

**Brand / Model: Phenix First Due Contemporary Series NFPA Compliant Helmet**  
**Supplier and Contact: Phenix Technology, Inc**

Delivery Date: Available 4 weeks from payment date.

### **1. GENERAL DESCRIPTION**

The Fire Fighter Helmet is part of the Personal Protective Equipment worn by operational units for fire fighting and rescue in buildings, factories, and ships, as well as in various types of vegetation/ forest fires. The Helmet must therefore be able to provide adequate protection for all applicable uses.

### **2. PRINCIPLE CHARACTERISTICS**

- a. The helmet comes with a nape strap vertically adjustable system with fire retardant cotton, or leather, headband with optional comfort upgrade. Also available with a ratchet suspension with a turn knob adjustment system. The adjustment is possible without the use of any tools. A quick adjustment easily operated design is used for adjusting the size of the helmet.
- b. There are no sharp edges, roughness, or protrusions on any part of the helmet that can cause injury to the wearer when the helmet is worn.
- c. For those parts of the helmet that come into contact with the skin, materials which are known to be likely to cause skin irritation or any adverse effect on health are not used.
- d. The helmet is designed with proper ergonomics.
- e. The materials are of durable quality. Their characteristics do not undergo appreciable alteration under the influence of circumstances of use to which the helmet is normally subjected, such as exposure to sun, rain, cold, contact with the skin, or the effects of sweat.
- f. The helmet will not interfere with the wearing of the SCBA mask or corrective or protective glasses that are currently in use by the wearer.
- g. The helmet has the facility to include optional sewn in or detachable ear/neck protection devices.
- h. The helmet is of comfortable and ergonomic design and designed with good ventilation that promotes users comfort for prolonged period of wear.

### **3. KEY COMPONENTS**

- a. Shell                      The helmet shell is made of high temperature macro blend/polycarbonate injection molded thermo plastic.

- b. Shape                      The shape is of a design which makes the helmet extremely impact, heat, and chemical resistant. The rear brim extends to a length so as to shed water away from the collar and neck area and should be able to provide a maximum safety from falling objects.
  
- c. Safety Padding            Sufficient head padding for dynamic shock absorption are provided.
  
- d. Chinstrap                  The helmet comes with a two point Nomex® material chinstrap centered in the middle of the shell and is available in three configurations: postman's slide, quick release, or a combination of postman's slide and quick release.
  
- e. Reflective markings        The reflective material will be NFPA compliant lime/yellow or red/orange Reflexite®.
  
- f. I.D. Shield Bracket        The helmet will have available a mountable I.D. bracket system that bolts onto the shell with a non-conductive bolt and nut that allows application of a leather or metal I.D. shield.
  
- g. Helmet Replaceable Parts    The helmet parts such as shell, goggle and face shield, Leather I.D. shield, liner system, chinstrap, comfort options, headband, etc., are replaceable.
  
- h. Helmet Parts Availability    Helmets parts must be available for future maintenance purpose.
  
- i. Color                        The shell is made available in the following colors: red, yellow, black, white, orange, and blue. The color of the shell is warranted for 5 years from date of manufacture.
  
- j. Face Shield/Goggle        Face shield or goggles are available which satisfy the performance as stated in NFPA 1971 2007 2013. The face shield and/or goggle must have high resistance to impact, radiant heat, flame, and chemical products.

The coating of the face shield must have good resistance to abrasion, acids, and solvents.

#### 4. **TECHNICAL DATA**

- a. Weight                      The helmet weighs approximately 39 ounces.
- b. Size                              Sizing must be fully adjustable to fit all head measurements from size 6 ½ to size 8 ½. Extra Large ratchet system available at request to fit head measurements up to 9.
- c. Color                      :      Color to be determined upon final approval and set forth in purchase order.
- d. Test                              :      NFPA 1971 2007 2013  
Approval

#### 5. **DELIVERY**

The successful supplier shall **provide product based on INCOTERMS 2010 for international shipping or based on pre established shipping terms.**

#### 6. **OTHER CONDITIONS**

- a. The successful supplier will warranty the helmet shell against defective materials, poor workmanship, inadequate performance, and malfunctioning for minimum period of five years from the date of delivery. Any rectification from the above should be acted upon immediately and all cost to be borne by the supplier.
- b. Catalogs, test certificates, and detailed specifications are to be attached with the tender documents for evaluation when requested.
- c. Each helmet complete with all accessories is packed individually in a transparent plastic bag. Helmets may ship in bulk; however, must have protective barriers in place as to prevent any damages that may occur during the shipping process.
- d. An instruction manual on the care and maintenance need to be included in each helmet. The instruction manual is to be in the English language.

#### 7. **UPGRADES OPTIONS AND ACCESSORIES:**

- a. Name rockers and radial rockers available for lettering on sides and back of helmet. Available in various colors of reflective material.

- b. Magnetic ID Panel Systems: Our magnetic identification panels are designed for use as an accountability system. The base magnets adhere to the helmet, while the "outer" panels are 3½" x 2¼" and come in black or white. Reflective lettering comes in a variety of colors and can be configured a number of ways. The panels are interchangeable for various station assignments. We can customize them for your departments needs. Illuminating magnets also available.
- c. Custom Leather ID Shields available in 3.5", 4", 4.5", and 6". Our leather shields are made from real leather, are stamped with leather dyes, and come in a variety of sizes, shapes, and colors. They can be customized for your individual department and rank. ID Shields also available with Spartan Light: This 90 Lumens LED light sits conspicuously behind your custom leather ID shield and uses standard AAA batteries for power. Included with the light package is a custom leather ID shield, which will allow for unobstructed illumination while protecting and concealing the casing. There is also a back up battery compartment designed for continuous light to ensure firefighter safety. Gold and Silver Medallions available as well.
- d. Deluxe Comfort Package: suspension upgrade kit includes a comfort pad, crown cap and ratchet cover made of protected leather. The set is easy to install and will outlast any of the other parts. The items are scratch and water resistant and very durable and easy to clean as well. Just wipe with a damp cloth. Each piece also sold separately if requested. Standard Comfort Pad (Cotton) also available.
- e. Eye Protection Options: ESS Innerzone 3 goggles with wrap around velcro strap, ESS Innerzone 2 goggles with retainers, Paulson ATAC goggles with head strap, ATAC goggles with retainers, ATAC goggle with retainers and nose piece, tinted 4.5" face shield, tinted 6" face shield, and gold tinted 6" ARF face shield for NFPA compliance. We also offer ESS X-tricator goggles with retainers and flip down eye shields with OSHA compliance.
- f. Attachment Options: Standard screw knob attachment kit comes standard on all models. ESS Snap on/off Attachment kit through the brim under mount and mounting bracket attachments available for goggles with retainers (ATAC/ ESS).
- g. Brim trim also available on all models.

**8. NEW OPTIONS:**

- a. Wildland Shroud: Nomex and fire retardant cotton 11" wild land shroud provides both ear/neck and face protection (sewn-in or detachable). No eye protection. Compliant to current CAL and US OSHA standards.
- b. Fire Police Option: High tempature thermo plastic shell with rear brim shortened. Ideal for meeting the new mandates imposed by various states for Fire Police personnel.

- c. SAR/ Search and Rescue: High temperature thermo plastic shell with rear brim shortened and brim trim.
  
- d. EMS model: The medical EMS model includes a blue shell, ESS FirePro goggles with retainers or Paulson ATAC goggles w/ retainers as well as brim trim added to shaved off brim. This model is to be used for Emergency Responder employees, American Medical Response, and various other paramedic or medical professionals. Helmet may also be used as a rescue helmet and meets NFPA standards 1951: 2013.
  
- e. ARF Model: An aluminized PBI Helmet Cover and aluminized PBI A.R.F shroud is also available for application to be used in high heat environments such as aircraft or petroleum firefighting. The standard faceshield can be upgraded to an NFPA compliant 6" gold tinted (ARF) faceshield.