.5x94.5cm bag.

FLAT BAGS (8.0 – 10.0 BAR): Collection of 3 Square Bags Aramide Chord Re-Enforced. Lifting Capacity upto 88 Tons Capacity an Max. Lifting Height upto 1.0m for a series of 3 bags each 94.5x94.5cm.



VEGA & NOVA HP LIFTING BAGS (12-15 BAR)

VEGA 12 Bar Square Bags Aramide Chord Re-Enforced with Max Lifting Capacity upto 100 Tons and Max Lifting Height upto 0.51m for a 93x93cm bag.

NOVA 15 Bar Square Bags Aramide Chord Re-Enforced with Max Lifting Capacity upto 100 Tons and Max Lifting Height upto 0.46m for a 84x84cm bag.

Bags with inbuilt handles.

All HP Bags EN13731 certified.

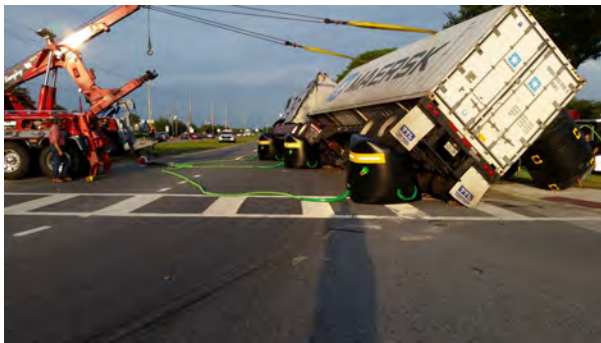


AIR LIFTING BAGS & ACCESSORIES LOW PRESSURE



CATCH BAGS – TOWING AND RECOVERY

Catch Bags are used to “catch” the vehicle when up righting it for a soft landing and to prevent secondary tip-over. They are built to prevent dangerous and uncontrolled descent of any vehicle or object.



LOW PRESSURE LIFTING BAGS (0.5 BAR)

Low-pressure lifting bags are used for lifting very large objects. They have special TOP GRIP pads bonded to the top and bottom of the bag. Top Grip pad offers heavy duty protection from slipping, puncture, abrasion and premature wear. Used for up righting trucks, rail cars, and other types of vehicles or structures. Round Bags Upto 09 tons capacity and upto 2.1 Meter Lifting Height..



MEDIUM PRESSURE LIFTING BAGS (1.0 BAR)

Catch Bags are used to “catch” the vehicle when up righting it for a soft landing and to prevent secondary tip-over. They are built to prevent dangerous and uncontrolled descent of any vehicle or object.



LEAK SEALING BAGS & BANDAGE

MINI LEAK SEALING BAGS are used for sealing leaks in small tanks and barrels. Simply strap the bag to the container or pipe and inflate to initiate a seal.

LARGE LEAK SEALING BAGS are used for fast and temporary leak sealing. They are used on tanks, in large pipes and containers of all shapes and sizes. They are suitable for use with majority of hazardous liquids, fuels, water, oils, etc. Strap the bag and inflate it with air. Use sealing plates and acid bags for additional protection. We have bags which work on low pressure (1.5 bar), medium pressure (6 bar) and high pressure (10 bar) depending on the pressure of liquid. Supplied with all accessories. Can be inflated with a pump or from cylinder air using pressure regulator.

DRAINAGE SEALING BAGS can be fixed onto tanks with straps. Drainage sealing bags have an inflatable sealing perimeter which stops the leak but still allows venting and a controlled draining of liquid from the tank. Drainage sealing bags are suitable for use with fuels and many other toxic chemicals

SEALING BANDAGES are used for sealing pipes from the outside. The bandages are made of highly chemical-resistant rubber compound, which retains a high level of flexibility in most demanding applications and situations. We have bandages in Length from 25cm (width 12.5cm) to Length 170 cm (width 45 cm). Supplied with following accessories: One Foot Pump 1.5 Bar with hose, One Single Controller, and One Inflation Hose 10m long, in a Portable Carry Case



VACUUM DRAINAGE BAG

The vacuum drainage bag seals leaks without using straps. Vacuum bags work well on large storage tanks and wide flat surfaces that can't be strapped. Vacuum sealing drainage bags seal and stick by creating a vacuum, which is why belts are not needed. A vacuum is created by using air-pressure from a high-pressure air source (8 bar). Scope includes Vacuum drainage bag supplied with Accessories: Ball valve, Transparent venting and drainage hose.



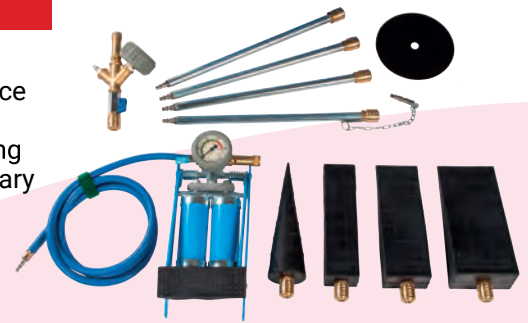
PIPE PLUG KIT

The pipe plug kit consists of oil-resistant plugs with electrostatic and spark resistant accessories. It is used by first response units for sealing pipes of different sizes or other round holes in tanks, barrels, etc. Total 11 plugs in different sizes and shapes.



LEAK SEALING LANCES (WEDGES & CONES)

LEAK SEALING LANCE SET (WEDGES & CONE) can seal holes at a distance with a remote placement and inflation lance. Sealing wedges work well in quick sealing of tanks that have been punctured by a fork-lift blade. Sealing cones work well in sealing of round hole punctures. Supplied with necessary accessories in a Portable Carry Case. Work on 1.5bar pressure.



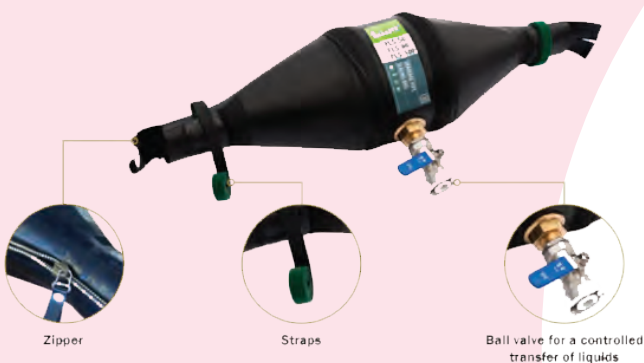
SEALING TUBE

SEALING TUBES are used for a fast and temporary leak sealing of pipe bends and difficult-to-access pipe connections. We have three sizes of tubes – in length 150, 250 and 350 cm. Supplied with One Sealing Pad, One Inflation Control Valve, One Deflation Valve, Inflation Hose 10m Long and Foot Pump (10 bar) with hose in a Portable Carry Case.



FLANGE SEALING KIT

Drainage pipe sealing bags / flange sealing kits are perfect solution for leakages on pipe connections. Drainage pipe sealing bags have a built-in zipper that allows a simple positioning. Available for 2 inch to 4.5 inch dia pipes



STANDARD TOOLS

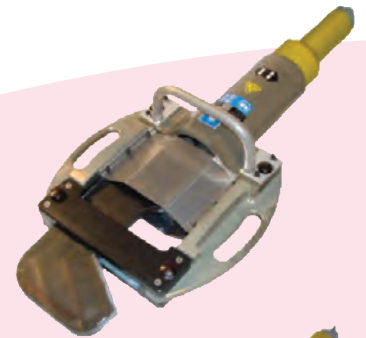
COMBI TOOLS

- Ergonomically shaped control handle with integral safety feature and check valve.
- Automatically locking, anti-pollution, HP quick couplers fitted with metal protection stoppers.
- 2 straight, high strength forged steel blades with anti-corrosion treatment.
- 2 Removable ribbed tips.
- 1 U type holding handle.
- Pressure relief valve for hose on coupler end.
- Adjustable carrying handle
- CE Certified EN13204



CUTTERS

- With Ergonomically shaped operating handle with a built in safety feature.
- Automatically locking anti-pollution, HP quick couplers fitted with metal protection plugs.
- 2 straight and curved high resistant forged steel blades with anti-corrosion treatment.
- 1 U type holding handle.
- Pressure relief tap for hose on coupler end.
- CE Certified EN13204



SPREADERS

- With Ergonomically shaped control handle with integrated safety device and piloting.
- Automatic locking mono coupling with flat faced pre-centering cone and metallic protection cap
- 2 Forged high strength light alloy arms fitted with interchangeable serrated tips without tools.
- The tips are made from high strength, hardened and anti-corrosion treated steel.



RAM SETS & RAM SPREADERS

- Ergonomically shaped control handle with integral safety device and piloting check valves.
- Automatic locking mono coupling with flat faced pre-centering cone and metallic protection cap & universal swivel fitting.
- Pressure relief valve for hose on coupler end.
- CE Certified EN13204
- Pressure relief valve for hose on coupler end.
- CE Certified EN13204



PUMPS

- Motor Driven Diesel Engine Driven or Petrol Engine Driven Pumps.
- Open and Silent Options.
- Single or Multiple Tools.
- With Option of Cable Reels



BATTERY POWERED TOOLS

BATTERY POWERED COMBI-TOOL

- Certified Compliant to NFPA 1936, 2020 Edition
- Rating A6 / B7 / C6 / D7 / E7



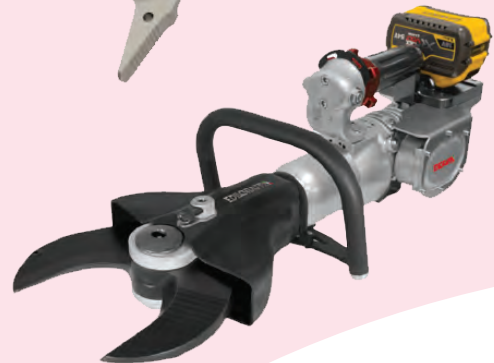
BATTERY POWERED CUTTERS

- Certified Compliant to NFPA 1936, 2020 Edition
- Rating A6 / B5 / C6 / D7 / E7



BATTERY POWERED SPREADER

- Certified Compliant to NFPA 1936, 2020 Edition
- Spreading Force > 170 kN



BATTERY POWERED TELESCOPIC RAM

- Certified Compliant to NFPA 1936, 2020 Edition
- Compact design

BATTERY OPERATED BOLT / CHAIN CUTTERS

- Compact size
- 360° swiveling head
- For Urban rescue operations like disasters relief



SINGLE CYLINDER UNDER WATER B.A. SET

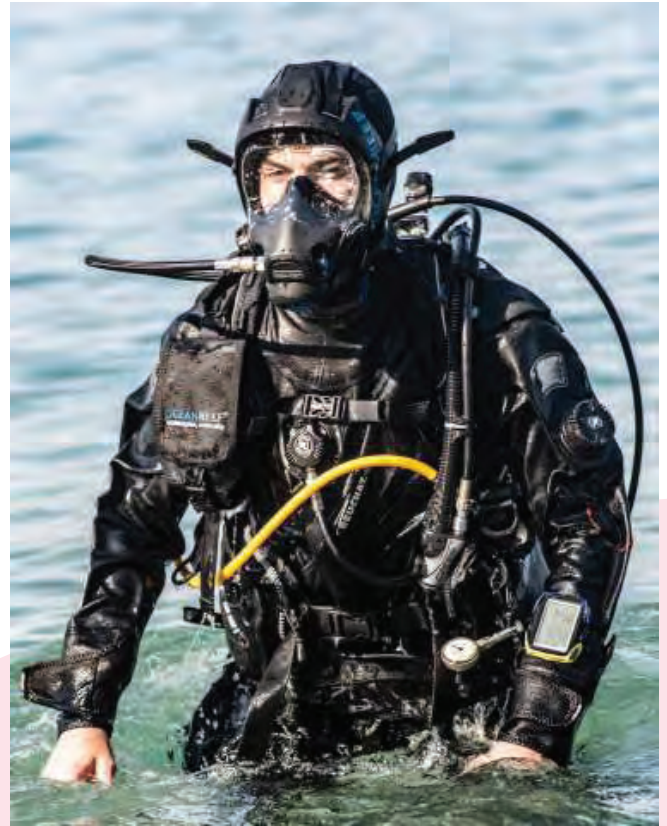
- Set with FULL FACE INTEGRATED DIVING MASK
- REGULATOR & OCTOPUS Options
- GAGE & CONSOLE Options
- SINGLE TANK (1600L or more) Options
- BACKPACK and BCD Options
- EN250/1809 Standard Compliance
- Direct supply with provision from SDDE and switchover.

TWIN CYLINDER UNDER WATER B.A. SET

- Set with FULL FACE INTEGRATED DIVING MASK
- REGULATOR & OCTOPUS Options
- GAGE & CONSOLE Options
- TWIN TANK (2000L to 4000L Options)
- BACKPACK and BCD Options
- EN250/1809 Standard Compliance
- Direct supply with provision from SDDE and switchover.

OPTIONS / ACCESSORIES:

- EMERGENCY EXTRA AIR Pony Tanks
- UW Communication System
- Surface Demand Diving Sets
- Torches & HEAD MOUNTED Lights
- WET SUIT / DRY SUIT with Accessories



FULL FACE INTEGRATED DIVING MASKS / KITS

SPACE EXTENDER, PRE-DATOR, IRON MASK & G-DIVER Series
Integrated Diving Masks for the avid professional & rescue divers.

- Full Face Mask with INTEGRATED regulator - Nothing to bite on; Frees mouth to communicate, drink & Enables nose breathing.
- Breathing apparatus integrated into the mask means automatic pressure equalization at each inspiration.
- Cold water certified, balanced, on demand, integrated regulator.
- Polycarbonate visor (siloxane double coated for scratch resistance).
- Directional exhaust valve (4 positions).
- Dive / pre dive switches & Extender Kit and SAV (Surface Air Valve) included (except in G-DIVER).
- Fully customizable product that can serve all your diver needs as accessories that can be integrated with the mask.
- PREDATOR has SS components and IRON MASK is for Chem-Haz applications.



NEPTUNE III - THE MOST ADVANCED FULL FACE DIVING MASK

EFFORTLESS – Completely new 2nd stage design and engineering. Breathing as smooth as silk.

RUGGED – Signature double coated visor is renowned for its unparalleled toughness and clearness, now combined with tech PU regulator protection and silicone deflector to absorb the shocks of an intense scuba diving use.

COMFORTABLE – Premium materials, redesigned orinasal pocket descending from the experience we built upon 100s of thousands of FFMS that we made for people around the globe.

PANORAMIC – We held the top spot for field of vision of any FFM before the Neptune III, now, we've increased it further!

PRACTICAL – All the great designers in the World could come together to make the most beautiful product ever, but we, divers, need products that are more than beautiful – they must be practical. Neptune III is just that.

SAFE – Physiological benefits of nose breathing are now getting more and more attention and that is one of the great "pros" of a Full Face Mask, but the Neptune III combines all benefits, plus, a dive pre-dive switch, just to make sure that you have all the control you want over your 2nd stage.

FUNCTIONAL – This product can be used in almost any condition, we built it that way. For example, now the Neptune III is the first FFM that can be doffed with one hand.

COMPLETE – Certifying this product we decided that we wanted to guarantee OCEAN REEF divers to be able to rely on a certified set, not just a 2nd stage and first stage. Neptune III can be purchased with it's first stage, pressure gauge, quick connection hose, quick connection octopus and back-up conventional mask.

ADAPTABLE – Neptune III is sold with the Neptune Backpack, a tool designed by divers, for divers.



FULL FACE SNORKEL MASKS

FULL VISUAL on the underwater world – The mask will revolutionize your snorkeling experience. You will be able to observe everything that happens around you underwater with a 180° panoramic view. Lightly colored face seal for those who want to match the summer, beach, mood.

ACCESSORIES – The mask comes with a reusable carry bag with mesh bottom for drainage to allow drying after use. Mask is compatible with all accessories in the FFSM Ocean Reef line. Exclusives like Snorkie Talkie, Optical Lens' Kits and matching Duo fins all add to maximize comfort for an unforgettable experience.



TORCHES, HEAD MOUNTED LIGHTS, SURFACE POWERED LIGHTS

HAND HELD or HEAD MOUNTED
MOUNTING ON FULL FACE DIVING MASK POSSIBLE
RECHARGEABLE BATTERIES
FROM 1000 LUMEN to 10000 LUMEN



OTHER ACCESSORIES

OCTOPUS & DIVE COMPUTERS
FIRST STAGES REGULATOR
DUAL TANK VALVE
Q/C or SWIVEL CONNECTION
OPTICAL LENS SUPPORT
WET & DRY SUITS



SURFACE DEMAND DIVING EQUIPMENT & UNDER WATER COMMUNICATION



SURFACE DEMAND DIVING EQUIPMENT

- SURFACE AIR CONTROL PANEL for ONE/TWO Divers
- INPUT from HP CYLINDERS (2 Nos.) or LP AIR COMPRESSOR
- Inlet Air PRESSURE GAGES
- Built in PRESSURE REDUCER
- Discharge Air PRESSURE GAGE
- OPTIONAL PNEUMO SYSTEM with DEPTH GAGES
- OPTION of Built in COMMUNICATION SYSTEM
- UMBILICALS in Length of 50m or more.
- Rugged Design with Wheels - Lightweight, portable control box.



UNDER WATER COMMUNICATION

Communication System for Diver-to-Diver and Diver-to- Surface Two Way Audio Communication both HARD WIRE and WIRELESS type. Also, UNDER WATER VIDEO CAMERA with INTEGRATED AUDIO COMMUNICATION.

SURFACE UNIT with built in battery & life indicator. Option of ONE or TWO DIVER UNITS Communication CABLE in 50m Length or more.

Camera CABLE in 50m Length or more. CCD Micro Camera, FACE MASK Mounted or Hand Held Compatible with variety of FULL FACE MASKS Option of Recording.



SELF CONTAINED BREATHING APPARATUS

- **Anatomic Back-Pack** made of self-extinguishing synthetic resin;
- **Body harness** made of a self-extinguishing composite textile;
- Padded belt available on demand;
- **Compensated pressure reducer** which allows a free flow of more than 1000 l/min;
- **Chest block**, compact and light, connected to a flexible hose, including pressure gauge and warning whistle;
- **Pressure gauge** extremely user-friendly, thin and light;
- **Medium Pressure Calibration Rubber Seal**, fixed to Pressure Reducer with stainless steel. Panduit straps;
- **Two hoses only**, for medium and high pressure, easy to maintain and replace;
- **Single-stage type warning acoustic whistle**, fitted with a self-test device;
- The **Demand valve** is of the self-positive type, i.e. it is in a standby mode and switches automatically to positive pressure at the first breath without any waste of air.
- **Positive Pressure full face mask** made of either EPDM or Silicone rubber.
- Available in three additional configurations which allow the connection to a second operator (OUT), a second source (IN) or to both (IN&OUT).



EMERGENCY EEBD SETS

- BA Set for emergency situations, with **back-pack or carry bag**
- Harness made of synthetic, self-extinguishing, fibre with comfortable buckles.
- Balanced type pressure reducer made of chrome plated brass, including a safety valve, a warning device and a filter stopping particulate impurities.
- Photoluminescent pressure gauge covered by a rubber protective cap, connected to the pressure reducer.
- The demand valve is of the self-switching to positive pressure type. It keeps itself in a stand-by position until the moment of first breath and then it switches automatically to positive pressure at the first breathing act.
- Wide vision full face mask, designed to operate in positive pressure and equipped with a speech diaphragm.
- Diablo Piz is suitable for use in explosive environment.



ESCAPE HOOD SETS

- Hood type, constant flow, breathing apparatus to escape from areas in which toxic substances or oxygen deficiency may occur. Easy donning for quick escape. SNC complies with EN 1146 and ISO 23269-1. Compliant to MED Directive.
- **Models available:** 10 minutes duration and 15 minutes duration.



FULL FACE GAS MASKS & CBRN MASKS

The mask is certified as class 3 according to EN 136 (maximum mechanical, heat and flame resistance). For use with particle, gas and combined filters equipped with EN 148/1 threaded connection.

Innovative inspiration system with rectangular inhalation valve and absence of non-return valves, which ensures excellent anti-fog, assuring a minimum level of breathing resistance.

Panoramic visor, optical class 1 (EN 166), ensures a wide field of vision, without optical distortions.

Ballistic resistance (STANAG 2920). Available with anti-scratch treatment. Available in EPDM or 3D fabric (interchangeable)



Full face mask complying with the requirements of UNI EN 136 (CL3) and developed by the CBRN school and by the special departments of the Italian army.

For use with filters with STANAG threaded connection.

The mask provides 24-hours of continuous protection against CW agents based on stringent military test methods and is impermeable to all biological agents.

Excellent protection against a wide range of TICs.

FIRE FIGHTER SUITS, HELMETS & BOOTS

Certification:

EN 469 (Fire Suit)
EN 659 (Gloves)
EN13911 (Hood)
EN15090 (Boots)
EN443 (Helmet)
(Latest Versions)

Fire Suit: Nomex® IIIA + Moisture Barrier + Thermal Liner
Design: Jacket & Trouser
Available Color: Navy / Dark Blue / Khaki / Yellow etc.
Reflective Tape: 3M Scotch lite

Fire Gloves: Leather
Design: 5-finger
Available Color: Tan
Reflective Tape: 3M Scotch lite

Hood: Nomex® IIIA knitted
Design: Balaclava
Available Color: Natural / Black

Fire Boots: Rubber
Design: Gum Boots
Available Color: Yellow + Black

Fire Helmet: Fiberglass Reinforced Composite / Kevlar®
Traditional & Modern Designs
Impact Liner + Ratchet (size 51-65cm)
Chin Strap with QR Buckle
Internal Retractable or External PC Face Shield FR Neck Protector Certified to NFPA 1971/
EN443 & EN166 / 14458
OPTIONAL: Torch, Internal Goggles, Tape



CHEMICAL GAS TIGHT SUITS

The protection suit is to protect the wearer and his/her personal protective equipment against hazardous gases, liquids and solids.
Standards: EN 943-1:2002, Type 1a & EN 943-2:2002



HUMAN LIFE DETECTOR

DISASTER SEARCH

FIRST SEARCH TOOL TO LOCATE SURVIVORS TRAPPED UNDER DEBRIS IN CASE OF EARTHQUAKE – BUILDING OR STRUCTURAL COLLAPSE, LAND SLIDE, FLOODS – PEOPLE TRAPPED UNDER WATER – FROM OUTSIDE

SECURITY SEARCH / BORDER PATROLLING

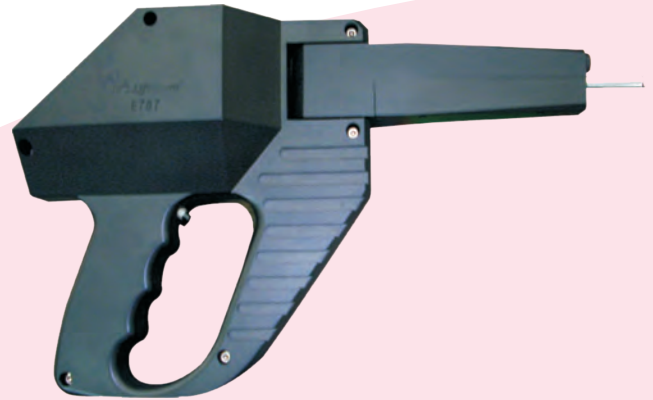
LOCATE PEOPLE HIDING BEHIND BARRIERS, IN BUSHES & BUILDINGS FROM A DISTANCE / COMBING ACTIVITIES

MINE RESCUE

SEARCH FOR MINERS TRAPPED IN FLOODED OR COLLAPSED MINE FROM SURFACE.

RANGE: UPTO 500m DETECTS THE PRESENCE OF LIVING HUMANS AND ONLY HUMANS AT LONG OR SHORT RANGE (No Animals)
NO POWER SUPPLY REQUIRED

SINGLE TOOL TO LOCATE “LIVING HUMAN BEINGS” BEHIND BARRIERS, WITHOUT ENTERING THE AREA



SEARCH CAMERA – VICTIM LOCATION UNIT

PROEYE 951.S / 951.S.IN SERIES VICTIM LOCATION SEARCH CAMERAS

COLOR VIDEO AND 2-WAY AUDIO SEARCH TELESCOPIC PROBE WITH PISTOL STYLE CONTROL GRIP WITH REMOTE CONTROLLED MOTORIZED TWO-WAY ARTICULATING CAMERA, CAMERA HEAD WATERPROOF TO 60m 7-9inch FLAT LCD DISPLAY ON THE PROBE VARIABLE INTENSITY LED ILLUMINATION RECHARGEABLE BATTERY PACK WITH CHARGER PACKED IN A WATER AND DUST TIGHT CASE

OPTIONAL ACCESSORIES: REMOTE WIRELESSES / HARD WIRE MONITOR, BREACHING SYSTEM TO DRILL HOLES IN RCC / CONCRETE, CABLE FOR UNDERWATER / DEEP SEARCH (20 / 30 / 50 / 60m).





Some of The Brands We Represent



COLTRI[®]
COMPRESSORS

YONE

TEMPEST

Sèkur[®]



RSP
RESOLVE SPECIALTY
PRODUCTS, LLC

EDILGRAPPA

Sawa[®]

HYDRAM[®]

MAHERO[®]
FIRE PROTECTIVE GARMENTS

OCEANREEF[®]
underwater, naturally.

TRELLEBORG

DKL
The Science of Saving Lives





JYOTECH ENGINEERING AND MARKETING CONSULTANTS

Regd. Office

H-49 A, KALKAJI
NEW DELHI 110019

Mumbai
mumbai@jyotech.com

Corporate Head-Quarters

G-141, Sector 63, NOIDA - 201301
DISTT. GAUTAM BUDH NAGAR (U.P.)
Tel. : 0120-4711300
Fax : 0120-4711317
Email : sales@jyotech.com

Chennai
chennai@jyotech.com

Branch Offices

MUMBAI
KOLKATA
CHENNAI
SINGAPORE

Kolkata
kolkata@jyotech.com