

DATA SHEET
HOT SHIELD MODEL HS-5 FR RESPIRATOR PROTECTOR HOUSING
FOR THE DRAGER XPLORE 3500 HALF FACE RESPIRATOR MODEL HS-5

Name: Hot Shield FR Housing HS-5
Model #: HS-5
Weight: 3.8 oz. / 106.4 grams
Sizing: One size fits all (hook & loop fasteners behind neck)
Description: A FR fabric based respirator protector housing garment designed exclusively for use with the Draeger Xplore 3500 Half Face Respirator. Designed to completely cover respirator without interfering in the face-to-respirator seal, thereby allowing for individual fit testing.
Main Users: Mask is used by firefighters and other workers in areas where heat, flame & airborne particulate hazards exist and a self-contained breathing apparatus is impractical or impossible.
Limitations: NOT A RESPIRATOR; must be used with the Draeger Xplore 3500 only.
Coverage: Most areas of the face and neck. Leaves ears exposed.
Care: Hand wash and drip dry only.
Warranty: One year materials and workmanship.
Sold By: Only through authorized resellers of Hot Shield USA Inc.

FREQUENTLY ASKED QUESTIONS

Q: WHAT IS THE HOT SHIELD HS-5?

A: The HOT SHIELD HS-5 is a heat resistant Respirator Protector Housing exclusively designed to fit the Draeger brand half face respirator model Xplore 3500. The HS-5 protects the user and the respirator, providing a primary benefit of a high degree of thermal protection to face & neck areas that cannot be achieved using only the respirator. The HS-5 was designed by firefighters for wildland firefighting, but has found application in other industries utilizing this particular model respirator. The combination of the HS-5 housing with the Draeger Xplore 3500 provides an individual with thermal protection to both face & respirator while the individual uses the Explore 3500 for respiratory protection. The HS-5 does not interfere with the sealing surfaces nor block the inhalation or exhalation valves of the Draeger Xplore 3500, therefore allowing for “fit testing” of the respirator if desired. The HS-5 has reflective trim on both sides for enhanced nighttime visibility. Fastens behind the neck using hook and loop fasteners.

Q. HOW DOES THE HOT SHIELD HS-5 PROTECT ME?

A: CarbonX is a proprietary fabric. It is an inherently non-flammable fabric that will not burn, melt, drip, ignite, shrink, or char when exposed to direct flame or extreme heat and is highly resistant to molten metal splash, flammable liquids, and certain chemicals. CarbonX thermal protective properties will not wash out or wear away. CarbonX fabrics are independently laboratory tested to exceed the Performance and Testing Requirements contained in NFPA #1977-2022 Edition Standard for Wildland PPE and accomplishes all this with less weight than traditional PPE materials..

When exposed to intense heat or flame, the CarbonX fiber blend carbonizes and then expands, eliminating any oxygen content within the fabric, tested to achieve an astonishing Limit of Oxygen rating of 55. By using the HS-5, in conjunction with the Draeger Xplore 3500, any person can take advantage of the easy air exchange available in a half face respirator, yet have a degree of high thermal protection as well.

Q: IS THE HOT SHIELD HS-5 A RESPIRATOR?

A: No, it is not. The HS-5 is a heat resistant respirator protector housing specifically designed to fit only the Draeger Xplore 3500 Half Face Respirator.

Q: CAN THE HOT SHIELD HS-5 PROTECT ME FROM SUPER HEATED AIR?

A: No, only a breathing apparatus can do that! Use of a Hot Shield HS-5 FR Respirator Protector Housing does not guarantee a firefighter will not suffer a respiratory burn due to inhalation of superheated air.

Q: IS THE HOT SHIELD HS-5 COMPATIBLE WITH HELMETS? WHAT ABOUT MY EXISTING SHROUD?

A: The HS-5 combined with the Drager Xplore 3500 does not attach to a helmet, consequently it does not matter which type of helmet you use. Your standard shroud will only close around the bottom of the respirator.

Q: IS THE HOT SHIELD HS-5 COMPATIBLE WITH GOGGLES? PRESCRIPTION GLASSES?

A: Yes.

Q: WHAT IS THE ADVANTAGE/BENEFIT OR FEATURES OF THE DRAGER XPLORE 3500 RESPIRATOR?

A: 1st – It is relatively small in size & lightweight. 2nd- Air exchange is efficient, both inhalation and exhalation. The HS-5 does not interfere with the sealing surfaces nor the inhalation or exhalation of the Drager Explore 3500 which allows for individual fit testing if desired.

HOT SHIELD is a registered trademark of Hot Shield USA, Inc. CarbonX is a registered trademark & patented product of Tex Tech Industries. Material printed herein subject to change without notice. HOT SHIELD USA, INC reserves all rights. Check www.hotshield.com for product updates and availability through a dealer nearest you.

V11.06.2023