



 **Panindochina**[®]
Your Safety Solution Provider

Environment Instrument





**INDUSTRIAL
SCIENTIFIC**



SKYLOTEC



KANOX®

Ssekur®

OPGAL
Beyond the Visible

**ZELINSKY
GROUP**

CALGAZ

CHEMDEFEND
PROTECTIVE CLOTHING



3M

**SCOTT
SAFETY**



RESPIREX™
Living + Breathing Personal Protection

ION

CIRLOCK
LOCKOUT / TAGOUT EQUIPMENT

JSP

PRO SAFETY GEAR
prosafetygear.com

Panindochina®

CleanAIR®

STREAMLIGHT

NEWTEX
EXTREME PROTECTIVE APPAREL



MFC International
by RESPIREX
ENGINEERED INFLATABLE PRODUCT SOLUTIONS

THORZT
HYDRATE ENERGISE PERFORM

MAPA®
PROFESSIONNEL

CT
climbing
technology

**CURTISS -
WRIGHT**

ST Protect

Thorogood
SHOES
Since 1892

frontier
SAFETY INDUSTRIAL FOOTWEAR

**INNO
TEX®**

PRATT
SAFETY SYSTEMS

Windsock Company

PIP
PROTECTIVE INDUSTRIAL PRODUCTS


**NEWAGE FIRE PROTECTION
INDUSTRIES PRIVATE LIMITED**

TOBIN
EYEWASH SYSTEM



**KLEVER
INNOVATIONS**

**LW
&
COMPRESSORS**



Being an established provider of safety equipment and its services in Vietnam, our main motivational factor comes from customers' satisfaction via our quality product and services. We aspire to become an integrated Provider/ Partner with a leading presence in Indochine.

VISION

To be a highly valued products and services provider in the manufacturing and services providers market, using progressive management practices and knowledge based skilled employee.

GOALS

To build a core range of safety products with high quality and performances appreciated by users for it's value and meeting the demands by users to protect lives.

To ensure and build the company to be able to translate these values to the general market users.

To explore and introduce other related potential business units which would help customers with their supply chains.

To continuously plan for growth for the company and it's workforce.

MISSIONS

Panindochina aims to set up distribution network of dealers and regional sales team to reach out and service customers in major regions of Vietnam.

Panindochina has set up facilities to support after sales service needs of our customers for the products we supply.

Panindochina has set up growth plans for the company and it's workforce to achieve it's Vision and Mission.

KEY VALUES

Quality product orientated for value and performances.

Teamwork of employees for best customer supports.

Market awareness for best communications between users, manufacturers, supplier and company of market need.

Features and Benefits

New Features

• Heavy Duty Packaging

The unique fully enclosed heavy duty honeycomb core cardboard packaging is mounted on a custom made wooden pallet, providing greater protection of cabinets during storage and transport.

• Powder Coated Paint Finish

Internal and external powder coated finish for improved chemical resistance.

• Recessed Handle

New recessed handle with key lock to eliminate potential damage from heavy knocks.

• Keyed Alike

2 Keys supplied with each cabinet. (Cabinets with locking handles only)

• Self Latching Door

Spring loaded 3 point self latching door mechanism for fault free latching action.

• Slide Control Arm

All single door cabinets now include a slide control arm to prevent the door from being over extended.



Shelves

• Heavy Duty Perforated Steel
1.6mm thick perforated galvanised steel shelves provide added strength and free air movement within the cabinet. (All shelves are pre-fitted to cabinets and additional shelves are available if required).

• Fully Adjustable Shelves
90mm shelving increments for large cabinets and 45mm for medium and small cabinets.

General Structure

• 50mm Vent Bungs
Fitted into side walls for venting of cabinets where required. Also includes a proven flash arrester in each vent with sealed enclosure in cavity between walls. Each vent is supplied with resealable metal caps.

• Double Steel Walls
Constructed using 1.2mm thick, double steel walls with 40mm air gap between walls to provide thermal insulation.

• 150mm Deep Liquid Tight Sump
For containment of leakage or spillage.

• Static Earthing Connection
Now also including earthing wire with each cabinet to help reduce the potential buildup of static electricity, a known source of ignition.

• Classification Labels
All appropriate class labels, capacity labels, identification and instruction labels are applied to each cabinet.

Doors

• Self Closing Doors
All two door cabinets incorporate Pratt's unique and improved sequential self-closing door action, providing hands free closing and ensures doors close in the correct sequence.

• Hydraulic Door Closures
With speed control adjustment for a gentle closing action.

• Continuous Piano Hinge
Continuous piano hinges for reliability of action.

• Rounded Corners
All doors have rounded corners for added safety.



Flammable Liquid Storage Cabinets

Pratt Indoor Flammable Liquid Storage Cabinets comply with the Australian Standard AS 1940 "The Storage and Handling of Flammable and Combustible Liquids".

This range of cabinets is for the storage of flammable or combustible liquids as classified by the United Nations criteria and the ADG Code for Dangerous Goods.

These include flammable liquids such as Paints, Solvents, Petrol, Thinners, Kerosene, Turpentine, White Spirits, Alcohol and Ethanol.

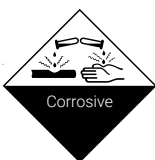
Also combustible liquids such as Diesel, Linseed Oil and Pine Oil.



5516AS

5530AS

Model	Capacity	Doors	Shelves	Extra Shelf	External (mm)			Internal (mm)		
					Height	Width	Depth	Height	Width	Depth
5516AS	30 L	1	1	5517-29	770	515	465	525	420	370
5517AS	60 L	1	2	5517-29	1065	515	465	820	420	370
5530AS	160 L	2	2	5545-29	1295	1115	500	1015	1020	415
5555VS	205 L	1	Roller Set	-	1825	865	865	1580	770	775



Corrosive Storage Cabinets-Metal

Corrosive Substance Storage Cabinets comply with AS 3780 "The Storage and Handling of Corrosive Substances".

This range of cabinets is for the storage of corrosive substances in liquid or solid form as classified by the United Nations criteria and the ADG Code for Dangerous Goods. These include chemicals such as Acids, Alkalis, Caustics, Sodium Hydroxide Solution and Hypochlorite Solution.

Special Features:

- Cabinet doors are fitted with an all stainless steel piano hinge for added protection.
- Internal door opening latch (as required by the Standards).
- Each shelf is supplied with plastic spill trays to contain small spills and leakage.
- Additional powder coating of the shelving and closing assembly for added protection.



5535ASPH

5545ASPH

Model	Capacity	Doors	Shelves	Extra Shelf	External (mm)			Internal (mm)		
					Height	Width	Depth	Height	Width	Depth
5517ASPH	60kg or L	1	2	5517PH-29	1065	515	465	820	420	370
5535ASPH	100kg or L	2	1	5535PH-29	770	935	620	495	840	530
5545ASPH	250kg or L	2	3	5545PH-29	1825	1115	500	1545	1020	415
5590ASPH	425kg or L	2	3	5590PH-29	1825	1115	865	1545	1015	775



Toxic Storage Cabinets

Indoor Toxic Substance Storage Cabinets comply with the Australian & New Zealand Standard AS/NZS 4452 "The Storage and Handling of Toxic Substances".

This range of cabinets is for the storage of toxic substances in liquid or solid form as classified by the United Nations criteria and the ADG Code for Dangerous Goods. These include chemicals such as Alkaloids, Arsenic, Aniline, Cyanides, Mercury, Phenol – Solid and Trichloroethylene.



5530AST



5535AST

Model	Capacity	Doors	Shelves	Extra Shelf	External (mm)			Internal (mm)		
					Height	Width	Depth	Height	Width	Depth
5516AST	30 L	1	1	5517-29	770	515	465	525	420	370
5535AST	100 L	2	1	5535-29	770	935	620	495	840	530
5530AST	160 L	2	2	5545-29	1295	1115	500	1015	1020	415
5545AST	250 L	2	3	5545-29	1825	1115	500	1545	1020	415



Oxidizing Agent Storage Cabinets

Indoor Oxidizing Agent Storage Cabinets comply with the Australian Standard AS 4326 "The Storage and Handling of Oxidizing Agents".

This range of cabinets is for the storage of Oxidizing Agents in liquid or solid form as classified by the United Nations criteria and the ADG Code for Dangerous Goods. These include chemicals such as Hypochlorite inorganic, Hydrogen Peroxide, Perchlorites inorganic and Potassium Nitrate.

Special Features:

- Cabinets are fitted with a non latching door/s.
- Includes recessed handle without key lock facility.
- Includes magnetic catch that will release in the event of a build-up of pressure within the cabinet (as required by this Standard).



5530AOA



5545AOA

Model	Capacity	Doors	Shelves	Extra Shelf	External (mm)			Internal (mm)		
					Height	Width	Depth	Height	Width	Depth
5516AOA	30kg or L	1	1	5517-29	770	515	465	525	420	370
5535AOA	100kg or L	2	1	5535-29	770	935	620	495	840	530
5530AOA	160kg or L	2	2	5545-29	1295	1115	500	1015	1020	415
5545AOA	250kg or L	2	3	5545-29	1825	1115	500	1545	1020	415



Organic Peroxide Storage Cabinets

Indoor Organic Peroxide Storage Cabinets comply with the Australian Standard AS 2714 "The Storage and Handling of Organic Peroxides".

This range of cabinets is for the storage of organic peroxides in liquid or solid form as classified by the United Nations criteria and the ADG Code for Dangerous Goods. These include chemicals such as Acetyl Acetone Peroxide, Methyl Ethyl Ketone Peroxides and Dibenzoyl Peroxide.

Special Features:

- Cabinets are fitted with a non latching door/s.
- Includes recessed handle without key lock facility.
- Includes magnetic catch that will release in the event of a build-up of pressure within the cabinet (as required by this Standard).



5530APO



5545APO

Model	Capacity	Doors	Shelves	Extra Shelf	External (mm)			Internal (mm)		
					Height	Width	Depth	Height	Width	Depth
5516APO	30kg or L	1	1	5517-29	770	515	465	525	420	370
5535APO	100kg or L	2	1	5535-29	770	935	620	495	840	530
5530APO	100kg or L	2	2	5545-29	1295	1115	500	1015	1020	415
5545APO	100kg or L	2	3	5545-29	1825	1115	500	1545	1020	415



Class 4 Dangerous Goods Cabinets

Indoor Class 4 Storage Cabinets comply with the new Standard AS/NZS 5026 "The Storage and Handling of Class 4 Dangerous Goods".

This range of cabinets is for the storage of Class 4 chemicals in liquid or solid form as classified by the United Nations criteria and the ADG Code for Dangerous Goods. Please refer to the Standard.

These include the following divisions:

- Flammable Solids
- Spontaneously Combustible
- Dangerous When Wet



5530AC4



5545AC4

Model	Capacity	Doors	Shelves	Extra Shelf	External (mm)			Internal (mm)		
					Height	Width	Depth	Height	Width	Depth
5516AC4	60kg or L	1	2	5517-29	770	515	465	525	420	370
5535AC4	100kg or L	2	1	5535-29	770	935	620	495	840	530
5530AC4	160kg or L	2	2	5545-29	1295	1115	500	1015	1020	415
5545AC4	250kg or L	2	3	5545-29	1825	1115	500	1545	1020	415

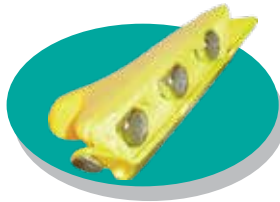
Features include:

- Comprehensive range of models
To suit wide variety of applications.
- Structural components made of 304 stainless steel
For strength and durability.
- 316 stainless steel stay-open valves
For dependable operation and performance.
- Shower head made of ABS plastic or optional 316 stainless steel
With a unique conical water pattern to gently deliver large volumes of water ensuring complete decontamination.
- Shower flow control regulator
Limiting shower output to 90 LPM.
- Interchangeable nozzles
For converting from an eye wash to an eye-face wash.

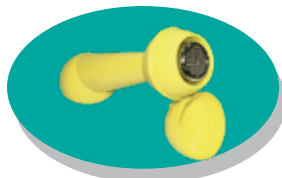


Showers & Eye Wash Stations are made of high quality stainless steel & durable plastic materials for a long & dependable life.

- Showers & Eye Wash Stations are made of high quality stainless steel & durable plastic materials for a long & dependable life.
- Whether manufacturing, handling or storing chemicals, it is essential to have the right emergency safety equipment available. Emergency Showers & Eye Wash Stations are recommended by Medical Practitioners, Standards and Workplace Regulations .
- All Emergency Showers and Eye Wash Stations designed and manufactured to comply and exceed the requirements of Australian Standard AS4775. This also makes them compliant to American ANSI Z358.1 Standards.



Aerostream Eye-Face Wash Nozzle

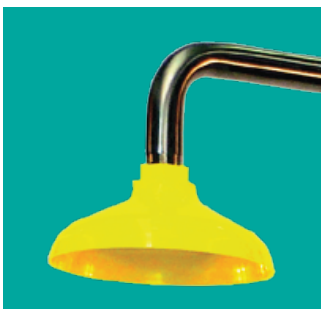


Aerostream Eye Wash Nozzle

Aerostream Technology

Eye-Face Wash and Eye Wash Nozzles deliver a gentle cascade of aerated water to rinse away contaminants without further damaging delicate eye and skin tissue.

- The Eye/Face Wash nozzle (top right) includes 3 aerators with a self closing dust cover. This acts as a deflector creating a sheet of aerated fluid which covers the whole face and eyes together. A nozzle is positioned on each side to provide full facial coverage.
- The Eye Wash nozzle (bottom right) includes 1 aerator with a protective dust cover. This provides a stream of aerated fluid which is directed at the eyes for maximum irrigation. A nozzle is positioned on each side to provide full coverage to both eyes..
- Note that the nozzles are interchangeable if required, as the base has the same mounting connections



Deluge Plastic Shower Head



Deluge Stainless Steel Shower Head



Aerostream Triple Nozzle (Aerated)



Aerostream Single Nozzle (Aerated)



▲ SE 505



▲ SE 480



▲ SE 545



▲ SE 546

Eye Wash Stations

Eye Wash Stations provide a soft flowing, single stream of aerated fluid to the eyes.

Eye Wash Stations are available in wall or pedestal mounted units, with or without bowl assembly, and with or without foot treadle activation. Each nozzle has a flip off dust cover.

Stainless steel construction provides superior long-life and reliability.



SE592A

SE590A

SE591A



▲ SE 5050



▲ SE 5000

Portable Units

With Pratt's Portable Units, you can have a safe workplace no matter where you are.

These portable units provide immediate on site water first aid treatment and are ideal for worksites without plumbing capabilities, as well as for fire and emergency teams, vehicles carrying dangerous substances and those working in remote places such as mining, agriculture and construction.

Pressurised Portable Eye and Body Wash Stations

With Pratt Pressurised Portable Eye and Body Wash Stations, you can have a safe workplace no matter where you are.

Pratt pressurised portable self-contained eye wash stations are essential for fire and emergency teams, drivers carrying dangerous substances, and those working in remote places in mining, agriculture and construction where plumbed water supply is unavailable.

These pressurised portable solutions help minimise an injury by providing an initial flush/ spray to the eyes, face and body.

Combination Showers & Eye Wash Stations

Convenience of one unit incorporating both a deluge shower and with an eye or eye-face wash with only one water supply connection required.

Shower and Eye Wash or Eye-Face Wash Stations, combine all of the features and benefits of the individual showers and eye washes in a single stand alone unit. Only one fluid supply connection is required. These are our most popular 9 models offering a comprehensive selection of 9 models in different configurations including eye wash or eye-face wash, with or without bowl and with or without foot treadle operation.

Shower Flow Control Regulator

Combination Shower Units are fitted with a flow control regulator, which limits the flow output to 90LPM. This ensures the shower will exceed the minimum required flow rate and allow the eye wash to operate simultaneously as required by the Standards.

Adjustable Eye Wash Flow Control

Eye-Face Wash and Eye Wash Stations incorporate an adjustable flow control. Other than model SE620, all units include an individual flow adjustment screw, located in the mounting base, which allows for the fine tuning of the flow output. Model SE620 features a central adjustable flow control, due to the twin nozzle design.



▲ SE 607T316



▲ SE 607

▲ SE 612



▲ SE612T316

EXP-SD-18G/85G

EXP-SD-18GS/85G

Outdoor Self-Draining Emergency Safety Shower

Self-draining emergency safety shower with open 316L stainless steel eye/face wash, suitable for hot climates. The design allows standing water to drain away from the standpipe to ensure the delivery of tepid water.

The valve is situated directly above the water inlet; the bleed pipe is fitted above this so standing water can drain into the ground preventing stagnant water overheating from solar radiation and removing the risk of further injury to the operator. Available with galvanised mild steel or 316L stainless steel pipework.



EXP-AH-5G/45G

EXP-AH-5GS/45G

Outdoor Self-Draining Emergency Safety Shower

Floor mounted unheated emergency safety shower with eye/face wash unit.

Eye/face wash orientation can be varied to suit clients' requirements. This ANSI compliant model is ideal for use in indoor applications not subject to the possibility of freezing or overheating. Available with either galvanised mild steel or stainless steel pipework.



BUILT FOR HEAVY LOADS AND CONVENIENT HANDLING

- High load capacity
- 100% polyethylene construction
- Compatible with a broad range of chemicals including acids, corrosives, fuels and oils
- Nestable design allowing multiple pallets to be shipped or stored.
- Removable grate allows easy access to clean bund sump
- Forkliftable

1011

SPILL PALLET STANDARD 2 DRUM

Sump: 249 litres
Max load: 1,364 kg
Height: 419 mm
Width: 1,346 mm
Depth: 737 mm
Weight: 29 kg
Storage: 2 drum



1235

SPILL PALLET STANDARD 4 DRUM

Sump: 249 litres
Max load: 2,727 kg
Height: 254 mm
Width: 1,295 mm
Depth: 1,295 mm
Weight: 36 kg
Storage: 4 drum



ECONOMICAL AND PORTABLE CONTAINMENT FOR IBCs

- Suitable for intermediate bulk containers (IBCs), drums or other large vessels. All substances stored must be compatible.
- 100% polyethylene construction
- Removable grate allows easy access to clean bund sump
- Built for heavy loads and convenient handling
- High load capacity
- Forkliftable

1158

IBC SPILL PALLET 1 TANK

Sump: 1,362 litres
Max load: 3,864 kg
Height: 660 mm
Width: 1,570 mm
Depth: 1,570 mm
Weight: 115 kg
Storage: 1 Tank



1144

IBC SPILL PALLET TWIN SIDE BY SIDE 2 TANK

Sump: 2,022 litres
Max load: 3,636 kg
Height: 559 mm
Width: 1,565 mm
Depth: 3,162 mm
Weight: 206 kg
Storage: 1 Tank



COMPATIBLE WITH A BROAD RANGE OF CHEMICALS INCLUDING ACIDS, CORROSIVES, FUELS AND OILS

- 100% polyethylene construction
- Forkliftable
- Removable grate allows easy access to clean bund sump
- Nestable design allowing multiple pallets to be shipped or stored.

1321

SPILL PALLET PLUS 1 DRUM

Sump: 42 litres
Max load: 700 kg
Height: 150 mm
Width: 680 mm
Depth: 680mm
Weight: 5.5 kg
Storage: 1 Drums



1072

SPILL PALLET PLUS 4 DRUM

Sump: 167 litres
Max load: 2,722 kg
Height: 146 mm
Width: 1,321 mm
Depth: 1,321 mm
Weight: 32 kg
Storage: 4 Drums



2AA PROPOLYMER® HAZ-LO

This small handheld flashlight is durable, waterproof and intrinsically safe. It also uses affordable, easy-to-find alkaline batteries.

Approvals:

- Safety Ratings: ATEX, IECEx, SGS, Division 1, MSHA, Intrinsically Safe
- C-SGS-US Class I, II, Division 1, Groups A, B, C, D, E, F, G; Class III; T-Class: T4 (approved for use with Energizer E91, Duracell MN1500 and Rayovac NO.815).
- MSHA Permissible Flashlight. Approval No. 20-A140002-0. Tested for Intrinsic Safety in Methane-Air mixtures only. (approved for use with Energizer E91, Duracell MN1500 and Rayovac NO.815)
- Most models meet applicable European Community Directives.



Specification	
High Lumens	65 lumen
Run Time on High	24 hours
Run Time on Low	
Beam Distance	96 m
Max Candela	2,300 candela
Battery Styles	Non-Rechargeable
Battery Types	AA Alkaline
Battery Quantity	2
Length	16.26 cm
Weight	102.06 g
Colors	Yellow, Black

DUALIE® 3AA

See what's ahead of you and right in front of your feet with the Dualie Rechargeable. Its bright light, which shines both ahead of you and downward, helps you avoid slips, trips and falls.

Approvals:

- IPX7 rated; waterproof to 1 meter for 30 minutes; 2m impact resistance tested.
- Class I, II, Division 1, Groups A, B, C, D, E, F, G; Class III; CL I, ZN 0, IIC; Exia; T-Code: T4
- Permissible Handheld Flashlight. Approval No. 20-A160001-0 - Tested for Intrinsic Safety in Methane-Air mixtures only.



Specification	
High Lumens	245 lumen
Run Time on High	18 hours
Run Time on Low	
Beam Distance	171 m
Max Candela	7,300 candela
Battery Styles	Non-Rechargeable
Battery Types	AA Lithium, AA Alkaline
Battery Quantity	3
Length	17.78 cm
Weight	192.78 g
Colors	Yellow, Black

PROTAC® HL-X

ProTac HL-X is available two ways: The ProTac HL-X USB is a complete rechargeable system that includes our new 18650 USB battery with an integrated USB charge port. The ProTac HL-X includes two CR123A lithium batteries. Both feature MULTI-FUEL innovation that allows them to accept Streamlight's 18650 USB battery or CR123A lithium batteries, ensuring you'll always have a beam when you need it.

Approvals:

- IPX7 waterproof.
- Most models meet applicable European Community Directives.



Specification	
High Lumens	1,000 lumen
Run Time on High	20 hours
Run Time on Low	
Beam Distance	96 m
Max Candela	27,100 candela
Battery Styles	Non-Rechargeable
Battery Types	CR123A Lithium, 18650 Lithium Ion
Battery Quantity	1-2
Length	13.79 cm
Weight	161.59 g - 175.77 g
Colors	Black

3C PROPOLYMER® HAZ-LO

This feature-laden, safety approved flashlight was designed to meet the stringent requirements of ANSI/UL 913 CAN/CSA C22.2 No. 157-92 intrinsically safe equipment for use in hazardous locations.

Approvals:

- Safety Ratings: ATEX, IECEx, Canada UL Listed, UL Listed, Division 1, MSHA, InMetro, Intrinsically Safe
- C-UL-US Classified Class I, Division 1, Groups A,B,C,D; Class II, Division 1, Groups E,F,G; Class III; Exia; Temperature Code T4. Most models meet applicable European Community Directives
- MSHA Permissible Flashlight. Approval No. 20-A130003-0 Tested for Intrinsic Safety in Methane-Air mixtures only.
- ATEX: FTZU 11 ATEX 0183X; II 1G Ex ia IIC T4 G4; II 1D Ex ia IIIC T99C Da.
- IECEx: IECEx FTZU 14.0011X; Ex ia IIC T4 G4; Ex ia IIIC T99°C Da.
- InMetro UL-BR 12.0516X; Ex ia IIC T4 G4; Ex ia IIIC T99°C.



Specification	
High Lumens	150 lumen
Run Time on High	18 hours
Run Time on Low	
Beam Distance	167 m
Max Candela	7,000 candela
Battery Styles	Non-Rechargeable
Battery Types	C Alkaline
Battery Quantity	3
Length	23.62 cm
Weight	192.78 g
Colors	Orange

4AA PROPOLYMER® LUX DIVISION 1

Provides a longer reaching, brighter beam that's 10 times brighter than a high-intensity LED. Ergonomically shaped for maximum hand comfort.

Approvals:

- IP67 Ingress Protection.
- Most models meet applicable European Community Division 1:
- UL Listed Class I, Division 1, Groups C & D; Class I, Division 2, Groups A,B,C,D; Class II, Division 1, Groups F & G; Class III; Exia; Temperature Code T4. MSHA: Permissible Flashlight; Approval No.20-A060002-0; Tested for use in Methane-Air mixtures only.
- Division 2:
- UL Listed Class I, Division 2, Groups A, B, C & D; Class II, Division 2, Groups F & G; Class III; Temperature Code T3C.



Specification	
High Lumens	100 lumen
Run Time on High	6 hours
Run Time on Low	
Beam Distance	130 m
Max Candela	4,200 candela
Battery Styles	Non-Rechargeable
Battery Types	AA Alkaline
Battery Quantity	4
Length	17.78 cm
Weight	213.19 g
Colors	Yellow, Black

STINGER DS® LED

Dual switch technology provides both a tail cap and a head-mounted switch. Switches operate independently.

Approvals:

- IPX4 water-resistant; 1 meter impact resistance tested.
- Most models meet applicable European Community Directives.



Specification	
High Lumens	350 lumen
Run Time on High	2 giờ
Run Time on Low	7.25 hours
Beam Distance	310 m
Max Candela	24,000 candela
Battery Styles	Rechargeable
Battery Types	Nickel-Cadmium, Nickel-metal Hydride
Battery Quantity	1
Length	22.48 cm
Weight	362.87 g
Colors	Black

PROTAC® 2AA

Using two alkaline batteries, the ProTac 2AA is a versatile personal carry light the size of a marker that now produces 250 lumens of bright light.

Approvals:

- IPX7 waterproof to 1 meter for 30 minutes; 2 meter impact resistance tested
- Meets applicable European Community directives.



Specification	
High Lumens	250 lumen
Run Time on High	43 hours
Run Time on Low	
Beam Distance	130 m
Max Candela	4,250 candela
Battery Styles	Non-Rechargeable
Battery Types	AA Alkaline
Battery Quantity	2
Length	15.60 cm
Weight	96.19 g
Colors	Black

SURVIVOR® - ATEX

Rated for Zone 0 with a low-profile bezel that doesn't interfere with gear and equipment. The clip securely grabs onto gear, and the reinforced D-ring allows your light to hang forward.

Approvals:

- Safety Ratings: ATEX, IECEx, InMetro, Intrinsically Safe
- ATEX/IECEX FTZU 15 ATEX 0046X; IEC Ex FTZU 15.0029X II 1G Ex ia IIB T3/T4 Ga; II 2G Ex ia IIC T3/T4 Gb
- InMetro DNV 16.0014X Ex ia IIB T3/T4 Ga; Ex ia T3/T4 Gb (T-Class T4: Streamlight pack 90316, AA type Energizer L91 Lithium, Rayovac 815 or Duracell MN1500. T-Class T3: AA type Energizer E91 Alkaline, Panasonic LR6XP or Panasonic LR6XWA)
- Charger meets requirements of NFPA 1901-14.1.10.2 (2016) mounted in any position



Specification	
High Lumens	175 lumen
Run Time on High	10 hours
Run Time on Low	
Beam Distance	405 m
Max Candela	41,000 candela
Battery Styles	Non-Rechargeable, Rechargeable
Battery Types	AA Alkaline, AA Lithium, Cell Pack, Lithium Ion
Battery Quantity	1-4
Length	17.93 cm
Weight	354.37 - 388.39 g
Colors	Orange

VULCAN® LED-ATEX

ATEX-rated for Zone 2 gas and Zone 22 dust locations. This rechargeable LED lantern is lightweight, weighing only 875 grams. Its tight beam is optimal for firefighting applications.

Approvals:

- ATEX: II 3G Ex ic nA IIC T5 Gc II 3D Ex tc IIIC T54°C Dc FTZU 08 ATEX 0139X.
- IECEX: Ex ic nA IIC T5 Gc Ex tc IIIC T54°C Dc IECEx FTZU 15.0038X.
- InMetro Ex n A ic IIC T5 Gc Ex tc IIIC T54° C Dc IP66 DNV 16.0076X.
- Rack meets requirements of NFPA 1901-14.1.11.2 (2003) mounted in any position.



Specification	
High Lumens	180 lumen
Run Time on High	7,5 hours
Run Time on Low	
Beam Distance	632 m
Max Candela	100,000 candela
Battery Styles	Rechargeable
Battery Types	Lithium Ion
Battery Quantity	2
Length	19.76 cm
Weight	875.43 g
Colors	Orange

STYLUS® PENLIGHT

This bright, long-running LED penlight has a long battery life, and goes anywhere you need it.

Approvals:

- Class I, Division 1, Groups A, B, C, D, T3C Exia
- II 2G Ex ia op is IIB T2 Gb - FTZU 11 ATEX 0057X
- Ex ia op is IIB T2 Gb - IECEx FTZU 15.0026X
- Most models meet applicable European Community Directives.



Specification	
High Lumens	11 lumen
Run Time on High	24 hours
Run Time on Low	
Beam Distance	24 m
Max Candela	140 candela
Battery Styles	Non-Rechargeable
Battery Types	AAAA Alkaline
Battery Quantity	3
Length	15.77 cm
Weight	28.35 g
Colors	Black

FIRE VULCAN® LED

This lightweight rechargeable LED lantern is a critical firefighting tool that will even float in water! Its bright beam of light reaches long distances while still providing optimum peripheral illumination to aid navigation, and two blue taillight LEDs make certain you can be seen by your partners in thick smoke.

Approvals:

- Safety Ratings: SGS, IPX7.
- USTC Class I, Div. 2, Grps. A,B,C,D; Class II, Div. 2, Grps. F,G; Class III T-Code: T4
- Most models meet applicable European Community Directives.
- Rack meets requirements of NFPA 1901-14.1.10.2 (2016) mounted in any position.



Specification	
High Lumens	145 lumen
Run Time on High	6 hours
Run Time on Low	
Beam Distance	566 m
Max Candela	80,000 candela
Battery Styles	Rechargeable
Battery Types	Lithium Ion
Battery Quantity	1
Length	19.05 cm
Weight	839.15 g
Colors	Orange

VULCAN® 180 LED

The lightest portable lantern of its kind, the Vulcan 180 is designed to burn brighter and run longer to keep you covered on the job site. This rechargeable, waterproof lantern has a 180 degree tilting head which allows you to direct the light where you need it. Three C4 LEDs bring you extreme brightness along with two blue taillight LEDs for visibility from behind.

Approvals:

- IPX7 waterproof to 1m submersion; 2m impact resistance tested
- Class I, Division 2 Groups A, B, C, D; Class II Division 2 Groups F, G; Class III; Temperature Class T4.
- Rack meets requirements of NFPA 1901-14.1.10.2 (2016) mounted in any position
- Meets applicable European Community Directives



Specification	
High Lumens	1,200 lumen
Run Time on High	12 hours
Run Time on Low	
Beam Distance	
Max Candela	75,000 candela
Battery Styles	Rechargeable
Battery Types	Lithium ion
Battery Quantity	3
Length	18.87 cm
Weight	1120.37 g
Colors	Yellow

SIEGE® AA

A low-profile, Zone 0 rated headlamp. Three lighting modes cover a variety of tasks: spot for a focused beam, flood for soft area illumination that won't tire your eyes and spot/flood combo for even more light output.



Approvals:

- Class I, II, Division 1, Groups A, B, C, D, E, F, G; Class III; Class 1, Zone 0, Group IIC, Exia; T-Code: T4 (approved for use with Energizer E92, Duracell MN2400, Rayovac NO.824, and Panasonic LR03PA) Permissible Flashlight, Approval No. 20-A190001-0. Tested for Intrinsic Safety in Methane-Air mixtures only. (approved for use with Energizer E92, Duracell MN2400 and Rayovac NO.824)
- ATEX: II 1G Ex ia op is IIC T4 Ga – FTZU 18 ATEX 0101X IECEX: FTZU 19.0003X
- Meets applicable European Community Directives.

Specification	
High Lumens	235 lumen
Run Time on High	4.75 hours
Run Time on Low	5.00 hours
Beam Distance	73 meters
Max Candela	1,320
Battery Styles	Non-Rechargeable
Battery Types	AAA Alkaline
Battery Quantity	3
Length	5.56 cm
Weight	99.22 g
Colors	Orange

3AA HAZ-LO®

We engineered this compact, long-running, high-performance headlight to meet the stringent requirements of Division 1 hazardous locations while maintaining exceptional light output and a long run time.



Approvals:

- UL, C-UL Classified Class 1, Division 1, Groups A,B,C,D, Class II, Division 1, Groups E,F,G Class III, Temperature Code: T4.
- Safety Ratings: Canada UL Listed, UL Listed, Division 1, MSHA, Intrinsically Safe. MSHA: Permissible Portable Headlight Assembly; Approval No. 20-A070001-0. Tested for use in Methane-air mixtures only.
- Most models meet applicable European Community Directives. Optional ATEX Standard

Specification	
High Lumens	50 lumen
Run Time on High	11 hours
Run Time on Low	
Beam Distance	165 m
Max Candela	6,800 candela
Battery Styles	Non-Rechargeable
Battery Types	AAA Alkaline
Battery Quantity	3
Length	7.82 cm
Weight	201.28 g
Colors	Orange

PROTAC HL® USB

The HL® Series now has a hands-free, USB rechargeable lighting solution! When your task requires both hands and a bright light with a wide, flood beam, reach for the ProTac HL USB Headlamp. Charge on-the-go using almost any USB source, and since it accepts multiple battery sources as a backup, you'll always have power when you need it.



Approvals:

- IPX4 water-resistant; 2m impact resistance tested
- Most models meet applicable European Community Directives.

Specification	
High Lumens	1,000 lumen
Run Time on High	20 hours
Run Time on Low	
Beam Distance	232 m
Max Candela	13,500 candela
Battery Styles	Non-Rechargeable, Rechargeable
Battery Types	Lithium Ion Cell Pack, 18650 Lithium Ion
Battery Quantity	1
Length	23.37 cm
Weight	654.87
Colors	Yellow

3AA PROPOLYMER® HAZ-LO

Universal lighting kit fits both traditional and modern style firefighting helmets. It is a low-profile, lightweight, economical alternative for securely mounting a flashlight to almost any style fire helmet.



Approvals:

- Safety Ratings: ATEX, IECEX, Canada UL Listed, UL Listed, Division 1, MSHA, InMetro, Intrinsically Safe
- C-UL-US Classified Class I, Division 1, Groups A,B,C,D; Class II, Division 1, Groups E,F,G; Class III; Exia; Temperature Code T4.
- Most models meet applicable European Community Directives

Specification	
High Lumens	120 lumen
Run Time on High	6,5 hours
Run Time on Low	
Beam Distance	237 m
Max Candela	14,000 candela
Battery Styles	Non-Rechargeable
Battery Types	AA Alkaline
Battery Quantity	3
Length	17.78 cm
Weight	212.62 g
Colors	Yellow

Scene Light II RECHARGEABLE HIGH LUMEN SCENE LIGHT

- Produces a high lumen flood pattern
- Five intensity levels correspond to desired run time
 - 100%: 10,000 lumens; runs 2 hours
 - 80%: 8,300 lumens; runs 2.75 hours
 - 60%: 6,300 lumens; runs 3.75 hours
 - 40%: 4,500 lumens; runs 5.75 hours
 - 20%: 2,300 lumens; runs 11 hours
- Multi-level illumination for scene lighting; head swivels 360° to aim the beam where you need it
 - Stackable for "light tower" capability
 - Lithium ion batteries charge in 6 hours
 - Batteries will continue to charge while in use when plugged in; runs indefinitely using AC or DC power cord
- IP67 rated; dust-tight and waterproof to 1m for 30 minutes
- High-impact, thermoplastic housing mounted in a virtually indestructible alloy steel frame
- Hooked feet for hanging over doors, guard rails, fences, etc.
- Compact size (16x11x12 in; 40.6x28.9x30.5 cm); 15.38 lbs. (6.1 kg)



Scene Light EXT PORTABLE, RECHARGEABLE SCENE LIGHT

- Produces a uniform flood pattern; selectable diffuser settings for two beam widths; three user-selectable outputs:
 - High for a super-bright flood beam: 5,300 lumens; 410m beam; runs 4 hours
 - Medium for an intense beam and longer run time: 2,500 lumens; 292m beam; runs 9 hours
 - Low for when a less intense beam is ideal and for longer run times: 1,300 lumens; 215m beam; runs 18 hours
- Optimum peripheral illumination for scene lighting; head swivels 90° to aim the beam where you need it for task lighting
- Sealed lead acid batteries rechargeable up to 500 times
- Batteries will continue to charge while operating from dedicated power source; runs indefinitely using AC or DC power cord
- Balanced design and easy setup; less than 30 seconds for full deployment; pole extends to 84" (213.36 cm)
- IP67 rated; dust-tight and waterproof to 1m for 30 minutes.
- Designed to resist 40mph wind continuous in all directions with head fully extended
- 25.5 lbs (11.6 kg) provides weight stabilization, but is light enough to carry
- Packs to a compact size (25.5"; 64.8 cm) for easy stowage



COPPUS CADET® Vaneaxial

These versatile, rugged and economical ventilators deliver exceptional air flow in a compact, lightweight design—and their non-corrosive injection-molded housing is nearly indestructible. They are ideal for utility underground and light manufacturing confined space ventilation and are available in a variety of models.

Features / Advantages:

- Flame-resistant injection-molded housing
- Glass-filled, polyester resin, spark-resistant fan blade
- Accommodates 8 in (203 mm) flexible duct
- 60Hz/50Hz AC motors
- Hazardous location motors NEC Class/Div1



Model VAC



Model VEP

Vaneaxial Model								Performance Through 90-Degree Bend(S)					
Model	Drive (Electric)	Motor	HP	Weight		Free Air		1-90 degree		2-90 degree		3-90 degree	
				lbs	kg	cfm	m³/hr	cfm	m³/hr	cfm	m³/hr	cfm	m³/hr
VAC1	115V/60Hz	TE	1/2	35	16	867	1,465	776	1,318	766	1,301	756	1,284
VAC2	110V/50Hz	TE	1/2	35	16	804	1,358	730	1,240	720	1,223	710	1,206
VAC3	230V/60Hz	TE	1/2	35	16	867	1,465	776	1,318	766	1,301	756	1,465
VAC4	220V/50Hz	TE	1/2	35	16	804	1,358	730	1,240	720	1,223	710	1,206
VEP1	115V/60Hz	PE	1/2	40	19	867	1,465	776	1,318	776	1,301	756	1,284
VEP2	110V/50Hz	PE	1/2	40	19	804	1,358	730	1,240	720	1,223	710	1,206
VEP3	230V/60Hz	PE	1/2	40	19	867	1,465	776	1,318	766	1,301	756	1,284
VEP4	220V/50Hz	PE	1/2	40	19	804	1,358	730	1,240	720	1,223	710	1,206

COPPUS AIR MAX 12

This 12 in (305 mm), lightweight, rugged blower delivers up to 2,200 cfm (3,740 m³/hr) for confined space ventilation and fresh air supply.

Features / Advantages:

- Free air: 2,200 cfm (3,740 m³/hr).
- Weight: 44 lbs (18.14 kg).
- Rugged, all-steel housing construction.
- Integral on/off motor switch.
- Fixed guide vanes for improved performance.
- Glass-reinforced, polypropylene, non-sparking fan blade.
- 20 ft (6.1 m) cord.
- Anti-vibration foot pads.
- Available with TE motors only; not for use in hazardous areas.



FREE AIR DECIBEL LEVEL

Model	dBA
Air Max 12	74

Air Flow Through Duct (Straight Runs)

Model	Free Air		10 foot (3 m)		20 foot (6 m)		30 foot (9 m)		
	cfm	m³/hr	cfm	m³/hr	cfm	m³/hr	cfm	m³/hr	
Air Max 12	50 Hz	1,827	3,105	1,247	2,770	1,191	2,650	1,112	2,470
	60 Hz	2,200	3,740	2,120	3,602	2,025	3,440	1,890	3,211

COPPUS TA16

The unique fan blade design not only allows exceptionally high air volume but also maximizes static pressure for better performance through longer runs of air duct. Typical ventilation applications include large tanks, tunnels, towers, and shipboard compartments; this fan is also ideal for product and process cooling.

Features / Advantages:

- TE or EP motor
- Thermal overload protection
- Powder-coated, heavy-gauge steel housing
- Cast-aluminum fan blade provides spark-resistance
- Skid-mounted for stability (optional casters available)
- Duct can be connected at inlet and outlet ends
- Optional caster kit available



FREE AIR DECIBEL LEVEL

Model	dBA
TA16	96

Air Flow Through Flexible-Duct (Straight Runs)

Model	Free Air		10 foot (3 m)		20 foot (15 m)		30 foot (30 m)		
	cfm	m³/hr	cfm	m³/hr	cfm	m³/hr	cfm	m³/hr	
TA16-5500-2HP	50 Hz	4,583	7,788	4,029	6,846	3,617	6,149	3,229	5,488
TA16-5500-2HP	60 Hz	5,500	9,345	4,835	8,215	4,340	7,379	3,875	6,585

COPPUS

VANO® 175CV & 250CV

COPPUS ventilators revolutionized air moving equipment more than 60 years ago with the introduction of the VANO models. The VANO models offer a fixed guide vane design that delivers high volumes of air while maintaining static pressure for exhausting fumes and delivering fresh air. A rugged, durable, high-performance design makes the VANO models ideal for ventilating tanks, process vessels, tank cars, manholes and other confined spaces.

Features / Advantages:

- Straightening fixed guide vanes for improved static pressure performance.
- Accepts ducting at inlet and outlet ends.
- Converts to exhaust fumes from bottom of tanks.
- Available with totally enclosed (TE) or explosion-proof (EP) motors and compatible switch, all models supplied with 15 ft (4.572 m) power cord.
- Heavy-gauge, powder-coated steel and cast aluminum construction.
- Spark-resistant fan blades.
- Automatic thermal overload protection standard on VANO 175CV and 250CV models.
- Optional tripod and transport cart.



Hazardous Location Models

VANO models are available with hazardous location (EP*) motors that meet NEC Class I, Division I, Group D and Class II, Division I, Groups E, F, G specifications.

FREE AIR DECIBEL LEVEL	
Model	dBA
VANO 175CV	90
VANO 250CV	92

Air Flow Through Duct (Straight Run)

Model		Free Air		10 foot (3 m)		20 foot (3 m)		30 foot (15 m)		50 foot (30 m)	
		cfm	m³/hr	cfm	m³/hr	cfm	m³/hr	cfm	m³/hr	cfm	m³/hr
175CV	60 Hz	1,500	2,549	1,400	2,379	1,300	2,209	1,200	2,039	1,080	1,835
250CV	60 Hz	3,000	5,098	2,940	4,995	2,620	4,452	2,480	4,214	2,300	3,908
175CV	50 Hz	1,250	2,124	1,167	1,983	1,083	1,841	1,000	1,699	900	1,529
250CV	50 Hz	2,500	4,248	2,450	4,163	2,183	3,710	2,067	3,512	1,917	3,257

COPPUS

DOUBLE-DUTY HEAT KILLER

With airflows up to 17,000 cfm (28,890 m³/hr) the Double-Duty™ Heat Killer (DDHK) is one of the most powerful and versatile portable air movers on the market today. The patented, adjustable guide vane design allows air flow control—from a gentle breeze for personnel cooling, to a concentrated jet blast for product and process cooling.

Features / Advantages:

- Adjustable guide vanes allow varied air movement from a gentle breeze to a jet blast
 - Available in 24 in (610 mm) and 30 in (762 mm) models
 - Available in floor stand or wall mount models
 - Heavy-duty, rugged steel housing and frame
 - Protective screens meet OSHA guidelines
 - Available with TE and EP motors
 - Hazardous location switches and motors meet NEC Class I, Division I, Group D and Class II, Division I, Groups F and G specifications
 - Thermal overload protection on motors
- * Note: All model do not include plug



ADJUSTABLE GUIDE VANES

Adjustable guide vanes create a number of airflow patterns from gentle breeze to jet blast. Most efficient air flow can be determined by positioning guide vanes during operation.

FREE AIR DECIBEL LEVEL	
Model	dBA
24K07D	79
24K10D	85
30K30D	92

Air Flow Through Duct (Straight Run)

Model		Free Air		10 foot (3 m)		30 foot (9 m)		50 foot (15 m)		70 foot (21 m)		90 foot (27 m)	
		cfm	m³/hr	fpm	m/min	fpm	m/min	fpm	m/min	fpm	m/min	fpm	m/min
24K10D JB		7,997	13,595	1,410	428	707	215	471	143	295	89	156	47
24K10D DF	50 Hz	7,997	13,595	564	171	316	96	236	72	194	59	-	-
30K30D JB		15,988	27,180	2,116	645	940	286	846	258	658	200	447	136
30K30D DF		15,988	27,180	1,204	367	489	150	320	98	292	89	-	-

COPPUS

JECTAIR HP STANDARD

The unmatched performance of the COPPUS Jectair® HP is recognized throughout the industry. When compared with older-style air horns, the patented air mixing chamber of the Jectair® HP can produce up to a 40:1 air flow conversion and up to 26 percent savings on compressed air consumption.

Features / Advantages:

- Available in five sizes: 3S-HP, 3-HP, 6-HP, 8, or 9 Standard
- High-performance (HP) and Hornet models available in three sizes: 3S-HP, 3-HP and 6-HP
- Air flows range from 1,370 to 8,900 cfm (2,328 to 15,121 m³/hr)
- Induction ratios up to 40:1
- Multiple expansion nozzles machined into housing
- High static pressure capabilities
- Diffuser material available in steel, aluminum or shock-resistant polymer (Hornet HP)
- No moving parts (virtually maintenance-free)
- Static bonding cable (standard on all models) with spring tension grip and replaceable contact tips



COPPUS

JECTAIR HORNET

The Jectair Hornet HP features a lightweight, shock-resistant, conductive polymer diffuser that is virtually indestructible.

Features / Advantages:

- Available in three sizes: 3S-HP, 3-HP and 6-HP. Polymer safely dissipates static electricity charges
- Diffuser is constructed of linear low-density polyethylene, rated UL 94 with maximum operating temperature of 160° Fahrenheit (93° Celsius)



Efficiency At Select Inlet Pressures

Inlet Pressure	Model	Air Flow cfm (m³/hour)	Air Consumed (cfm)	Induction Ratio
60 psig 4.2 kg/cm²	3S-HP	1,370 (2,328)	47 (80)	29.1
	3-HP	1,520 (2,595)	47 (80)	32.3
	6-HP	3,980 (6,762)	98 (167)	40.6
	8	5,600 (9,515)	178 (302)	31.5
	9	6,880 (11,096)	265 (450)	25.8

Efficiency At Select Inlet Pressures

Inlet Pressure	Model	Air Flow cfm (m³/hour)	Air Consumed (cfm)	Induction Ratio
100 psig 7 kg/cm²	3S-HP	1,660 (2,820)	72 (122)	23.0
	3-HP	1,860 (3,160)	72 (122)	25.8
	6-HP	4,870 (8,274)	153 (260)	31.8
	8	6,750 (11,469)	282 (479)	23.9
	9	8,900 (15,121)	410 (697)	21.7

Efficiency At Select Inlet Pressures

Inlet Pressure	Model	Air Flow cfm (m³/hour)	Air Consumed (cfm)	Induction Ratio
80 psig 5.6 kg/cm²	3S-HP	1,530 (2,600)	61 (104)	25.1
	3-HP	1,700 (2,888)	61 (104)	27.8
	6-HP	4,500 (7,645)	126 (214)	35.7
	8	6,250 (10,620)	233 (396)	26.8
	9	8,000 (13,592)	366 (571)	23.8

COPPUS

CP 20

This powerful fan is designed for fast and thorough degassing, ventilating or cooling of large process vessels such as columns, towers, reactors, scrubbers, furnaces, and storage tanks.

Features / Advantages:

- Delivers air flow up to 11,200 cfm (19,029 m³/hr)
- Can be used as blower or exhauster
- Fits 20 in (508 mm) API tank opening
- Cast aluminum housing and fan blade
- Stainless steel turbine buckets
- Separate stainless steel nozzles for high- or low-pressure operation
- Fan assembly shaft rotates on permanently sealed ball bearings
- Stationery expansion nozzles



AIR AND STEAM DRIVEN

ITEM	PSIG	dBA
CP 20	80	108
CP 20	60	107
CP 20	40	105

COPPUS

REACTION FAN

Rugged, cast aluminum housing and fan blade make these fans ideal for hazardous locations and demanding ventilation projects. The RF design uses action-reaction principles; compressed air is discharged through nozzles located at the tip of the fan blade providing extremely efficient, high-volume, low-maintenance air movers.

RF-12, RF-16

Features / Advantages:

- 2,100 to 5,100 cfm (3,566 to 8,665 m³/hr) at 80 psig
- Use for fresh air supply or fume exhaust
- Low compressed air consumption
- Spark-resistant, cast-aluminum housing and fan blade
- Virtually maintenance free
- Permanently lubricated bearings eliminate line oiler
- Cast-in handles and feet
- Cast-in bead to accept 12 in (305 mm) and 16 in duct (406 mm)
- Bolt holes allow optional adapter plates attachment



RF-20, RF-24

Features / Advantages:

- 11,000 to 16,900 cfm (18,689 to 28,713 m³/hr) at 80 psig*
- Use for fresh air supply or fume exhaust
- Can be carried or rolled to job site
- Spark-resistant cast aluminum housing and fan blade
- Permanently lubricated bearings
- Flanges mate with 20 in (508 mm) and 24 in (610 mm) API tank openings

Air Flow Through Flexible Duct At 80 psig. Unit:cfm (m ³ /hr)							Free Air Operating Data						
Model	Duct Dia. (inch)/(mm)	Straight Length Of Duct					Inlet Pressure		Air Consumption		Total Air Flow		Delivery Ratio
		20 ft(6m)	30 ft(9m)	40 ft(12m)	50 ft(15m)	100 ft(31m)	(psig)	(kg/cm ²)	(scfm)	(m ³ /hr)	(scfm)	(m ³ /hr)	
RF-12	12/305	2,020 (3,433)	1,960 (3,331)	1,910 (3,246)	1,870 (3,178)	1,680 (2,855)	80	5.6	61	104	2,140	3,636	35
RF-16	16/406	4,850 (8,241)	4,750 (8,071)	4,600 (7,816)	4,550 (7,731)	4,150 (7,052)	80	5.6	144	246	5,100	8,665	35
RF-20	20/508	-					60	4.2	160	271	7,000	11,893	59
							80	5.6	210	375	11,000	18,689	53
RF-24	24/610	-					60	4.2	324	550	14,600	24,804	45
							80	5.6	400	680	16,900	28,713	42

Swing-out assembly for RF-20/24 and CP-20

Personnel and equipment egress or entrance to tanks and vessels can be achieved quicker, easier and safer with the RF-20/24 and CP-20 swing-out models; mounts to standard API 20 in (508 mm) or 24 in (610 mm) tank openings. Swing-out gate (constructed of cast aluminum) is held in closed position with industrial strength hook and loop fastener that can be opened and closed easily by pulling or pushing.



Accessories



Duct Canister

Extend the life of your duct with the protection of a COPPUS high-density, light-weight polyethylene canister; makes transporting and storage easier and safer.

- Canisters for available duct sizes:
- 8 in x 25 ft (203 mm x 7,500 mm)
 - 12 in x 20 ft (305 mm x 6,000 mm)
 - 16 in x 30 ft (406 mm x 9,000 mm)



Flexible Air Duct

A large selection of flexible air duct for a variety of ventilation applications is available. Our most popular heavy-duty duct features impregnated polyester material designed for harsh, industrial environments. Other options include economical light-duty duct, source capture duct and hazardous location, antistatic duct.



Jectair Tripod

For stationary, long-term use; rotates 360 degrees for precise direction of air-flow and accommodates 3-HP and 6-HP Jectair sizes. Installs quickly and easily with two quick-release clamps. Large feet provide stability during operation, and spring-loaded legs fold up for easy transport and storage.



Transport Cart

Heavy-duty cart allows easier transportation of VANO 175CV and 250CV ventilators (which can remain on cart during operation); includes crane-lifting loop. Weight: 25 lbs (11kg)



Vano Tripod

Attaches to VANO 175CV or 250CV model; makes positioning of units and direction of airflow easier by rotating 360 degrees on a 45-degree plane; spring-loaded legs fold up for easy transport and storage. Weight: 19 lbs (9kg)



WV-10 WORK VEST

Durability: The closed-cell floatation foam will not absorb water if cut or punctured. The tough, glexible vinyl coating resists caustics, acids, UV lights, hydrocarbons, mildew, fading, drilling mud, tears and abrasions. Reflective Tape is the option.
Safety:
 USCG approval no. 160.053/70/0



RB30S TYPE IV RING BUOYS

RB30S meets SOLAS requirements with International orange and reflective tape. The shell is made of tough high density polyethylene that is U.V. stabilized. With 100% foam filling, the buoy will not absorb water if torn or punctured. The floating polypropylene grab line can be easily replaced in the field. Buoys are available in international orange only.



DECKVEST 5D PRO SENSOR

The complete lifejacket harness for all sailors, the 5D has been ergonomically designed to fit comfortably and sit on the shoulders, keeping away from the neck and waist for full freedom of movement. Includes everything sailors require for offshore sailing including sprayhood, red lifting strop, approved lifejacket light and award winning bladder illumination lights.



DECKVEST 6D LIFEJACKET

- 170N Buoyancy
- One Size
- UML Pro Sensor Elite activation system
- Improved front opening buckle with smooth body adjuster system
- Enhanced shoulder fit system for the perfect fit – every time – all day
- Enhanced back profile for clean, unobtrusive look and fit
- Hard-wearing coated fabrics in key areas
- New sprayhood design with large clear structured visor – stored away from neck



DURO SOLAS LIFEJACKET

DURO SOLAS life jacket – 275N Twin chamber lifejacket that is often used commercially in wind farms, superyachts and oil rigs where SOLAS approved lifejackets are required. Designed to be worn together with most fall arrest harnesses, the DURO SOLAS lifejacket fits comfortably over layers of workwear, the unique shape allows freedom of movement and reduced bulk.



NM102 NOISE METER

- Large, clear display with back-light
- 30 to 130 dB(A) Auto Ranging
- Fast and Slow time weighting
- Maximum and Minimum sound level readings
- Hold button holds the currently displayed level
- Includes Wind Shield, Carrying Case and Battery
- Display: 4 Digit LCD with back light, update rate 0.5s.
- Frequency Weighting: A and C
- Time Weighting: Fast (125ms) and Slow (1s)
- Dynamic Range: 50 dB
- Battery Life: About 50 hours (alkaline battery)
- Temp. & Humidity: 5°C to 40°C, below 80% RH
- Dimensions: 200 x 55 x 38, 170g (including battery)

Windsock



Marine grade stainless steel swivel snap clip



Marine grade stainless steel mouth rings and wire rope harnesses



Type C



Type D

Windsock Applications

Aviation: Airports; aerodromes; private landing strips; helicopter landing platforms; air ambulance locations; parachute schools; microlight clubs.

Safety: Oil, gas and petrochemical industry; emergency planning equipment; power stations; water and sewage treatment works; ports and marinas; bridges and motorways; general weather observation.

Other : Windsocks can be used as an alternative form of advertising or decorative art feature with designs and logos applied.

Sizes

Our standard stock range of C type fitting windsocks are shown on page 3 and highlighted in orange. All other sizes and variations not highlighted and shown on pages 3 to 6 are made to order. Due to the requirements of global sourcing we manufacture windsocks in both imperial and metric dimensions - reflected in the many sizes shown on the following pages.

Windsock Type C

Fittings & Fixings

Our C type fitting comes complete with a harness and shackle. It consists of a stainless steel ring sewn into the mouth of the windsock. Four brass eyelets are used to attach a four way flexible stainless steel wire harness. Attached to the end of the harness is a stainless steel swivel shackle as shown in the pictures on the right. The swivel shackle is the most secure way of attaching a windsock to the rotating arm system at the top of your windsock mast. The C type fitting is suitable for onshore, coastal and offshore applications where the equipment is being regularly exposed to harsh conditions.

Material

Our standard windsocks are made in durable polyester with polyurethane coating, total weight of 200 gsm tested to ISO 105 (4), EN 471 and EN 343.

Colour

Our standard windsocks are high visibility, fluorescent orange. Other colours are available.

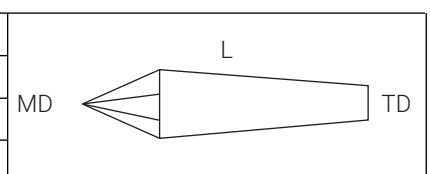
Specification

Part number, length, mouth diameter tail diameter: see table; Material: polyester, polyurethane coated, 200 gsm; Colour : high visibility, fluorescent orange; Fixings: integral sewn in mouth ring of stainless steel, four way flexible stainless steel wire harness, swivel shackle of stainless steel.

Conformity

1. ICAO Annex 14 Vol I; 2. ICAO Annex 14 Vol II surface level heliports; 3. ICAO Annex 14 Vol II elevated heliports and helidecks; 4. CAP 1264; 5. EASA CS-ADR-DSN; 6. Defence Safety Authority MADS (issue 8); 7. CAP 168
 NB conformity types 1 to 6 above are recommended minimum sizes.

Part number	Type	Length (L)	Mouth diameter (MD)	Tail diameter (TD)
WIDA-048-018-009-AAP-AA	D	4 feet	15 inch	8 inch
WICA-060-015-008-AAP-AA	C	5 feet	15 inch	8 inch
WIDA-072-024-012-ACS-AA	D	6 feet	24 inch	12 inch



Windsock Type D

Fittings & Fixings

Our D type fitting comes complete with fitted brass eyelets and cable ties. It consists of a reinforced mouth fitted with a single row of brass eyelets. We supply heavy duty black uv resistant cable ties as a quick and easy way of securing the windsock to your windsock frame. The D type fitting is suitable for most applications where the windsock is being fitted to a windsock frame.

Material

Our standard windsocks are made in durable polyester with polyurethane coating, total weight of 200 gsm tested to ISO 105 (4), EN 471 and EN 343.

Colour

Our standard windsocks are high visibility, fluorescent orange. Other colours are available.

Specification

Part number, length, mouth diameter tail diameter: see table; Material: polyester, polyurethane coated, 200 gsm; Colour : high visibility, fluorescent orange; Fixings: reinforced mouth fitted with a single row of brass eyelets and supplied with uv resistant cable ties.

Circuit Breaker Lockouts

Lockout Devices for all types of Circuit Breakers. Universal Circuit Breaker Lockouts as well as breaker specific Lockouts.

- Will Lock Out most Types of Miniature Circuit Breakers
- Lock Out 1 - 4 pole Circuit Breakers



Model	Description
UCL-1	8 mm padlock hole - max clamping 8 mm
UCL-2	8 mm padlock hole - max clamping 13 mm
UCL-3	8 mm padlock hole - max clamping 8 mm
UCL-4	7 mm padlock hole - max clamping 8 mm
UCL-5	8 mm padlock hole - clamping toggle 12 to 19 mm
UCL-2-EL	8 mm padlock hole - max clamping 11 mm
UCL-7	7 mm padlock hole - max clamping 8 mm



UCL-7



UCL-1

UCL-2

UCL-3

UCL-4

UCL-5

UCL-2-EL

CBL-1 Circuit Breaker Lockout - Universal

Permanently mounted to eschuteon plate
 Suitable for most large circuit breakers (universal type)
 Made from strong ABS plastics
 Includes 5mm spacer disc - arm length 126mm
 Suitable for padlocks with up to 6.5mm shackle diameter



SPLD-LCB



CBL-1



CBL-3

CBL-3 Toggle Blocking Lockout Hasp

Suitable for Schneider and Merlin Gerin Moulded Case CB's
 Large Side for NS80, NSX100-250, NSE75-100, NSF150-250
 Small side for NS/NSX400-630, NSJ 400-600
 Made from powdercoated mild steel
 3 padlock holes suitable for padlocks with up to 6.5mm shackle diameter

SPLD-LCB Moulded Case Circuit Breakers

Ideal for situations where lockout of individual breakers is required.
 Moulded from Re-Inforced Nylon
 Fitted to Circuit Breaker Cover

Model	Description
CBL-1	Large Circuit Breaker Lockout
CBL-3	Circuit Breaker Toggle Lockout
SPLD-LCB	Lockout Device for Moulded Case Circuit Breakers

Universal Lockout Device for Fuse Holders

UFL-2 Universal Lockout Device for Fuse Holders

Will Lock Out most Types of Fuse Holders - One size fits all
 Lock out 20 Amp to 400 Amp Fuse Holders
 Made from sturdy Nylon Plastics
 Dimensions: 60x35x15 mm wide
 8mm padlock hole - max clamping 5mm



UFL-2



UFL-NZ

UFL-NZ Lockout for Fuse Holders

Made from sturdy PVC
 Dimensions 60 x 25mm
 7mm padlock hole
 Will prevent insertion of fuse in NZ01 and NZ02 fuses

Lockout Hasps

Lockout Hasps enable up to 6 workers to lock out the same point of machinery.

Model	Shackle Diameter	Padlock Holes	Jaw Size
SLH-30	8 mm	6	30 mm
SLH-31	9 mm	6	30 mm
SLH-42	9 mm	6	25 mm
SLH-44	9 mm	6	38 mm
SLH-52	9 mm	6	28 mm
SLH-40	9 mm	6	25 mm
SLH-41	9 mm	6	38 mm
SLH-12	9 mm	12	25 mm
SLH-24	9 mm	24	28 mm
SLH-70	8.5 mm	6	-



Cable Lockouts

Thread the cable into and or around device, continue pulling cable until tight, close the red lockout handle and place up to 4 padlocks and tags as needed.



MFL-2P - Cable Lockout Device

Lockout several Points, Gate Valves, Steering Wheels & other equipment
Plastic Housing with 5mm PVC coated Steel Wire Cable
Extra Cables available - 2, 6 and 15 metre (other sizes on request)

MFL-2P - 5mm Non Conductive/Plastic

Use where metal parts are not wanted eg inside electrical cabinets
Made from durable plastics with 5mm Cable

MFL-3 - 3mm Thin Steel Cable

Thin Cable Lockout for devices with small lockout holes.
Coated Steel Wire Cable - 1 metre or 2 metre
Made from durable plastics with 3mm cable



Model	Description
MFL-2	Extra Cables available - 2, 6 and 15 m
MFL-2P	Cable Lockout with 1 and 2 m plastic Cable
MFL-3	Thin Cable Lockout with 1 and 2 m Steel Cable

Plug Lockouts

Place Electrical Plug or Hose End into case, close and lock with padlock

PLD-1 - Plug and Hose Lockout Bag

Heavy Duty Vinyl Bag with Steel Wire closing cord. Simple to use, place cord or hose end in bag, tighten cord around plug/hose with the attached cord clasp. Close cord clasp and place padlock and tag in holes provided.

PLD-12 - Plug Lockout Device - Large

Made from spark resistant high impact ABS plastic.
Suitable for 3 phasee plugs and air hoses of various sizes
NOTE: Not suitable for Clipsal 33A plug, use PLD-2.

PLD-13 - Plug and Hose Lockout (240 Volts)

Made from spark resistant high impact ABS plastic.
Suitable for 240v size plugs and air hoses of various sizes



Model	Shackle Diameter	Padlock Holes
PLD-1	8 mm	4
PLD-12	7 mm	4
PLD-13	7 mm	4

Valve Lockouts

Gate Valve Lockouts

Wrap around valve handle and lockout out with Padlock

GVL-1a - Gate Valve Lockout - Adjustable

Can Lock Out Gate V alves up to 165mm (1" t o 6 1/2")
4 padlock holes up to 8.5mm shackle
Made from durable polypropylene
Covers and rotates freely around the valve handle

GVL-2-10 - Gate Valve Lockouts - Individual

Available in 5 different sizes
Chemical and heat resistant - made from strong Polyurethane
Once locked they swivel freely around Gate Valve handle
Available for handle diameter 50mm (2") t o 350mm (14")
Can be purchased individually or in a pack including on of each size



Ball Valve Lockout

Lockout the valve with a padlock attached to the Ball Valve Lockout.

BVL-1 - Ball Valve Lockout

Can Lock Out most Ball Valves 10 - 32mm (3/8" - 1 1/4")
 Will also lock Valve in Open position on most Ball Valves
 Great chemical resistance - made from tough Polypropylene plastic
 Accommodates padlocks up to 6.5mm shackle diameter
 'One-Piece' design - very easy to use - simply slide on handle and squeeze
 NOTE: BVL-1 will only lock out valves with handles opening anti-clockwise
 Can accommodate handles with a width of maximum 25mm



BVL-1



BVL-2



BVL-3

BVL-2 - Ball Valve Lockout

Can Lock Out most Ball Valves 10mm -32mm (3/8" to 1 1/4") Left or Right turning
 Great chemical resistance - made from tough Polyurethane plastic
 Accommodates padlocks up to 7mm shackle diameter
 Can lock in On & Off position

BVL-3 - Ball Valve Lockout

Can Lock Out most Ball Valves 10mm -32mm (3/8" to 1 1/4") Left or Right turning
 Great chemical resistance - made from tough Polyurethane plastic
 Accommodates padlocks up to 7mm shackle diameter

Model	Ball Valves
BVL-1	10 - 32mm (3/8" - 1 1/4")
BVL-2	10mm -32mm (3/8" to 1 1/4")
BVL-3	10mm -32mm (3/8" to 1 1/4")

Safety Lockout Padlocks

Padlocks are Keyed Individually as standard. Keyed Alike and Master Keyed also available (except for in the SLP-150 series).



Brass Body With Coloured Sleeve
50mm Shackle



Nylon Body, 38mm Shackle
(Stainless Steel)



Nylon Body 50mm Shackle
(Stainless Steel)



Nylon Body, 38mm Shackle
(Non Conductive)

Model	Description
SLP-150-XXX	Economy Padlock - Keyed Differently - Single Pack
SLP-150-XXX-2 KEY	Economy Padlock - Keyed Differently - Single Pack - 2 Keys
SLP-438-XXX	Safety Padlock - Keyed Differently - Single Pack
SLP-438-XXX-KA	Safety Padlock - Keyed Alike - Single Pack
SLP-438-XXX-MK	Safety Padlock - Master Keyed - Single Pack
SLP-450-XXX	Safety Padlock - Keyed Differently - Single Pack
SLP-450-XXX-KA	Safety Padlock - Keyed Alike - Single Pack
SLP-450-XXX-MK	Safety Padlock - Master Keyed - Single Pack
SLP-550-XXX	Safety Padlock - Keyed Differently - Single Pack
SLP-550-XXX-KA	Safety Padlock - Keyed Alike - Single Pack
SLP-550-XXX-MK	Safety Padlock - Master Keyed - Single Pack

Group Lock Box

Ensures lockout of energy sources on largers projects until all workers have removed their locks.

Group Lock Box - 16 Padlocks

Sturdy Metal Construction
 Size 155mm x 255mm x 105mm
 Lockout holes for up to 13 padlocks
 Use as Group Lock Box, and/or for Padlock Storage
 Available in Red as standard - other colours available upon request
 Has convenient carry handle.



GLB-6-RED



GLB-8-YLW

Group Lock Box - 29 Padlocks

Made from tough ABS Plastics
 Clear sliding lid, can view keys inside
 Holes for Wall Mounting
 Standard in High Visibility Yellow
 Dimensions: 330mm w x 280mm h x 90mm

KLEVER XCHANGE Safety Knife



Innovative Plastic Tape Splitter
Available in the yellow handle ONLY.



Available in Red, Orange, Yellow, and Blue.

Safety and Convenience

- Recessed blade reduces cut injuries and damaged goods.
 - Cuts boxes, film, tape, and thousands more applications.
 - Ergonomic 'Soft Touch' handle reduces hand fatigue and stress.
 - Innovative Metal Tape Splitter
 - Advanced Plastic Polymers - Soft grip handle.
 - Highest Safety Level.
 - Interchangeable, replaceable head.
- (1 pre-loaded per handle. Additional sold separately.)

Product	Description
KCJ-XC-20 Klever X-Change (narrow cut head)	Available in Yellow, Orange, Red, Blue
KCJ-XC-20 Klever X-Change (narrow cut head)	Available in Yellow, Orange, Red, Blue
KCJ-XC-30 Klever X-Change (wider cut head)	Available in Yellow, Orange, Red, Blue
KCJ-XC-30 Klever X-Change (wider cut head)	Available in Yellow, Orange, Red, Blue
KCJ-XC-35 Klever X-Change (Wider cut head with Scraper)	Available in Yellow, Orange, Red, Blue
KCJ-XC-35 Klever X-Change (Wider cut head with Scraper)	Available in Yellow, Orange, Red, Blue



KLEVER XCHANGE REPLACEMENT BLADE HEADS™

Interchangeable, snap-in heads built for use with our entire line of XChange™ safety cutters.



KLEVER HOLSTER™

Safely store and carry Klever XChange™ safety cutters and replacement blade heads

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