



ARC FLASH BOILERSUIT ATPV 15 Cal/cm²



This boilersuit consists of the following:

- Flame retardant reflective tape on arms, legs and back of the boilersuit for enhanced visibility.
- Front opening with concealed flame retardant brass zip and Velcro strips closure for ease of putting on and taking off.
- Seams with triple needle topstitching for added durability.
- Sleeves feature a flame retardant knitted cuff providing a great seal when used with gloves and prevents sleeves from rolling upwards.
- Right sleeve with Dromex® Arc heat transfer print.
- 2 Rounded chest pockets with flame retardant Velcro closure mitred flaps.
- Right chest pocket flap and back left panel with ATPV 15 cal/cm² embroidery for garment identification.
- Left chest pocket flap with Dromex® Arc heat transfer print.
- Side swing hip pockets.
- 1 Bottom back pocket and mitred flap with Dromex® Arc heat transfer print.
- Right back leg with ruler pocket.

These garments are commonly used in the following industries:

- Automotive
- Construction
- Mining
- Petroleum
- Utilities and Power Generators
- Data centres
- High volume manufacturing
- Substations and switchrooms

Dromex® A.P.T™ fabrics are self-extinguishing, heat resistant and resistant to ignition. Dromex® Arc garments are sewn with flame retardant thread.

Special Instructions

Note: For electric arc exposures, wear the correct number of flame resistant clothing layers as dictated by an electric arc hazard analyst. In potentially explosive environments, proper grounding procedures must be used for protection against electrostatic spark ignition. Do not put on or remove garments when in a potentially explosive environment.

None of the materials or processes used in the manufacture of these products are known to be harmful to the wearer. The manufacturer has examined under the system for ensuring quality of production by means of monitoring and inspection. These Arc flash boilersuits are designed to accommodate the basic safety requirements and standards for Personal Protective Equipment. The information contained herein is intended to assist the wearer in the selection of Personal Protective Equipment. Actual conditions of use cannot be directly simulated in a test environment therefore it is the responsibility of the end user and not the manufacturer or supplier to determine the arc flash suitability for the intended use. Arc flash protective boilersuits should be thoroughly inspected before use to ensure no damage is present.

Specifications

Style: 1-Piece collared long sleeve boilersuit with reflective strips.
 Fabric composition: 88% Cotton 12% Nylon.
 Mass: 305gsm.
 Reflective: 50mm Silver flame retardant tape.
 Additional: Arc clothing must be worn with additional and correctly selected Arc PPE to ensure complete protection against the hazards of Arc Flash. Refer to table "Arc Flash PPE Categories" for further compatible PPE.

Packaging

DW-ARC15-O is packed in a resealable polybag and sold individually.

Sizes Available

28-52

Size designation	Nominal measurements of finished garment (cm)											Back Width
	Circumference of						Length of					
	Chest	Waist (Extended)	Seat	Plain & Runched Cuff (Extended)	Bottoms	Back Neck to Waist	Outside Leg	Inside Leg	Set-in & raglan sleeves			
									Long Sleeve	Short Sleeve		
77	94	80	92	27	42	48	102	78	47	13	36	
82	99	85	97	27	44	49	104	79	47	13	38	
87	104	90	102	27	46	50	106	80	48	13	40	
92	109	95	107	28	48	51	108	81	48	14	42	
97	114	100	112	28	50	52	110	82	49	14	44	
102	119	105	117	28	50	53	110	82	49	14	46	
107	124	110	122	29	50	54	111	82	50	15	48	
112	129	115	127	29	50	55	111	82	50	15	48	
117	134	120	132	29	51	56	111	81	51	15	52	
122	139	125	137	30	51	57	111	81	51	16	54	
127	144	130	142	30	51	57	111	80	52	16	56	
132	149	135	147	30	51	57	111	80	52	16	58	
137	154	140	152	31	52	57	112	80	53	17	60	
142	159	145	157	31	52	58	112	80	53	17	62	
147	164	150	162	31	52	57	113	80	54	17	64	
152	169	155	167	32	52	58	113	80	54	18	66	
157	174	160	172	32	52	58	113	80	54	18	68	
162	179	165	177	33	52	59	114	80	54	18	69.5	
167	184	170	182	33	52	59	114	80	54	18	71	

Description

The Dromex® Arc product range is designed to protect the user from the hazards of heat and to reduce total burn injury when working in environments exposed to electric arc hazards.

Dromex® Arc garments are manufactured with our exclusive Dromex® A.P.T™ (Arc Protective Technologies) fabric blend, which has been carefully developed by our team along with industry experts and professionals to ensure specialised Arc safety and global standards are met. Our Dromex® A.P.T™ fabric and garments have been tested to NFPA, ASTM, EN, SABS and IEC standards.



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Compliance & Conformity

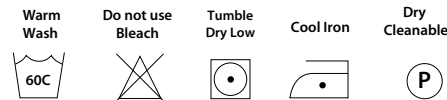
- Complies to marking SANS 724, Personal Protective Equipment and protective clothing against the thermal hazards of an electric arc.
- IEC 61482-1-1 - Live working - Protective clothing against the thermal hazards of an electric arc - Open Arc Test Method. It determines the Thermal Protection Value (ATPV level) of the garment. The basic principle is that the ATPV of the garment must be higher than the Arc Flash energy.
- IEC 61482-1-2, Live working - Protective clothing against the thermal hazards of an electric arc - Box Test Method. It determines the Arc Protection Class Rating of the material or garment by using a constrained and directed arc:
- EN 61482-1-2:2014 - LIVE WORKING - PROTECTIVE CLOTHING AGAINST THE THERMAL HAZARDS OF AN ELECTRIC ARC
- PART 1-2: TEST METHODS
- METHOD 2: DETERMINATION OF ARC PROTECTION CLASS OF MATERIAL AND CLOTHING BY USING A CONSTRAINED AND DIRECTED ARC (BOX TEST) (IEC 61482-1-2:2014).
- NFPA 2112 - Standard on flame resistant clothing for protection of industrial personnel against short duration thermal exposures from fire.
- NFPA 70E - Standard for electrical safety clothing for employees.
- ASTM F1959, Standard Test Method for Determining the Arc Rating of Materials for Clothing.
- ASTM F2621-12, Standard Practice for Determining Response Characteristics and Design Integrity of Arc Rated Finished Products in an Electric Arc Exposure.
- EN 11611:2015, Protective clothing for use in welding and allied processes.
- EN 11612:2015 Protective clothing -- Clothing to protect against heat and flame -- Minimum performance requirements.

Cleaning & Maintenance

Garments of Dromex® A.P.T™ brand fibre can be cleaned by home or commercial laundry or by dry cleaning procedures without loss of their inherent protective features.

The following suggestions will help keep your garment safe and neat. Should home procedures not remove contaminants, commercial laundering or dry-cleaning is recommended:

- Launder garments of Dromex® A.P.T™ separate from personal non-flame resistant clothing to help avoid contamination by flammable materials.
- Pre-treat greasy stains and collar/cuff lines.
- Wash garments in warm water with heavy duty detergent.
- Do not overload home laundry equipment.
- Do not use chlorine bleach or detergents containing chlorine bleach.
- Chlorine bleach may cause fading and reduce fabric strength.
- Tumble dry garments at a low setting.
- Remove and hang garments as soon as tumbler stops.
- Do not hang in direct sun as fading and reduction of fabric strength can occur.
- When using commercial laundry aids, be sure to carefully follow the manufacturer's instructions.

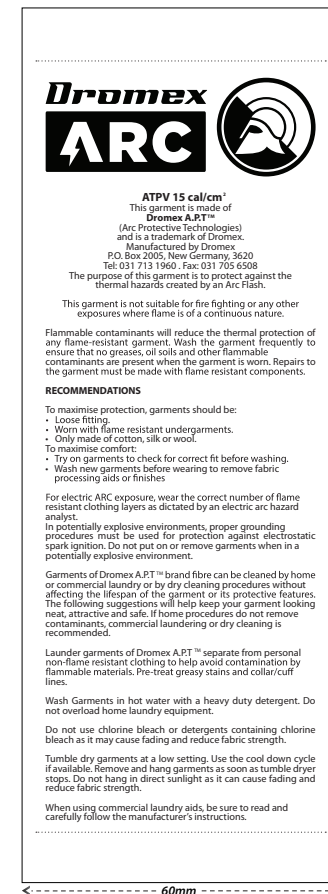


Disposal

All industrial waste should be disposed of correctly according to local regulations and good disposal practice. Workwear should be disposed of considering the hazardous substances they were used for as well as the material they are made up of. Please consider recycling.

Marking

TYVEK ATPV LOOP FOLD CARE LABEL



Position:
- Back - Below main label

ORIGIN & YOM LABEL



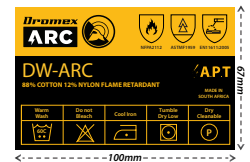
Position:
Neck - Inside

EMBROIDERY (WHITE THREAD)



Position:
- Right breast (Centre of panel)
- Back left (Centre of panel)

MAIN LABEL



Position:
Neck (Inside)

DROMEX ARC BOOKLET



Position:
Tag attached inside garment

ARC HEAT TRANSFER PRINT



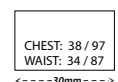
Position:
Right hand side of sleeve

ARC HEAT TRANSFER PRINT



Position:
- Left chest pocket flap
- Back pocket flap

SIZE LABEL



Position:
Neck - Inside

DROMEX A.P.T. WATERMARK



Position:
• All over print (Inside fabric)

Arc Flash PPE Categories

Hazard/Risk Category	FR (flame retardant) Recommended clothing used at this level	Required minimum ATPV (Cal/cm ²) as per EN	Workwear	Other PPE
<p>HRC 1</p> 	<ul style="list-style-type: none"> FR shirt (T-shirt short sleeve worn inside Long sleeve shirt) and FR pants; or boilersuits; (Single base layer of FR protection) 	4	 <p>ARC T-SHIRT SS&LS ARC BOXER SHORT</p>  <p>ARC SHIRT & DENIM JEAN ARC DUST COAT ARC X BIB ARC 2 PIECE CONTI-SUIT ARC BOILERSUIT</p>	 <p>ARC LEATHER GLOVES ARC VISOR *(must wear with Balaclava) ARC BALACLAVA EARPLUGS</p>
<p>HRC 2</p> 	<ul style="list-style-type: none"> FR under garments (undershirt, underwear) FR shirt and FR pants; or FR boilersuits; (2 or more layers of FR protection) 	8	 <p>ARC SHIRT & DENIM JEAN ARC DUST COAT ARC X BIB ARC 2 PIECE CONTI-SUIT ARC BOILERSUIT</p>	 <p>DIPPED ARC GLOVES ARC SWITCHING GLOVES ARC HARD HAT ARC ANKLE SAFETY BOOTS</p>
<p>HRC 3</p> 	<ul style="list-style-type: none"> FR under garments (undershirt, underwear), FR shirt, FR jacket, FR pants or FR boilersuits; (2 -3 or more layers of FR protection) 	25	 <p>ARC SUIT ARC PADDED JACKET</p>	 <p>EARPLUGS ARC LEATHER GLOVES ARC HARD HAT ARC ANKLE SAFETY BOOTS</p> <p>ARC SWITCHING GLOVES DIPPED ARC GLOVES ARC VISOR *(must wear with Balaclava) ARC BALACLAVA</p>
<p>HRC 4</p> 	<ul style="list-style-type: none"> FR under garments (Undershirt, underwear), FR shirt, FR jacket/coat, FR pants or FR boilersuits; (3-4 or more layers of FR protection) 	40	 <p>ARC BIB & BRACE, JACKET AND HOOD WITH VISOR</p>	 <p>ARC SWITCHING GLOVES ARC LEATHER GLOVES EARPLUGS ARC ANKLE SAFETY BOOTS</p>