

Features and Benefits of the DTAPS[®] NFPA 1994 Class 2 System

Feature	Description	Benefit
Fully integrated and complete system	Complete system includes suit, gloves, boots, hood & respiratory system; all individual components were configured & tested together as a unified system	<ul style="list-style-type: none"> ' Satisfies operational need for safe, reliable & totally integrated system ' Allows total package procurement
Extensive suit material testing	Suit material tested against CW agents GA, GB, GD, HD, L & VX, the 21 ASTM F 1001 chemicals, plus over 200 additional chemicals	<ul style="list-style-type: none"> ' Suit material has proven chemical resistance
Suit seam testing	Suit seams tested against CW agents GB, HD, L & VX	<ul style="list-style-type: none"> ' Suit seams have proven chemical resistance ' Verifies integrity of suit seams and suit fabrication quality
Tested as an integrated system	Complete system compliant with SF ₆ inward leakage test protocol in NFPA 1994 and passed ASTM F 1359 shower spray test	<ul style="list-style-type: none"> ' Verifies the safety & reliability of protective ensemble
Coverall design	Non-encapsulating coverall with separate splash hood	<ul style="list-style-type: none"> ' Provides better visual acuity, less distortion & greater peripheral vision than totally-encapsulating Level B suits ' Provides greater mobility than totally-encapsulating Level B suits ' Air cylinder can be easily changed out
Splash hood	Splash hood is constructed of heavy-weight (11 oz/yd ²) butyl-coated nylon fabric with 30 mil stretch butyl rubber membrane insert (custom fitted to the SCBA face mask)	<ul style="list-style-type: none"> ' Hood/mask interface is liquid tight ' Splash hood can be reused many times ' Hood protects from gross liquid splash ' Greater hearing acuity than totally-encapsulating Level B suit ' No taping needed

Features and Benefits of the DTAPS® NFPA 1994 Class 2 System (continued)

Feature	Description	Benefit
Respiratory protective system	Interspiro 60-minute open circuit SCBA	' Approved for use in CBRN environments
Air inlet	Air inlet provides slight over-pressure to coverall	' Gives coverall increased resistance to vapor intrusion ' Provides higher protection factor than other coveralls ' Minimizes the “bellows effect”
Neck dam	Coverall incorporates a close-fitting adjustable neck dam constructed of Tychem® SL	' Resists vapor intrusion from the “bellows effect”
Suit closure	Liquid-resistant zipper assembly with 2-ply double splash flaps	' Assembly resists vapor intrusion ' Liquid will not penetrate coverall closure assembly ' 2-ply splash flap design will not wick liquids ' No taping needed
Glove system	24 mil neoprene/butyl gloves are mechanically attached to coverall	' Neoprene/butyl gloves have combined resistance to chemical warfare agents & POLs ' Glove attachment assembly is vapor & liquid tight ' Gloves are easily changed out ' Can be configured with glove liners for additional chemical resistance ' No taping needed
Booties	Integral booties and boot splash flaps incorporated into coverall	' Provides vapor & liquid tight attachment to coverall ' Splash flaps prevent liquid splash from entering boots ' No taping needed
Boots	Boots are seamless PVC alloy with steel safety toe, full steel mid-sole & steel ladder shank; boots meet NFPA 1991 and NFPA 1994 chemical permeation resistance requirements	' Provide excellent impact protection ' Provide excellent cut & puncture resistance ' Provide excellent chemical resistance