Dromex

POSEIDON OIL & GAS BOILERSUIT

NFPA ASTM IEC EN

DW-POS220RTXX-O

EN 11612:2015

EN 11611:2015

EN 1149

EN 61482-1-2: 2014

RD
RB
OR
NB

Description

Dromex® Poseidon 220 boilersuit is designed to protect the user from the hazards of accidental flame contact and provides additional protection from arc flash and static build up reducing injury and loss of life when working in hazardous environments such as refineries, maritime, oil and gas industries and emergency response teams.

The Dromex® Poseidon carries an 8cal/cm^2 rating on the garment, it is suitable for use in category HRC (hazard risk category) 1 and 2 ARC related environments.

Made with Dromex specialised F.P.T (Fire Protective Technologies) fabric - 98% cotton, 2% anti-static. The satin weave finish and natural fibre construction makes this garment lightweight, comfortable and breathable and maximises wearer movement.

This garment is available in 4 different colours, orange, red, royal blue and navy blue which consists of the following:

Collared boilersuit with zip and press stud closure and internal hanger loop.

- Action back design with pleats for freedom of movement.
- High visibility flame retardant reflective tape on arms, shoulders and legs for enhanced visibility when working in poor lighting environments. The left shoulder reflective tape features a gas detection/radio loop.
- Concealed YKK/Dromex branded 2 way chunky zip with press stud closure.
- 2 Mitred chest pockets and flap on either side with concealed FR (flame retardant) Velcro closure and Dromex Fire heat transfer print on left flap.
- FR Velcro strip above right chest pocket for attachment of a name badge.
- 2 Open waist swing pockets and 2 inner side swing openings with press stud closure.
- 2 Mitred back pockets on the pants with concealed FR Velcro mitred flap and Dromex Fire heat transfer print on left flap.
- Sleeve pocket with FR Velcro closure flap and pen division on left arm.
- Pictogram heat transfer print of product standards on left sleeve hem.
- Dromex Fire heat transfer print on right arm.
- A rear ruler/tool pocket on the right leg.
- Inner elasticated waist for optimum fit and flexibility.
- Adjustable sleeve cuffs with press stud closure prevents the risk of loose clothing caught in machinery and provides an adaptable fit when worn over gloves.
- Adjustable leg with press stud closure on the hem.
- Arc Rated, Anti-Static, Flame Retardant press studs throughout
- Seams with triple needle topstitching for added durability.

Special Instructions

For electric arc exposures, wear the correct number of flame-resistant clothing layers as instructed by an electric arc hazard analyst.
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 flame protective garments 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 garment suitability for the intended use.
Flame protective garments should be thoroughly inspected before use to ensure no damage is present.

Should there be visible damage such as tears or burn holes, it is recommended to dispose of and replace the garment immediately.

Compliance & Conformity

- IEC 61482-1-1 - Live working - Protective clothing against the thermal hazards of an electric arc - Open Arc Test Method. It determines the
- Arc 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.

- ASTM F2178-12 - Standard Test Method for Determining the Arc Rating.

- EN 1149 - Protection against the danger caused by static electricity.

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Latest update: 21/01/2022

Specifications

Style:	One piece boilersuit with high visibility reflective tape on arms and legs.
Fabric composition:	Dromex F.P.T™ 98% Cotton, 2% Anti-static fabric.
Mass:	220gsm.
Reflective:	50mm Silver flame retardant tape.
Press studs:	Arc rated, anti-static, flame retardant nylon press buttons.
Velcro:	Flame retardant.

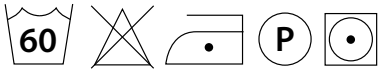
Packaging, Storage & Obsolescence

DW-POS220RTXX-O is packed in a polybag and sold individually.

Cleaning & Maintenance

- The following suggestions will help keep your garment safe, and neat:
- Dromex® Poseidon garments can be cleaned by home cleaning or commercial laundering provided all the recommended conditions and setting are adhered to.
- Should home procedures not remove contaminants, then dry cleaning is recommended.
- Our recommended cleaning for these garments is as follows:
  - Flame Retardant garments should not be washed with personal non-flame-retardant clothing to avoid contamination by flammable materials.
  - Pre-treat greasy stains, collars/cuff lines and wash the garment in hot water with a light cleaning solvent.
  - Do not use Hypochlorite bleach or detergents containing Hypochlorite bleach as fading may occur.
  - Thoroughly rinse the garment to remove any wetting agents.
  - Do not hang in direct sunlight as fading may occur.
  - Iron with a cool iron
  - Do not iron on reflective tape.
  - When using commercial laundry aids, be sure to read and carefully follow the manufacturer's instructions.

Dromex F.T.P Poseidon 220 Fabric



Machine washing max temperature at 60°C
Do not bleach
Ironing max temperature at 110°C
Dry-cleaning
Tumble dry low

- Note :
  The flame-retardant finish is a permanent finish applied to the cotton fabric which reacts with the cotton fibre to produce a permanent covalent bond.
  This is used internationally to produce a wash-fast flame-retardant finish that lasts at least 100 washes.

Sizes Available

32-60

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 sleeves and raglan sleeeves		
										Long Sleeve	Short Sleeve	
S	32/82	99	85	97	27	44	49	104	79	47	13	38
	34/87	104	90	102	27	46	50	106	80	48	13	40
M	36/92	109	95	107	28	48	51	108	81	48	14	42
	38/97	114	100	112	28	50	52	110	82	49	14	44
L	40/102	119	105	117	28	50	53	110	82	49	14	46
	42/107	124	110	122	29	50	54	111	82	50	15	48
XL	44/112	129	115	127	29	50	55	111	82	50	15	48
	46/117	134	120	132	29	51	56	111	81	51	15	52
2XL	48/122	139	125	137	30	51	57	111	81	51	16	54
	50/128	144	130	142	30	51	57	111	80	52	16	56
3XL	52/132	149	135	147	30	51	57	111	80	52	16	58
	54/137	154	140	152	31	52	57	112	80	53	17	60
4XL	56/142	159	145	157	31	52	58	112	80	53	17	62
	58/147	164	150	162	31	52	58	113	80	54	17	64
5XL	60/152	169	155	167	32	52	58	113	80	54	18	66

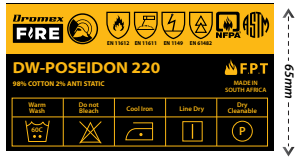
DW-POS220RTRB-O

DW-POS220RTOR-O

DW-POS220RTNB-O

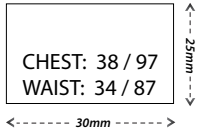
Marking

DROMEX POSEIDON 220 MAIN LABEL



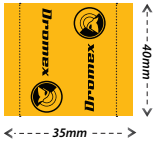
Position:
- Boilersuit - Neck (Inside)

SIZE LABEL



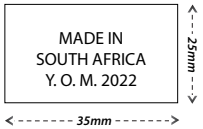
Position:
- Boilersuit - Neck

DROMEX SIDEWINDER



Position:
- Boilersuit- Left sleeve pocket

ORIGIN & YOM LABEL



Position:
- Boilersuit- Neck

Disposal

Restrictions on the disposal depend solely on the contamination during use.
The user is advised to adhere to local legislation pertaining to the disposal of used coveralls and the associated contaminants.

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