

# IONIC

RESCUE



The IONIC Cyclone Pro R1 Plus drysuit has been designed for use where durability and performance is required. This model of drysuit has been chosen by many Emergency Services for its comfort, fit and extreme durability.

Manufactured in BTR 480 this trilaminate fabric has a high performance butyl membrane. The fabric is both hard wearing, soft and durable and its fine weave reduces the risk of dirt/contaminants becoming ingrained in the drysuit.

The Plus version comes fitted with a YKK Aquaseal® convenience zipper and breathable fabric socks as standard along with super stretch neoprene neck and cuff seals.

**IONIC Pro R1 is the choice of professionals!**

## SAF10020

### Cyclone Pro R1 Drysuit with Neoprene Seals Convenience Zip and Fabric Socks

- Manufactured from BTR480 trilaminate fabric
- Superstretch Neoprene neck and cuff seals
- Diagonal front entry design
- Breathable fabric socks
- 360° Reflective markings on sleeves and ankles
- Cordura® reinforcement panels on seat and knee
- YKK Aquaseal® dryzip with zip cover
- YKK Aquaseal® convenience zip
- Quick Disconnect internal braces
- Protective ankle gaiter
- Elasticated waist to ensure comfortable fit
- Bellows pocket on leg with Velcro® closure and gear loop

### Sizes:

See sizing chart below

Made to measure service available

### Optional Extras:

- Customer logo option



### Colour Options:



Yellow/  
Black

3  
YEAR  
WARRANTY

CORDURA®  
BRAND

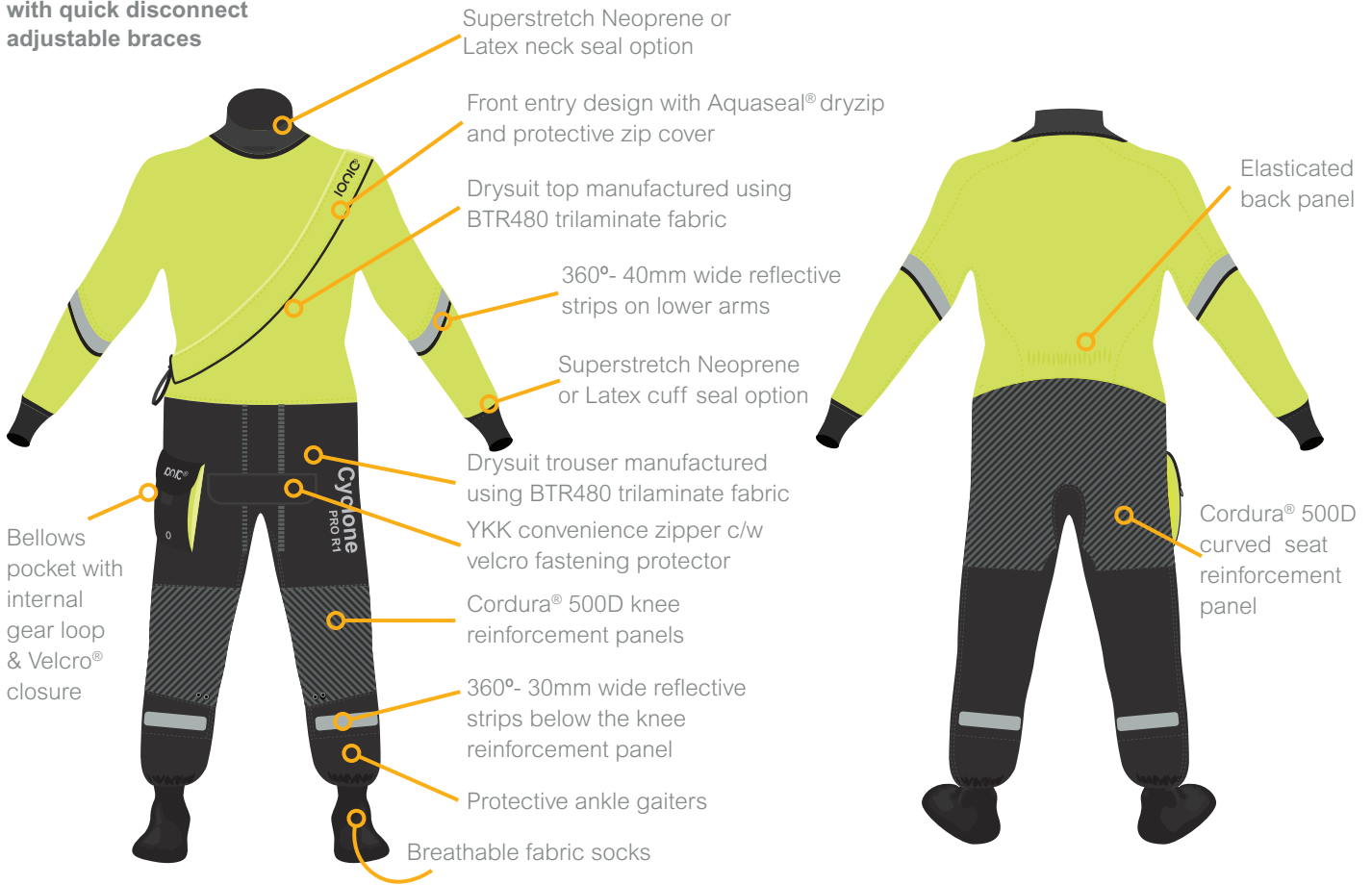
SUPERSTRETCH  
neoprene



# IONIC Cyclone PRO R1 Plus

# IONIC®

All Cyclone PRO R1 drysuits come complete with quick disconnect adjustable braces



## Innovation by Design

Picture from the UK Coastguard showing the new IONIC Pro R1 in operational duties

## Cyclone PRO Unisex Sizing Chart



Following 12 months of research into sizing profiles and common made to measure requirements, we have developed a new sizing profile for our flagship PRO R1 & PRO R3 range.

Introducing 19 standard size options we are able to accommodate personnel from 5'2" to 6'6" in height and from a 30" to 60" chest.

From sizes Large to 4XL the suits are available in 3 leg lengths ensuring the correct fit can be achieved. This semi-custom suit option reduces bulk and increases range of motion without the expensive custom price tags or long lead times.

Use the below drysuit sizing guide to determine the best size drysuit for optimum fit.

| Sizes  | UOM     | X-Small     | Small       | Medium       | Medium Large | Large Short  | Large Regular | Large Tall  | X- Large Short | X-Large Regular | X-Large Tall |
|--------|---------|-------------|-------------|--------------|--------------|--------------|---------------|-------------|----------------|-----------------|--------------|
| Height | ft./in. | 5'2" - 5'6" | 5'5" - 5'8" | 5'7" - 5'10" | 5'10" - 6'1" | 5'7" - 5'11" | 5'11" - 6'3"  | 6'2" - 6'6" | 5'7" - 5'11"   | 5'11" - 6'3"    | 6'2" - 6'6"  |
|        | cm.     | 158 - 168   | 165 - 173   | 170 - 178    | 178 - 185    | 170 - 180    | 180 - 190     | 188 - 198   | 170 - 180      | 180 - 190       | 188 - 198    |
| Weight | lbs.    | 119 - 139   | 134 - 154   | 150 - 176    | 170 - 196    | 180 - 205    | 180 - 205     | 180 - 205   | 200 - 231      | 200 - 231       | 200 - 231    |
|        | kg.     | 54 - 63     | 61 - 70     | 68 - 80      | 77 - 89      | 82 - 93      | 82 - 93       | 82 - 93     | 91 - 105       | 91 - 105        | 91 - 105     |
| Chest  | in.     | 30 - 34     | 32 - 36     | 34 - 38      | 36 - 40      | 40 - 44      | 40 - 44       | 40 - 44     | 44 - 48        | 44 - 48         | 44 - 48      |
|        | cm.     | 76 - 89     | 81 - 92     | 86 - 96      | 92 - 102     | 102 - 112    | 102 - 112     | 102 - 112   | 112 - 122      | 112 - 122       | 112 - 122    |
| Waist  | in.     | 26 - 30     | 28 - 32     | 30 - 34      | 32 - 36      | 34 - 38      | 34 - 38       | 34 - 38     | 38 - 42        | 38 - 42         | 38 - 42      |
|        | cm.     | 66 - 76     | 72 - 81     | 76 - 89      | 81 - 92      | 89 - 96      | 86 - 96       | 86 - 96     | 96 - 106       | 96 - 106        | 96 - 106     |
| Hips   | in.     | 30 - 34     | 32 - 36     | 34 - 38      | 36 - 40      | 40 - 44      | 40 - 44       | 40 - 44     | 44 - 48        | 44 - 48         | 44 - 48      |
|        | cm.     | 76 - 89     | 81 - 92     | 86 - 96      | 92 - 104     | 102 - 112    | 102 - 112     | 102 - 112   | 112 - 122      | 112 - 122       | 112 - 122    |
| Inseam | in.     | 24 - 27     | 26 - 29     | 28 - 31      | 29 - 32      | 28 - 31      | 31 - 34       | 33 - 36     | 28 - 31        | 31 - 34         | 33 - 36      |
|        | cm.     | 61 - 70     | 66 - 74     | 72 - 79      | 74 - 81      | 72 - 79      | 79 - 86       | 84 - 92     | 72 - 79        | 79 - 86         | 84 - 92      |

| Sizes  | UOM     | 2X-Large Short | 2X-Large Regular | 2X-Large Tall | 3X-Large Short | 3X-Large Regular | 3X-Large Tall | 4X-Large Short | 4X-Large Regular | 4-X-Large Tall |
|--------|---------|----------------|------------------|---------------|----------------|------------------|---------------|----------------|------------------|----------------|
| Height | ft./in. | 5'7" - 5'11"   | 5'11" - 6'3"     | 6'2" - 6'6"   | 5'7" - 5'11"   | 5'11" - 6'3"     | 6'2" - 6'6"   | 5'7" - 5'11"   | 5'11" - 6'3"     | 6'2" - 6'6"    |
|        | cm.     | 170 - 180      | 180 - 190        | 188 - 198     | 170 - 180      | 180 - 190        | 188 - 198     | 170 - 180      | 180 - 190        | 188 - 198      |
| Weight | lbs.    | 220 - 251      | 220 - 251        | 220 - 251     | 245 - 278      | 245 - 278        | 245 - 278     | 264 - 298      | 264 - 298        | 264 - 298      |
|        | kg.     | 100 - 114      | 100 - 114        | 100 - 114     | 111 - 126      | 111 - 126        | 111 - 126     | 120 - 135      | 120 - 135        | 120 - 135      |
| Chest  | in.     | 48 - 52        | 48 - 52          | 48 - 52       | 52 - 56        | 52 - 56          | 52 - 56       | 56 - 60        | 56 - 60          | 56 - 60        |
|        | cm.     | 122 - 132      | 122 - 132        | 122 - 132     | 132 - 142      | 132 - 142        | 132 - 142     | 142 - 152      | 142 - 152        | 142 - 152      |
| Waist  | in.     | 42 - 46        | 42 - 46          | 42 - 46       | 46 - 50        | 46 - 50          | 46 - 50       | 50 - 54        | 50 - 54          | 50 - 54        |
|        | cm.     | 106 - 116      | 106 - 116        | 106 - 116     | 116 - 127      | 116 - 127        | 116 - 127     | 127 - 137      | 127 - 137        | 127 - 137      |
| Hips   | in.     | 48 - 52        | 48 - 52          | 48 - 52       | 52 - 56        | 52 - 56          | 52 - 56       | 56 - 60        | 56 - 60          | 56 - 60        |
|        | cm.     | 122 - 132      | 122 - 132        | 122 - 132     | 132 - 142      | 132 - 142        | 132 - 142     | 142 - 152      | 142 - 152        | 142 - 152      |
| Inseam | in.     | 28 - 31        | 31 - 34          | 33 - 36       | 28 - 31        | 31 - 34          | 33 - 36       | 28 - 31        | 31 - 34          | 33 - 36        |
|        | cm.     | 72 - 79        | 79 - 86          | 84 - 92       | 72 - 79        | 79 - 86          | 84 - 92       | 72 - 79        | 79 - 86          | 84 - 92        |

A recent survey has been undertaken in the USA to distinguish and scientifically validate the most prominent colour for use in manufacturing products designed to be worn by Search and Rescue Personnel when viewed on the water.

This study provided a unique insight to the science of non-reflective conspicuity and the effects of colour in marine and other water environments.

### The Findings:

- Research findings show fluorescent Yellow-Green followed by fluorescent Orange were the most conspicuous colours for a floating target when compared to non-fluorescent red and non-fluorescent Yellow. This result was obtained from simulated laboratory viewings and actual on-water experiments using human subjects.
- When viewing the colours against a simulated maritime horizon using their central vision, the test subjects judged fluorescent Yellow-Green and fluorescent Orange, to be the most conspicuous colours compared to Red, and Yellow. Yellow was deemed to be the least conspicuous.
- On-water testing of the four specific fabric colours showed that for both approaching and leaving a target in low or high intensity light, fluorescent Yellow-Green was again the most conspicuous colour overall, followed by fluorescent Orange. Red was found to be the least conspicuous colour with on-water testing.
- Minimum on-water detection distances ranged from 350 metres (Red) to 1400 metres fluorescent Yellow-Green.

*Study conducted by Mustang Survival*



*Pictures from Scottish Fire & Rescue Twitter page showing the new IONIC Pro R1 in Fluorescent Yellow*



## **Specialist Rescue Equipment** by Professionals for Professionals

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